HEALTH AND HUMAN SERVICES, COLLEGE OF

Dean: Kenneth I. Millar
Associate Dean: Sue Stanley
Associate Dean for Research: Gail Farmer
Director of Development: Tyson Reyes
Administrative Services Manager: Douglass Butler
Administrative Analyst: Germain Hernandez
Facilities Coordinator: Denysia O'Connell
Director of Technology: Javier Banuelos
Director of the Academic Advising and Resource Center: Kimberly Machan
College Office: Engineering Technology Building (ET), Room 200
Telephone / FAX: (562) 985-4194 / (562) 985-7581
Website: www.csulb.edu/colleges/chhs/

Introduction

The College of Health and Human Services prepares students for careers in health, wellness, teacher preparation, and social and consumer services. Our accredited graduate and undergraduate programs offer state-of-the-art curriculum though which departments/schools provide optimal learning opportunities in the classroom, in the research laboratory, and in the community.

The College's two schools, nine departments, three programs, and twelve research centers are housed within twelve buildings on campus with state-of-the-art classrooms, laboratories, and clinics with equipment matching that of business/industry.

Programs at a Glance

Bachelor of Arts:
- Communicative Disorders
- Family and Consumer Sciences
- Kinesiology
- Recreation
- Social Work

Bachelor of Science:
- Athletic Training
- Criminal Justice
- Dietetics and Food Administration
- Health Care Administration
- Health Science
- Hospitality Foodservice and Hotel Management
- Kinesiology
- Nursing

Master of Arts:
- Communicative Disorders
- Family and Consumer Sciences
- Kinesiology

Master of Science:
- Criminal Justice
- Emergency Services Administration
- Gerontology
- Health Care Administration
- Health Science
- Kinesiology

Nursing
- Nursing / Public Health
- Nursing / Health Care Administration
- Nutritional Science
- Recreation Administration
- Master of Physical Therapy
- Master of Public Administration
- Master of Public Health: Community Health Education
- Master of Social Work
- Doctor of Physical Therapy

Certificates
- Administration of Campus Recreation and Student Service Programs
- Administration of Outdoor Recreation Resources
- Administration of Travel and Tourism
- Gerontology
- Health Care Administration
- Kinesiotherapy
- Management of Nonprofit and Volunteer Services
- Nurse Practitioner (graduate)
- Public Management Analyst (graduate)
- Public Sector Employer-Employee Relations and Personnel Management (graduate)
- Public Sector Financial Management (graduate)
- Therapeutic Recreation
- Transportation Policy and Planning (graduate)
- Urban Executive Management (graduate)
- Wilderness Studies

Credentials

Single Subject Teaching Credentials: Home Economics, Health Science, and Kinesiology/Physical Education. Consult the Single Subject Advisor as early as possible.

Services credentials are offered in Communicative Disorders (Public Education Speech-language Pathology), Nursing (Health Service School Nurse), and Social Work (Pupil Personnel – Child Welfare and Attendance).

Professional Accreditations

Programs in the College are accredited by the following state and national accrediting agencies:
- American Association of Colleges of Nursing, American Association of Family and Consumer Sciences, American Dietetic Association, American Physical Therapy Association, American Public Works Association (APWA), American Speech Language and Hearing Association, Association of University Programs in Health Administration, California Commission for Teacher Credentialing, California Council on Parks and Recreation, California State Board of Registered Nursing, California Teaching Commission, Commission on Accreditation of Allied Health Education Programs, Council on Education for Public Health, Council on Hotel, Restaurant, and Institutional Education, Council on Social Work Education, National Association for the Education of Young Children, National Association of Schools of Public Affairs and Administration (NASPAA), National Council for...
Accreditation of Teacher Education, National Recreation and Park Association Council on Accreditation, Western Institute of Nursing.

Special Interest Clubs

Archers, Army ROTC Association, Army ROTC Rangers (AROTC), California Nursing Student Association, Child and Family Associated Students (CAFAS, Family and Consumer Sciences), Criminal Justice Student Association, Fitness Club, Foodservice and Hotel Management Association (Family and Consumer Sciences), Health Care Administration Forum, Health Science Graduate Student Association, Kinesiology and Physical Education Majors Club, National Student Speech-Language-Hearing Association (Communicative Disorders), Peer Health Educators, Pershing Rifles (AROTC), Physical Therapy Student Association, Public Administration Student Association (PASA, Public Policy and Administration), Recreation and Leisure Studies Alumni Association (RALSAA), Recreation Society (Recreation and Leisure Studies), Social Dance Club, Consumer Affairs Student Association (Family and Consumer Sciences), Sports Medicine Club (Kinesiology), Student Affiliates of the American Kinesitherapy Association (Kinesiology), Student Chapter of American Association of Family and Consumer Sciences, Student Dietetic Association (Family and Consumer Sciences), Student Food Science Society (Family and Consumer Sciences), Students Active in Community Health (Family and Consumer Sciences), Students in Fashion (Family and Consumer Sciences).

Professional and Honors Organizations

Alpha Phi Sigma (Criminal Justice), American College of Healthcare Executives, California Association for Health, ETA Sigma Delta (Hospitality Foodservice and Hotel Management, Family and Consumer Sciences), ETA Sigma Gamma (Health Science), Kappa Omicron Nu (Family and Consumer Sciences), Phi Epsilon Kappa (Kinesiology), Pi Alpha Alpha (Public Policy and Administration), Recreation and Dance (CAHPERD), Sigma Phi Omega (National Academic and Professional Society in Gerontology), Sigma Theta Tau (Iota Eta Chapter, Nursing).

College and Departmental Organizations

Asian Pacific Islanders Committee (Social Work), Associated Students of Social Work, California Nursing Student Association, Dunham/Cleveland Committee (Social Work), College of Health and Human Services Student Council, Gay, Lesbian, Transsexual, Transgender Committee (Social Work), Latino Student Network Committee (Social Work), National Association of Social Work Unit, Social Work Alumni Association.

Courses (HHS)

LOWER DIVISION

100. Skills for Living (3)
Development of skills necessary for achieving success as a student in any HHS major and ultimately as a professional. Additionally, HHS 100 is intended to improve student awareness of health and human services professions, career paths and disciplines.

Letter grade only (A-F). (Lecture-discussion, 3 hours) Team taught by College of Health and Human Services Faculty.

210. Introduction to Physical Therapy (3)
Corequisite: HHS 100.
Introduction and orientation to rehabilitation with special emphasis on physical therapy. Includes essentials for choosing between rehabilitation professions and preparation for admission to a professional physical therapy educational program. Letter grade only (A-F). (Lecture/discussion 3 hours)

UPPER DIVISION

374. Professional Practice I: Professional Interactions (3)
Prerequisites: Consent of instructor
Self-awareness of how personality, learning preferences, and personal values affect professional interactions. Includes effective communication, conflict resolution, and eliciting patient values and goals. Also, communicating with patients who have experienced disability, sexual dysfunction, or issues with coping or dying. Letter grade only (A-F). Lecture/Discussion 3 hours.

401. Applied Anatomy I (3)
Prerequisite: BIOL 208 or equivalent.
Advanced study of structure and function of neuromusculoskeletal systems with emphasis on surface contour, myology and joint structure and neurovascular supply. Regional emphasis includes upper extremity head, neck and thorax. Includes dissection laboratory and provided materials. Letter grade only (A-F). (Lecture/discussion 2 hours, lab 3 hours) Course fee may be required.

402. Applied Anatomy II (3)
Prerequisites: BIOL 208 or equivalent; "B" or better in HHS 401. Continuation of HHS 401, with emphasis on normal anatomy of lower extremities, pelvis, and abdominal region. Letter grade only (A-F). (Lecture/discussion 2 hours, lab 3 hours) Course fee may be required.

403. Tissue Mechanics and Aging (3)
Prerequisites: "B" or better in HHS 401 and BIOL 341 and consent of instructor.
Advanced study of tissue (bone, muscle, dense fibrous connective tissue, cartilage, nerve) mechanics and pathomechanics including use, disuse and aging with application to joint mechanics and therapeutic procedures. Letter grade only (A-F). (Lecture/discussion 3 hours)

460. Neuroanatomy (4)
Prerequisite: BIOL 341.
Investigation of human neuroanatomy with emphasis on the structure and function of the central nervous system (CNS), cranial nerves, and their connecting neural pathways relative to human function and movement. Neuroanatomical and vascular lesions will be discussed and correlated to common clinical conditions. Emphasis is on applying neuroanatomy for differential diagnosis. Letter grade only (A-F). (Lecture/discussion 3 hours, lab 3 hours)

471. Pathology (3)
Prerequisite: BIOL 208; Corequisite: BIOL 341.
Advanced study of abnormal function as result of disease. Includes general pathology and selected pathologies encompassing cardiovascular, pulmonary, musculoskeletal, peripheral and central nervous system, and integumentary systems. Letter grade only (A-F). (Lecture/discussion 3 hours)

497. Independent Studies (1-3)
Prerequisites: Consent of instructor, and for human dissection, one general introductory anatomy course, HHS 401 and 402.
Independent projects in any area of physical therapy. Human dissection is available as a special study. Letter grade only (A-F). May be repeated to a maximum of 6 units.
CHILD DEVELOPMENT AND FAMILY STUDIES
College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs
Faculty: Maríne Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Career Possibilities
Child Care Administrator • Family Life Educator • Child Life Specialist • Teen Pregnancy Counselor • Early Care Educator (Infant and Toddler Care, Preschool Teaching, School-Age Programs) • Child Development Consultant • Community Resource and Referral Professional • Parent Educator • Corporate Human Service Consultant • Working with Military Families • Toy Research and Development • Family Life Educator

A credential or graduate degree would expand employment opportunities to include: Social Worker • Marriage and Family Counselor • Community College Instructor • Highschool Counselor • Teacher (For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Arts in Family and Consumer Sciences
This degree offers six options:
• Child Development and Family Studies
• Consumer Affairs
• Family and Consumer Sciences Education
• Family Life Education
• Fashion Merchandising
• Textiles and Clothing
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
• Nutrition and Dietetics
• Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Hospitality, Foodservice and Hotel Management
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Child Development and Family Studies
The field of Child Development and Family Studies (CDFS) strives to improve the lives of children and families. As an integrative and interdisciplinary specialization, CDFS incorporates information from a variety of disciplines to provide a comprehensive academic and professional background for working with children and families. We use primary prevention to empower individuals and families in home and community settings.

Option in Child Development and Family Studies (120 units)
Take all of the following courses:

PSY 100 General Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

CDFS 111 Preschool Child (3)
Prerequisites: None.

CDFS 211 Guiding Young Children (3)
Prerequisites: A grade of “C” or better in PSY 100 or SOC 100 or CDFS 111.

CDFS 312I Family and Personal Development (3)
Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

CDFS 411 Individual Child Study and Guidance (3)
Prerequisites: A grade of “C” or better in CDFS 311 or 314 or HDEV 307I or PSY 361; upper division standing; or consent of instructor.

CDFS 413 Child and Family in the Community (3)
Prerequisites: A grade of “C” or better in CDFS 312I; upper division standing; or consent of instructor.

FCSE 299 Intro to Family and Consumer Sciences (1)
Prerequisites: None.

FCSE 499 Professionalism and Leadership in FCS (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course work in Family and Consumer Sciences.

NUTR 132 Introductory Nutrition (3)
Prerequisites: Any GE Foundation course.

Take one of the following courses:

ANTH 120 Introduction to Cultural Anthropology (3)
Prerequisites: Any GE Foundation course.

Another approved Global Issues course (3)
Take one of the following pairs:

CDFS 214 Environments for Preschool Children (3)
Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

CDFS 414 Field Work with Preschool Children (3)
Prerequisites: A grade of "C" or better in CDFS 111, 211, 214; or consent of instructor.

or

CDFS 215 Environments for Infants and Toddlers (3)
Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

CDFS 415 Field Work with Infants/Toddlers (3)
Prerequisites: A grade of "C" or better in CDFS 111, 211, 215; or consent of instructor.

Take one of the following courses:

CDFS 311 Prenatal Development and Infancy (3)
Prerequisites: A grade of "C" or better in CDFS 111; or consent of instructor.

CDFS 314 The Older Child (3)
Prerequisites: A grade of "C" or better in CDFS 111; upper division standing; or consent of instructor.

Take one of the following courses:

CDFS 492A Internship in Child Development and Family Studies (3)
Prerequisites: A student receiving a grade lower than a "C" may proceed with enrolling in a course for which it is a prerequisite. A student must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

CDFS 414 (2nd semester) Fieldwork with Preschool Children (3)
Prerequisites: A grade of "C" or better in CDFS 111, 211, 214; or consent of instructor.

CDFS 415 (2nd semester) Fieldwork with Infants/Toddlers (3)
Prerequisites: A grade of "C" or better in CDFS 111, 211, 215; or consent of instructor.

FCSE 497 Directed Studies (3)
Prerequisites: Junior standing; consent of instructor.

Take 9 units of advisor-approved electives. Three of the 9 units must be upper division.

Take 15 units from the following with advisor’s approval:

CDFS 319I, 402, 409, 410, 412, 416A, 416B, 417, 418, 419, or CDFS courses not taken above.

Each course on the student’s program planner must be completed with a grade of "C" or higher. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with the approval of the Child Development and Family Studies Area Coordinator.

This degree option has been deemed "similar" to the Transfer Model Curriculum for Early Childhood Education under the Student Transfer Agreement Reform Act (SB 1440-Padilla). Students who complete an approved A.A.-T or A.S.-T degree in Early Childhood Education at a California Community College can meet B.A. in FCS: Option in CDFS requirements with no more than 60 additional units. Contact a CDFS faculty advisor for assistance in program planning.

**Minor in Child Development and Family Studies**

The Child Development and Family Studies (CDFS) minor offers the opportunity to take a concentration of courses focusing on children and families. By providing students with an aggregate of CDFS courses students will be better prepared careers relating to children and families in an array of settings.

**Requirements**

Students seeking a minor in CDFS must meet all prerequisite course requirements. In addition, students must maintain a "C" or better in all courses required for the minor. The minor requires 21 total units.

The minor in Child Development and Family Studies is not available to Child Development and Family Studies majors.

Take 9 units of core courses from the following courses:

- **CDFS 111 Preschool Child (3)**
  Prerequisites: None.

- **CDFS 312I Family and Personal Development (3)**
  Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

- **CDFS 319I Family Stress and Coping (3)**
  Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor.

Take 12 units selected from the following courses:

- **CDFS 211, 214, 215, 311, 314, 409, 410, 411, 412, 413, 414, 414, 415, 418.**

**Family Life Education**

This option is available in the Department of Family and Consumer Sciences. It was introduced in response to a certification process developed by the National Council on Family Relations (NCFR). NCFR is the leading national organization for professionals concerned with promoting and enhancing the quality of family life. NCFR sponsors the only national program to certify family life educators.

After completing the recommended preparatory course work in this department, it is possible to get two types of certification from NCFR:

**Provisional Certification** from the National Council on Family Relations (NCFR) is available to students who complete the approved courses that correspond to the ten substance areas from an approved program, but without the minimum two years of work experience.

**Full Certification** from the NCFR is available to students who graduate from an approved academic program and have completed at least two years of work experience as a family life educator. The work experience of the student has to be submitted, reviewed, and approved by an NCFR review committee.

Interested students should contact the Family Life Education Coordinator, Dr. Nilufer P. Medora, Family and Consumer Sciences (562) 985-4488 or at medora@csulb.edu.
Option in Family Life Education

(120 units)

This option provides an academic and professional background for work with children, adults, couples, and families. It offers an interdisciplinary foundation in several areas that influence and enhance the quality of life of children, adults, couples, and families based on education, enrichment and prevention. Fieldwork opportunities where students have direct experiences with individuals and families in the community are provided for qualified students.

Requirements

Take all of the following courses:

CDFS 111 Preschool Child (3)
Prerequisites: None.

CDFS 312I Family and Personal Development (3)
Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

CDFS 319I Family Stress and Coping (3)
Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor.

CDFS 402 Child and Family Law (3)
Prerequisites: A grade of “C” or better in CDFS 312I; upper division standing.

CDFS 410 International Families: Families in Cross-Cultural Perspectives (3)
Prerequisites: A grade of “C” or better in CDFS 312I; or consent of instructor.

CDFS 411 Individual Child Study and Guidance (3)
Prerequisites: A grade of “C” or better in CDFS 311 or 314 or HDEV 307I or PSY 361; upper division standing; or consent of instructor.

CDFS 413 Child and Family in the Community (3)
Prerequisites: A grade of “C” or better in CDFS 312I; upper division standing; or consent of instructor.

CDFS 418 Parent Education (3)
Prerequisites: Upper-division standing and at least 6 units of upper division child development and family studies or equivalent courses, or consent of instructor.

CDFS 419 Family Life Education (3)
Prerequisites: A grade of “C” or better in CDFS 413; upper division standing; or consent of instructor.

CDFS 492B Internship in Family Life Education (3)
Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Family Life Education; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Child Development and Family Studies; have completed CDFS 413 and 419 each with a grade of “C” or higher.

CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.

FCSE 299 Introduction to FCS (1)
Prerequisites: None.

FCSE 499 Professionalism and Leadership in Family and Consumer Sciences (2)
Prerequisites: FCSE 299, CAFF 321I; 12 units of upper division course work in Family and Consumer Sciences.

HSC 425I Human Sexuality and Sex Education (3)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.

NUTR 132 Introductory Nutrition (3)
Prerequisites: Any GE Foundation course.

PSY 100 General Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

Take one of the following courses:

ANTH 120 Introduction to Cultural Anthropology (3)
Prerequisites: Any GE Foundation course.

Another approved Global Issues course (3)

Take one of the following courses:

GERN 400I Perspectives on Gerontology (3)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.

HDEV 357I Approaches to Adulthood Through Aging (3)
Prerequisites: GE Foundation requirements, upper-division standing, ANTH 120 or HDEV 180 or PSY 100 or SOC 100.

Take one of the following courses:

CDFS 311 Prenatal Development and Infancy (3)
Prerequisites: A grade of “C” or better in CDFS 111, upper division standing.

CDFS 314 The Older Child (3)
Prerequisites: A grade of “C” or better in CDFS 111; upper division standing; or consent of instructor.

Take one of the following courses:

CDFS 412 Family Interaction (3)
Prerequisites: A grade of “C” or better in CDFS 312I; upper division standing; or consent of instructor.

CDFS 417 Premarital Intervention (3)
Prerequisites: A grade of “C” or better in CDFS 312I; or consent of instructor.

Take 9 units of advisor-approved electives. Three of the 9 units must be upper division.

In addition, a course in which a grade lower than “C” is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a “C”, may proceed with other courses with the approval of the Child Development and Family Studies Area Coordinator. Each course on the student's program planner must be completed with a grade of “C” or higher.

Child Development and Family Studies Courses (CDFS)

LOWER DIVISION

111. Preschool Child (3)
Behavior and development in early childhood, with emphasis on the interaction of parents, children and teachers.
(Lecture-discussion 3 hours)

211. Guiding Young Children (3)
Prerequisites: A grade of “C” or better in PSY 100 or SOC 100 or CDFS 111.
Processes, techniques, models, research, and selected issues in child guidance as applied to 3-5 year-old children in family and community settings. Development of a personal approach to guidance based on current scientific research and theory concerning child development.
(Lecture-discussion 3 hours)

214. Environments for Preschool Children (3)
Prerequisites: A grade of “C” or better in CDFS 111; or consent of instructor.
Introduction to preschool care-giving practices. Growth and development of preschool children relating to the classroom environment.

2012/2013 CSULB Catalog • Child Development and Family Studies • 255
environment. Application of theories, models, and research to current preschool classroom practices.
Letter grade only (A-F). (Lecture-discussion 3 hours)

**215. Environments for Infants and Toddlers (3)**
Prerequisites: A grade of “C” or better in CDFS 111; or consent of instructor.
Introduction to infant and toddler care-giving practices. Growth and development of children from birth through three years of age relating to the classroom environment. Application of theories, models, and research to current infant and toddler classroom practices.
Letter grade only (A-F). (Lecture-discussion 3 hours)

**219. Stress, Coping and Resiliency for the Professional Educator (3)**
Prerequisites: A grade of “C” or better in ENGL 100.
Identification of stressors which diminish the effectiveness of the learning environment for at-risk school children. Use Family Resiliency Model to examine critical family dynamics. Practical stress management for future teachers.
Letter grade only (A-F). (Lecture-discussion 3 hours)

**290. Directed Studies (1-3)**
Independent study under the direction of a faculty member. Exploration and experience in areas which are not a part of any regular course.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. (Seminar)

**UPPER DIVISION**

**311. Prenatal Development and Infancy (3)**
Prerequisites: A grade of “C” or better in CDFS 111; upper division standing.
Human development from conception through prenatal development, childbirth, the neonatal period, infancy and toddlerhood with emphasis on the various aspects of development and the environmental/social factors essential for human growth.
(Lecturer-discussion 3 hours)

**312L. Family and Personal Development (3)**
Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.
Interdisciplinary introduction to the concepts underlying contemporary American family life and the influence of social and cultural conditions on human development.
(Lecture-discussion 3 hours)

**314. The Older Child (3)**
Prerequisites: A grade of “C” or better in CDFS 111; upper division standing; or consent of instructor.
Behavior and development in middle and late childhood and adolescence, with emphasis on individual and cultural differences.
(Lecturer-discussion 3 hours)

**319L. Family Stress and Coping (3)**
Prerequisites: GE Foundation requirements; ANTH 120 or PSY 100 or SOC 100 or consent of instructor.
Examination of theories and research associated with stressors affecting family functioning throughout the lifecycle. Consideration given to both normative transitions and non-normative stressors. Emphasis on strategies to assist families to deal productively with stress and change.
(Lecture-discussion 3 hours)

**402. Child and Family Law (3)**
Prerequisites: A grade of “C” or better in CDFS 312L; upper division standing.
Establishment, conduct, and termination of marital and non-marital family relationships, including the rights and duties of the parties involved. Topics include marital disillusionment, child custody issues, property rights, domestic violence, adoption, support, genetic testing, and new trends in family law.
Letter grade only (A-F). (Lecture-discussion 3 hours)

**409. Language, Learning and the Developing Child: A Cross-Cultural Perspective (3)**
Explores the communicative-linguistic, cognitive, physical, and socio-emotional development of the child from the prenatal to adolescent period across diverse cultures with an emphasis on language acquisition and the learning process.
Letter grade only (A-F). Not open for credit to students currently enrolled in the Liberal Studies program. Same course as EDEL 429. Not open for credit to student with credit in LING 429, EDEL 429, and EDP 428.

**410. International Families: Families in Cross-Cultural Perspectives (3)**
Prerequisites: A grade of “C” or better in CDFS 312L; or consent of instructor.
Basic concepts and definitions relating cross-cultural studies will be discussed. Important family life cycle changes will be explained for major ethnic groups within the United States. Family life in selected international families will also be examined.
(Lecture-discussion 3 hours)

**411. Individual Child Study and Guidance (3)**
Prerequisites: A grade of “C” or better in CDFS 311 or 314 or HDEV 307I or PSY 361; upper division standing; or consent of instructor.
Analysis and interpretation of theory, research, trends and techniques for the study and guidance of the individual child in family and community settings.
(Lecture-activity 3 hours)

**412. Family Interaction (3)**
Prerequisites: A grade of “C” or better in CDFS 312L; upper division standing; or consent of instructor.
Dynamics of interaction and communication in interpersonal relationships throughout the family life cycle. Experience with a variety of communication skills in small group settings.
(Lecture-discussion 3 hours)

**413. Child and Family in the Community (3)**
Prerequisites: A grade of “C” or better in CDFS 312L; upper division standing; or consent of instructor.
Study of cultural varieties and the needs of the contemporary American family in an urban community; analysis of current issues and problems; identification of and experience with community resources and agencies.
(Lecture-discussion 3 hours)

**414. Fieldwork with Preschool Children (3)**
Prerequisites: A grade of “C” or better in CDFS 111, 211, 214; or consent of instructor.
Supervised teaching/learning experience with preschool children including development of skills for observation and assessment as well as curriculum planning, implementation and evaluation. May be repeated to a maximum of 6 units with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours)

**415. Fieldwork with Infants/Toddlers (3)**
Prerequisites: A grade of “C” or better in CDFS 111, 211, 215; or consent of instructor.
Supervised teaching/learning experience with preschool children including development of skills for observation and assessment as well as curriculum planning, implementation and evaluation. May be repeated to a maximum of 6 units in different semesters with assignments reflecting increasing levels of difficulty. (Lecture 1 hour, laboratory 6 hours) Letter grade only (A-F).
416A. Introduction to Administration and Supervision of Child Development Programs (3)
Prerequisites: A grade of “C” or better in CDFS 414 or 415; or consent of instructor.
Minimum and recommended standards and laws pertaining to housing, equipment, play space, adult/child ratio, health supervision and meal service for children’s programs. Selection and supervision of personnel, program planning and directing.
(Lecture-discussion 3 hours)

416B. Applications of Administration and Supervision of Child Development Programs (3)
Prerequisites: A grade of “C” or better in CDFS 416A; or consent of instructor.
Decision theory and its application, communication strategies, planning, operating and evaluating programs for young children.
(Lecture-discussion 3 hours)

417. Premarital Intervention (3)
Prerequisites: A grade of “C” or better in CDFS 312I; or consent of instructor.
Review of research on dating relationships and intervention programs designed for individuals or couples prior to marriage. Emphasis on applying research to the development of programs to assist premarital individuals enrich their relationships.
(Lecture-discussion 3 hours)

418. Parent Education (3)
Prerequisites: Upper-division standing and at least 6 units of upper division child development and family studies or equivalent courses, or consent of instructor.
Principles and techniques for working with parents in community and school programs. Assessment of needs and development of programs for adults in a variety of social and cultural settings.
(Lecture-activity 3 hours)

419. Family Life Education (3)
Prerequisites: A grade of “C” or better in CDFS 413; upper division standing; or consent of instructor.
History, purpose, principles, ethics, ten substance areas, and paradigms of family life education will be explored. Planning, implementing, and evaluating family life education programs will be discussed. Gender, ethnicity, and diversity issues related to family life education will be stressed.
Letter grade only (A-F). (Lecture-discussion 3 hours)

492A. Internship in Child Development and Family Studies (3)
Prerequisites: Student must be a Family and Consumer Sciences: Child Development and Family Studies major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Child Development and Family Studies; and CDFS 411, 413, and 414 or 415. Each prerequisite course must be completed with a grade of “C” or better. A course in which a grade lower than “C” is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a “C” may proceed with other courses with approval of the Area Coordinator.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)

492B. Internship in Family Life Education (3)
Prerequisites: Student must be a major in Family and Consumer Sciences in the option of Family Life Education; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; have approval of a faculty advisor in Child Development and Family Studies; have completed CDFS 413 and 419 each with a grade of “C” or higher.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)
Communication Disorders
College of Health and Human Services

Department Chair: Carolyn Conway Madding
Department Office: Language Arts Building (LAB), Room 102
Telephone / FAX: (562) 985-4594 / (562) 985-4584
Clinic Office: Language Arts Building (LAB) Room 112
Telephone: (562) 985-4583
Faculty: Namhee Kim, Betty McMicken, Carolyn Conway Madding, Geraldine P. Wallach, Jennifer Ostergren, Lei Sun
Advisors:
Undergraduate: Namhee Kim
Graduate: Jennifer Ostergren
Clinic Director: Geraldine P. Wallach
Technician: Rodney Pau
Department Administrator: Susan McNamara

Career Possibilities
Speech-Language Pathologist • Speech-Language Pathology Assistant • Audiologist • Vocational Rehabilitation Counselor • Supervisor of Special Education
(For more information, see www.careers.csulb.edu.)

Introduction
The Communicative Disorders Department provides undergraduate coursework for students planning careers in speech-language pathology or audiology. Departmental majors may complete work leading to the Bachelor of Arts degree in Communicative Disorders and Master of Arts degree in Communicative Disorders with a Specialization in Speech-Language Pathology. Students who earn the Master’s degree qualify for the Certificate of Clinical Competence in Speech-Language Pathology from the American Speech-Language-Hearing Association, the Speech-Language Pathology Services Credential from the California Commission for Teacher Credentialing, and the State of California Licensure in Speech-Language Pathology. Students pursuing the B.A. degree may qualify for State of California Licensure as a Speech-Language Pathology Assistant.

The department maintains a language, speech and hearing clinic to serve as a clinical and research laboratory on campus for both graduate and undergraduate students. Field placements are available in local hospitals, rehabilitation agencies, language/speech/hearing clinics, and public schools.

Prospective students must attend a group advising meeting presented monthly by the undergraduate advisor and AARC (Academic Advising and Resource Center). Once students have declared Communicative Disorders as their major, they will be required to meet with an advisor in AARC once each semester.

The Department of Communicative Disorders at CSULB is fully accredited, by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Undergraduate Programs

Bachelor of Arts in Communicative Disorders (120 units)

Admission Under Impaction
Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

Requirements

Lower Division:
Take all the following courses:

- CD 261 Anatomy and Physiology of the Speech and Hearing Mechanism (3)
  Prerequisites: None
- CD 271 Phonetics (3)
  Prerequisite: None
- PSY 210 Introductory Statistics (or equivalent) (4)
  Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.

Upper Division:
Take all the following courses:

- CD 329 Introduction to Language Acquisition (3)
  Prerequisites: CD 271. For majors only.
- CD 330 Speech and Hearing Science (3)
  Prerequisites: CD 261 and CD 271.
- CD 373 Audiology I (3)
  Prerequisites: CD 261.
- CD 431 Pediatric Audiology (3)
  Prerequisites: CD 261 and 373.
- CD 432 Audiology II (3)
  Prerequisites: CD 261 and 373.
- CD 440 Aural Rehabilitation for Hearing Impaired (3)
  Prerequisites: CD 261 and 373.
- CD 456 Speech Pathology I: Disorders of Phonology (3)
  Prerequisites: CD 261 and 271.
- CD 460 Speech and Language Assessment of Linguistically and Culturally Diverse Clients (3)
  Prerequisites: CD 271.
- CD 466 Speech Pathology II: Speech Motor Disorders (3)
  Prerequisites: CD 261, 271, and 330.
- CD 472 Alternative & Augmentative Communication (3)
  Prerequisites: CD 281 and 329.
- CD 476 Speech Pathology III: Disorders of Voice/Oro-Facial Mechanism (3)
  Prerequisites: CD 261 and 329.
- CD 477 Disorders of Swallowing (3)
  Prerequisites: CD 261.
- CD 481A Speech Pathology IV: Disorders of Language, Children (3)
  Prerequisites: CD 271 and 329.
- CD 481B Speech Pathology IV: Disorders of Language, Neuropathologies (3)
  Prerequisites: CD 261 and 329.
2. A bachelor’s degree from an accredited institution in a discipline other than Communicative Disorders. The applicant must have at least 36 units of course work in CD before enrollment in the graduate program. Students may apply to the University and department as a M.A. Preparatory Program student to complete all of the required undergraduate courses prior to applying to one of the graduate programs in Communicative Disorders.

Advancement to Candidacy
In order to be advanced to candidacy for a Master’s degree, a student must meet the following criteria:
1. enrollment in the semester or summer session in which advancement takes place;
2. satisfactory completion of C D 696 Research Methods: Applied and Basic (3) and three additional units;
3. satisfactory fulfillment of the CSULB Graduation Writing Assessment Requirement (GWAR). The GWAR must be fulfilled before the student is advanced to candidacy;
4. maintenance of a GPA of at least 3.0 in (a) all graduate work completed in Communicative Disorders, (b) all graduate work completed at CSULB, and (c) all graduate work transferred to meet graduation requirements with no grade below "C";
5. filing of the student Program for the Master of Arts Degree in Communicative Disorders after completion of items 2-5;
6. the Department's standard written program of graduate courses approved by the student's department advisor, the department graduate advisor, the department chairperson, and the College of Health and Human Services Associate Dean. (This form is known as the Advancement to Candidacy form.)

Requirements
Forty-one (41) units of course work are required:
Take all of the following courses:

- C D 661 Traumatic Brain Injury Across the Lifespan (3) Prerequisites: CD 696.
- C D 662 Seminar in School-Age Language Disorders: Grade 1 through High School (3) Prerequisites: CD 456, 481A and 696.
- C D 663 Seminar in Preschool Language Disorders: 0-5 Years (3) Prerequisites: CD 456 and 481A. Corequisite: CD 696.
- C D 665 Seminar in Language Disorders in Adults (3) Prerequisites: CD 481B, 696.
- C D 666 Seminar: Speech Motor and Swallowing Disorders (3) Prerequisites: CD 466, 696.
- C D 667 Seminar: Autism Spectrum Disorders (3) Prerequisites: None.
- C D 669A Clinical Practice: Phonological Disorders (2) Prerequisites: CD 489; Prerequisite/Corequisites: CD 663 and consent of instructor.
- C D 669B Clinical Practice: Autism Spectrum Disorders (2) Prerequisites: CD 667.
- C D 669C Clinical Practice: Language Delayed/Disordered Children (2) Prerequisites: CD 483, 489; Prerequisite/Corequisites: CD 662 and consent of instructor.
C D 669F Clinical Practice: Speech Motor Disorders (2)  
Prerequisites: CD 489; Prerequisite/Corequisites: CD 666 and consent of instructor.

C D 669J Clinical Practice: Language Disordered Adults (2)  
Prerequisites: CD 489; Prerequisite/Corequisites: CD 665 and consent of instructor.

C D 669L Clinical Practice: Linguistically Different Clients (2)  
Prerequisites: 1) Completion of all disorder-specific graduate seminars; 2) completion of a minimum of 3 core clinics (C D 669 A–J); 3) C D 483 and 489, or equivalent as approved by the instructor) and consent of instructor.

C D 696 Research Methods: Applied and Basic (3)  
Prerequisites: PSY 210 or equivalent or consent of instructor.

Take at least one of the following courses:
C D 670 Internship in Speech & Language Pathology (5)  
Prerequisites: CD 669A or C, D, F, G and J with a GPA of 3.0.
C D 686A Advanced Field Studies with Communication Handicapped (5)  
Prerequisites: Passing of CBEST, completion of CD 662, 664, 665, 666 and all but one of the following: CD 669A, 669C, 669D, 669F, 669J.

Choose one of the following options:
C D 695 Directed Readings and a 2-unit elective (C D 575 recommended)  
Prerequisites: Consent of instructor.
C D 698 Thesis  
Prerequisites: Advancement to candidacy for master's degree.

Within the context of the C D 669L clinical course, the student will complete a minimum of 25 hours of clinical experience under appropriate supervision with a client determined to be of a language or dialect different from that of the student clinician.

C D 483 and 489 and/or C D 460, or equivalent content, are prerequisite to C D 669L.

Students who are bilingual and biliterate in English and another language may be eligible for clinical practice using their non-English language, within the C D 669L program.

Regulations governing the preparation and eligibility for the administration of comprehensive examination options are available in the Department Office. Departmental regulations concerning preparation of theses are also available in the office.

Communicative Disorders Master's Preparatory Program

This is a self-support program which allows students with a B.A./B.S. in a field other than Communicative Disorders to complete the undergraduate prerequisites needed to apply to a Master’s program in Communicative Disorders. This program allows students to complete a total of 36 units in Communicative Disorders in one year, across three consecutive semesters. Upon completion of this program, students will be eligible for application to the department’s traditional or special cohort M.A. programs (or to a master’s program at another institution). Please note that students applying to other institutions for completion of a Master’s in Communicative Disorders must confirm acceptance of the prerequisites offered in this program. The department cannot guarantee that other institutions will accept these prerequisites in total.

Students admitted to this program will enroll as a cohort and complete 12 units (4 courses) per semester. Courses will be offered solely through the College of Continuing and Professional Education (CCPE) at tuition determined by CCPE. Enrollment in coursework in this program is reserved for the preparatory program students. Courses in this program will be offered in the late afternoon and/or evenings. Students interested must enroll full-time and must complete coursework as a cohort. In addition, transfer units are not accepted in lieu of completion of the 36 units required for this program. Students enrolled in this program are not eligible to enroll in courses offered in department's undergraduate or graduate programs.

This program admits students once per year. Students interested in applying to this program must:

1. Send a completed application to: The M.A. Preparatory Program Director, Department of Communicative Disorders - LAB, California State University, Long Beach, 1250 Bellflower Boulevard, Long Beach, CA, 90840. All applications must be received by the Department no later than February 15th (for enrollment in the following Fall semester). Applications received after this due date will not be accepted. GRE scores, resumes, and letters of recommendations are not required for admission to this program and will not be considered in the admission process, thus students are urged to omit them from their applications.

2. Apply directly to the University through CSU Mentor. CSU Mentor applications are processed by the University on-line at: http://www.csumentor.edu/. Original transcripts must be sent directly to the University. The Department will access these transcripts electronically for Department evaluation. All materials to the University must also be received no later than February 15th. NOTE: Admission to this program does not guarantee acceptance or give the student undue preference in acceptance to the Department's Master's Programs in Communicative Disorders. A separate application is required for enrollment as a Master's student, once prerequisites have been completed.

Credential for Service in Public Education Speech-Language Pathology Services Credential (code 912)

Candidates must:

1. Complete the master’s degree in speech-language pathology.

2. Complete the following courses:
   EDSP 350 Education of Exceptional Individuals (3)  
   Prerequisites: None.
   CD 575 Educational Topics in Speech-Language Pathology (2)  
   Prerequisites: None.
   C D 483 Assessment of Monolingual and Bilingual Clients (3)  
   Prerequisites: CD 261, 271, 329 and 330.
   C D 489 Management of Monolingual and Bilingual Clients (3)  
   Prerequisites: CD 456, 466, 476, 481A and 481B and 483. CD 456, 466, 481A and 481B may be taken concurrently.

2012/2013 CSULB Catalog • Communicative Disorders • 289
C D 686A Advanced Field Studies with Communication Handicapped (5)
(in order to complete a minimum of 100 contact hours as a Speech-Language Specialist trainee in school setting)
Prerequisites: Passing of CBEST, completion of CD 662, 664, 665, 666 and all but one of the following: CD 669A, 669C, 669D, 669F, 669J.

Communicative Disorders Courses (C D)

LOWER DIVISION

60. Selected Topics in Communicative Disorders (1)
Prerequisite: Consent of instructor.
Speech, language and hearing therapy to students enrolled in the University.
May be repeated to a maximum of 2 units. Topics announced in the Schedule of Classes.

261. Anatomy and Physiology of the Speech and Hearing Mechanism (3)
Anatomical, physiological and neurological components of the speech and hearing mechanism. Designed for students planning to enter the clinical program in communicative disorders.
Letter grade only (A-F).

271. Phonetics (3)
Phonetic basis of speech sounds and the various factors which influence pronunciation. Consideration is given to linguistic variations, regional dialects and standards.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours.)

UPPER DIVISION

329. Introduction to Language Acquisition (3)
Prerequisite: C D 271. For majors only.
Introduction to the study of the acquisition of first and second languages. Linguistic perspectives on the development of phonological, syntactic, semantic, and pragmatic aspects of language. The influence of developmental stages and social and cultural factors on the individual.
Letter grade only (A-F). Not open for credit to students with credit in LING 329.

330. Speech and Hearing Science (3)
Prerequisites: C D 261 and 271.
Course Description: Examination of the anatomical, physiological, psychological and acoustic aspects of speech. Through readings, discussions, videos, and interactive software the student is expected to become more aware and analytical of the instrumentation and scientific basis of production and perception of speech.
Letter grade only (A-F). (Lecture/discussion)

373. Audiology I (3)
Prerequisite: C D 261.
Introduction to audiology; acoustics, anatomy and physiology of the ear, pure-tone audiometry/masking, speech audiometry/masking, principles of taking a case history, and report writing.
Letter grade only (A-F).

431. Pediatric Audiology (3)
Prerequisites: C D 261 and 373.
Sources of hearing impairment (HI) in children birth through school age. Nature of HI in children and effects on communicative function. Procedures for identification (screening), assessment, and intervention (including parent counseling) for HI children.
Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

432. Audiology II (3)
Prerequisites: C D 261 and 373.
Anatomy/pathology/evaluation of the (1) outer and middle ears, (2) inner ear, (3) central auditory system, and (4) functional hearing loss, taking case history, and report writing.
Letter grade only (A-F).

440. Aural Rehabilitation for the Hearing Impaired (3)
Prerequisites: C D 261 and 373.
Nature of hearing impairment and impact on communicative function. Procedures for assessment and management of hearing loss, including amplification, counseling, and self-report scales. Focus is primarily adult clients but will include some information regarding children.
Letter grade only (A-F).

456. Speech Pathology I: Disorders of Phonology (3)
Prerequisites: C D 261, 271.
Etiology, assessment and treatment of disorders of phonology.
Letter grade only (A-F).

460. Speech and Language Assessment of Linguistically and Culturally Diverse Clients (3)
Prerequisite: C D 271.
Provides understanding of non-discriminatory assessment processes for linguistically and culturally diverse clients referred for speech-language assessment. Includes information relative to cultural differences, use of interpreters/translators, biases of assessment, and differential diagnoses, such as language disorder versus language difference.
Letter grade only (A-F).

462. Speech-Language Pathology Assistant (SLPA) Practicum (3)
Prerequisite: At least 33 units in communicative disorders completed with a grade of "B" or better.
For students interested in receiving a license to work as a SLPA. Weekly lecturers covering the laws, practices and ethics governing SLPA's and 70 hours of supervised undergraduate clinical practicum.
Letter grade only (A-F).

466. Speech Pathology II: Speech Motor Disorders (3)
Prerequisites: C D 261, 271, and 330.
Etiology, assessment, and therapy for disturbances of the speech motor system with emphasis on the neuroanatomical, neurophysiological, psychological, and linguistic variables correlated to aberrant behaviors.
Letter grade only (A-F).

472. Alternative and Augmentative Communication (3)
Prerequisites: C D 261 and 329.
An understanding of relevant topics in alternative and augmentative communication (AAC), assistive technology (AT); assessment and management of patients with severe communication impairments. Topics will include a variety of disabilities in both pediatric and adult patients, across varying communication environments.
Letter grade only (A-F).

476. Speech Pathology III: Disorders of Voice/Oro-facial Mechanism (3)
Prerequisites: C D 261 and 329.
Processes of phonation and resonance and their application to etiology, diagnosis and therapy of functional and organic voice disorders, such as those arising from laryngeal pathology, vocal abuse, neurological impairment, auditory impairment and oro-facial abnormalities.
Letter grade only (A-F).
477. Disorders of Swallowing (3)
Prerequisite: CD 261.
Anatomy, physiology, and neuroanatomy of normal swallowing. Neurological and oncologic disorders which affect the swallow process. Evaluation of the patient with dysphagia will include clinical and instrumental analysis. Treatment plans based on history and evaluative results will be designed and examined. Letter grade only (A-F).

481A. Speech Pathology IV: Disorders of Language (3)
Prerequisites: CD 271 and 329.
An analysis of the components of language and how each is involved with language disorders in children. Provide for the understanding and recognition of variables for the assessment and clinical management of such children.
Letter grade only (A-F).

481B. Speech Pathology IV: Disorders of Language Neuropathologies (3)
Prerequisites: CD 261 and 329.
Neuropsychological and neurolinguistic basis for language and speech disorders associated with central nervous system pathologies. Provides for the recognition and understanding of variables for the assessment and clinical management of such disorders.
Letter grade only (A-F).

483. Assessment of Monolingual and Bilingual Clients (3)
Prerequisites: CD 261, 271, 329, and 330.
Principles underlying assessment procedures in speech language disorders for both monolingual and bilingual clients. Focus is on the cultural and linguistic variables affecting standardized and non-standardized assessment procedures.
Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

489. Management of Monolingual and Bilingual Clients (3)
Prerequisites: CD 456, 466, 476, 481A, 481B, and 483. CD 456, 466, 481A, and 481B may be taken concurrently.
Management of speech and language disorders for monolingual, bilingual, and/or bicultural clients. Relationship of assessment to management, formulation of goals, objectives, task analyses and maintenance. 25 hours observation in schools, campus clinic, and hospital/rehabilitation settings.
Letter grade only (A-F). (Discussion 2 hours, laboratory 3 hours)

491. Proctoring in Communicative Disorders (2-3)
Students shall engage in peer teaching and examination scoring in undergraduate courses under the specific direction of the course instructor.
Open only to students who have achieved the grade of “A” in the course in which they are serving as proctor. May be repeated to a maximum of 6 units.

499. Directed Studies in Communicative Disorders (1-3)
Prerequisite: Consent of instructor.
Independent study under supervision of a faculty member. May be repeated to a maximum of 6 units. Not acceptable for graduate credit toward the master’s degree.

GRADUATE LEVEL

575. Educational Topics in Speech-Language Pathology (2)
Review current issues, legislation and the role of SLPs in public school settings, including service delivery, school reform, accountability, and eligibility criteria. Special consideration given to collaboration and the use of content standards in goal setting and curriculum intervention.
Letter grade only (A-F).

590. Selected Topics in Communicative Disorders (1-3)
Topics from the most recent developments and issues in speech-language pathology and audiology. May be repeated to a maximum of 3 units with different topics. Topics announced in the Schedule of Classes.

661. Traumatic Brain Injury Across the Lifespan (3)
Prerequisite: CD 696.
Neuropsychological basis for cognitive and communicative impairments associated with traumatic brain injury (TBI). Addresses rehabilitation research specific to TBI in children and adults.
Letter grade only (A-F).

662. Seminar in School-Age Language Disorders: Grade 1 through High School (3)
Prerequisites: CD 456, 481A and 696.
Selected problems in voice disorders through an investigation of the literature and clinical research.
Letter grade only (A-F).

664. Seminar in Disorders of Voice and the Oro-facial Mechanism (3)
Prerequisites: CD 476, 696.
Components of communication, language, speech and pre- and emergent literacy are examined in children and adolescents with diverse, academically-based language learning disabilities. Major approaches to literacy and curricular-based intervention explored.
Letter grade only (A-F).

665. Seminar in Language Disorders in Adults (3)
Prerequisites: CD 481B, 696.
Provides an understanding of neuropathological substrates of language disorders in adults resulting from brain damage. Provides for the recognition and assessment of the syndromology and clinical aspects of adult language disorders relative to current research.
Letter grade only (A-F).

666. Seminar in Speech Motor and Swallowing Disorders (3)
Prerequisites: CD 466, 696.
Historical and current research and its effect upon the assessment and management of speech motor and swallowing disorders.
Letter grade only (A-F).

667. Seminar in Autism Spectrum Disorders (3)
Historical perspectives, assessment procedures, intervention approaches, and parent training programs for management of clients diagnosed with Autism Spectrum Disorders.
Letter grade only (A-F).

669A. Clinical Practice in Phonological Disorders (2)
Prerequisites: CD 489; Prerequisite/Corequisites: CD 663 and consent of instructor.
Student conducts assessment of phonological disorders and management of therapy, under supervision, with clients in the university speech and hearing clinic. Students handle all aspects of clinical program including initial interviews, parent counseling, and testing.
Letter grade only (A-F).

2012/2013 CSULB Catalog • Communicative Disorders • 291
669B. Clinical Practice – Autism Spectrum Disorders (2)
Prerequisite: C D 667.
Provides students with the opportunity to gain hands-on experience in assessing and managing clients diagnosed with Autism Spectrum Disorders.
Letter grade only (A-F). (2 hrs lecture, 2 hrs clinic)

669C. Clinical Practice With Language Delayed/Disordered Children (2)
Prerequisites: C D 483, 489; Prerequisite/Corequisites: C D 662 and consent of instructor.
Students provide assessment and management of preschool and school-age children with identified delays/disorders. Under supervision, the practicum includes standardized and non-standardized assessment, parent interviews and conferences, development and implementation of a management program and report writing.
Letter grade only (A-F).

669D. Clinical Practice with Voice and Oro-facial Mechanism Disorders (2)
Prerequisites: C D 489; Prerequisite/Corequisites: C D 664 and consent of instructor.
Student conducts therapy sessions under supervision for persons with functional and/or organic voice disorders. Practicum includes initial interviews, diagnostics, therapy program planning, counseling and report writing.
Letter grade only (A-F).

669F. Clinical Practice with Speech Motor Disorders (2)
Prerequisites: C D 489; Prerequisite/Corequisites: C D 666 and consent of instructor.
Assessment planning and management in a supervised clinical experience with persons who have speech motor disorders.
Letter grade only (A-F). (2 hrs lecture, 2 hrs clinic)

669H. Clinical Practice-Special Programs (2)
Prerequisites: At least one of the C D 669A through J courses.
Specialized practice placement to obtain experience with speech, language, and hearing disorders.
May be repeated to a maximum of 4 units. Letter grade only (A-F).

669J. Clinical Practice with Language Disordered Adults (2)
Prerequisites: C D 489; Prerequisite/Corequisites: C D 665 and consent of instructor.
Student conducts clinical management sessions, under supervision, for adults with neurological language disorders.
PRACTICUM includes initial interviews, assessment, management program planning, counseling and report writing, and application of research findings to the clinical process.
Letter grade only (A-F).

669L. Clinical Practice with Linguistically Different Clients (2) F, S
Prerequisites: 1) Completion of all disorder-specific graduate seminars; 2) completion of a minimum of 3 core clinics (C D 669 A-J); 3) C D 483 and 489, or equivalent as approved by the instructor) and consent of instructor.
Assessment/management of speech-language disorders in clients whose native language is different than that of the clinician.
Training of bilingual interpreters.
Minimum 25 clock hours required. Letter grade only (A-F).

670. Internship in Speech and Language Pathology (5)
Prerequisites: C D 669A or C,D,F,G, and J with a GPA of 3.0.
Advanced clinical supervised practice with speech and language disordered persons in either a hospital, rehabilitation agency or speech and language center.
Letter grade only (A-F).
CONSUMER AFFAIRS
College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs
Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Career Possibilities
Consumer Advocates on Television and Radio Stations
• Litigation Consumer Specialist • Product Safety Advocate • Credit Counselor • Food and Drug Consumer Specialist • Federal Trade Consumer Specialist • Community Consumer Educator • Consumer Affairs Teacher • Financial Advisor • Financial Counselor • Product Safety and Health Care Consultants • Customer Service Representative • Housing Counselor • Homeless Coordinator • Property Manager (Some of these, and other careers, require additional education or experience. For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Arts in Family and Consumer Sciences
This degree offers six options:
• Child Development and Family Studies
• Consumer Affairs
• Family and Consumer Sciences Education
• Family Life Education
• Fashion Merchandising
• Textiles and Clothing
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
• Nutrition and Dietetics
• Food Science
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Hospitality, Foodservice and Hotel Management
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Consumer Affairs
This program focuses on how businesses, government agencies, and community organizations interact with families and consumers.

Option in Consumer Affairs (120 units)
Take all of the following courses:
- CAFF 223 Personal and Family Financial Management (3)
- CAFF 226 Consumer Life Skills (3)
- CAFF 228 Housing in Global Perspective (3)
- CAFF 321I Family and Consumer Resource Management (3)
- CAFF 322 Family Housing & Urban Community (3)
- CAFF 420 Personal Finance for the Aging (3)
- CAFF 422 Housing Policies: Public and Private (3)
- CAFF 425 Personal Financial Planning Analysis (3)
- CAFF 426 Family Financial Problems (3)
- CAFF 427 Consumer Dynamics (3)
- CAFF 429 Consumer Protection (3)
- FCSE 299 Intro to Family and Consumer Sciences (1)
- FCSE 486 Instructional Strategies for Family and Consumer Sciences Professionals (3)
- FCSE 499 Professionalism and Leadership in FCS (2)
- PSY 100 General Psychology (3)
Take one of the following courses:
- ECON 101 Principles of Microeconomics (3)
- ECON 300 Fundamentals of Economics (3)

2012/2013 CSULB Catalog • Consumer Affairs • 313
Take one of the following courses:
ENGL 101 Composition (3)
  Prerequisites: ENGL 100.
ENGL 317 Technical Communication (3)
  Prerequisites: GE Foundation requirements, upper-division standing, and a previous composition course, i.e., ENGL 100, 101, 102, 300 or equivalents.
ENGL 417 Proposal Writing (3)
  Prerequisites: GE Foundation requirements.
ENGL 418 Manual Writing (3)
  Prerequisites: GE Foundation requirements.
ENGL 419 Writing in Science, Social Science, and Technology (3)
  Prerequisites: GE Foundation requirements.

Take one of the following courses:
C/LA 250 Elementary Statistics (4)
  Prerequisites: Knowledge of mathematical procedures usually covered in elementary high school algebra.
SOC 250 Elementary Statistics (4)
  Prerequisites: Knowledge of mathematical procedures usually covered in elementary high school algebra as demonstrated on a screening examination.

Take one course from the following:
CAFF 492C Internship in Consumer Affairs (3)
  Prerequisites: Senior standing; a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Consumer Affairs; and CAFF 226, 321I, 422, 425, 429, or consent of instructor. Each prerequisite course must be completed with a grade of "C" or better.
FCSE 497 Directed Studies (3)
  Prerequisites: Upper division standing, consent of instructor.

Take 9 units of advisor approved electives.
Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Consumer Affairs Area Coordinator.

**Minor in Consumer Affairs**

Eighteen units as approved by a Consumer Affairs faculty advisor. The Minor in Consumer Affairs is available to any non-Consumer Affairs major.

Take all of the following courses:
CAFF 223 Personal & Family Financial Management (3)
  Prerequisites: GE Foundation requirements.
CAFF 226 Consumer Life Skills (3)
  Prerequisites: GE Foundation requirements.
CAFF 322 Family Housing & the Urban Community (3)
  Prerequisites: Upper-division standing.

Take 9 units from the following courses:
CAFF 420, 422, 425, 426, 427, and 429.

**Consumer Affairs Courses (CAFF)**

**LOWER DIVISION**

**223. Personal and Family Financial Management (3)**
  Prerequisite: GE Foundation requirements.
  A functional approach to personal finance including budget systems, consumer credit, insurance, debt collection system, status obligation, accumulating reserves. Applicable for personal and professional use.
  (Lecture-discussion 3 hours)

**226. Consumer Life Skills (3)**
  Prerequisite: GE Foundation requirements.
  Consumer life skills with an emphasis on practical applications in the marketplace. Includes the history of the consumer movement, consumer rights and responsibilities, financial wellness, consumer debt, consumer behavior, fraud, and consumer redress.
  (Lecture-discussion 3 hours)

**228. Housing in Global Perspective (3)**
  Prerequisites: GE Foundation requirements.
  Family housing options and choices in urban and rural areas throughout the world viewed within the context of history, politics, culture, art, environment, geography, technology and economics.
  (Lecture-discussion, 3 hours)

**UPPER DIVISION**

**309I. The Consumer in the Legal and Economic Environment (3)**
  Prerequisites: GE Foundation requirements; completion of one or more Exploration courses; upper division standing.
  Incorporates an integrated coverage of the economic, legal, ethical and regulatory environment of consumers in avoiding and resolving disputes regarding fraudulent transactions, financial matters, personal and real property contracts, torts, credit and investment issues, and family relationships. Team taught.
  (Lecture-discussion 3 hours) Same course as FIN 309I and BLAW 309I. Not open for credit to students with credit in FIN 309I or BLAW 309I.

**321I. Family and Consumer Resource Management (3)**
  Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.
  Basic management principles applied to personal and family settings. Examines role of values, goal formation, decision-making, planning, implementing, and evaluation of managerial behavior in diverse family and cultural settings.
  Letter grade only (A-F). (Lecture-discussion 3 hours)

**322. Family Housing and the Urban Community (3)**
  Prerequisites: Upper-division standing.
  Critical analysis of family housing in urban community including aspects of shelter, city and service providers. Sociological, psychological, legislative, economic and technical factors investigated. Special attention given to families of various structures and socioeconomic background.
  (Discussion 3 hours)
388I. Technological Literacy (3)
Prerequisites: GE Foundation requirements, upper division standing, ENGL 100.
Exploration of technological concepts and their impact on individuals, society and culture. Technology as a human adaptive system and its relationship to sociological and ideological systems.
Letter grade only (A-F). (Discussion 3 hours.)

420. Personal Finance for the Aging (3)
Prerequisites: 400-level course in Consumer Affairs or consent of instructor.
Personal finance as applied to the aging population.
Same course as GERN 420. Not open for credit to students with credit in GERN 420. (Lecture-discussion 3 hrs)

422. Housing Policies: Public and Private (3)
Prerequisites: CAFF 322, upper division standing or consent of instructor.
Federal, state, and local policies, programs and legislation concerning housing and urban development. Analysis of the housing industry and its influence on the consumer market.
Letter grade only (A-F). (Discussion 3 hours)

425. Personal Financial Planning Analysis (3)
Prerequisite: CAFF 223 or consent of instructor.
Analysis and protection of personal and family resources; planning and forecasting goals; development of financial strategies utilizing insurance, investment, tax management, pensions, wills and trusts.
(Lecture-discussion 3 hours)

426. Family Financial Problems (3)
Prerequisite: CAFF 223 or consent of instructor.
Theory and practice in the diagnosis of family financial crises; selecting alternative solutions; constructing practical methods for the prevention of family financial problems.
(Discussion 2 hours, laboratory 3 hours)

427. Consumer Dynamics (3)
Examination and analysis of consumer motivation, demand, and behavior. Individual, family, and household dynamics that influence decision making.
Letter grade only (A-F).

429. Consumer Protection (3)
Prerequisites: Upper Division course in consumer affairs or consent of instructor.
Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems.
(Seminar 3 hours)

492C. Internship in Consumer Affairs (3)
Prerequisites: Student must be a Family and Consumer Sciences: Consumer Affairs major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Consumer Affairs; and CAFF 226, 321I, 422, 425, 429, or consent of instructor. Each prerequisite course must be completed with a grade of “C” or better. A course in which a grade lower than “C” is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a “C” may proceed with other courses with approval of the Area Coordinator.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)
Department Chair: Henry F. Fradella
Department Office: Engineering Technology (ET) Room 232
Telephone: (562) 985-4738
Faculty: Alice Choi, Ryan G. Fischer, Henry F. Fradella, Judy Hails, Connie Ireland, Aili Malm, Harvey N. Morley, Dina Perrone, Robert Schug, Tracy Tolbert, Brenda Vogel, John Wang
Undergraduate Advisor: Aili Malm
Graduate Advisor: Connie Ireland
Internship Coordinator: Daryl Meeks
Office Manager: Durrell Dew

CAREER OPTIONS

Police Officer • Probation Officer • Claims Representative • Private Investigator • Customs Agent • Special Agent FBI • Health & Safety Inspector • Criminologist • Game Warden • Park Ranger • Alcohol-Tobacco-Firearms Agent • Correctional Officer • Paralegal • Immigration Inspector • Intelligence Analyst-CIA • Parole Officer • Teacher • Prison Administrator • Lawyer • Credit Investigator • Border Patrol Agent (Some of these careers require additional education or experience.) Various entry-level trainee positions in business and industry are available for graduates regardless of academic discipline.

Introduction

The department works collaboratively to investigate, understand, and solve social problems related to crime through the interdisciplinary and comparative study of crime and criminal behavior, as well as the policies and systems designed to control criminality. Graduates are well-prepared to become agents of positive change in the justice system through evaluation, research, ethical practice, and dedicated service. Graduates are also prepared to pursue advanced degrees in criminology/criminal justice, law, public affairs, and related graduate fields.

UNDERGRADUATE PROGRAMS

Bachelor of Science in Criminal Justice (120 units)

This program is designed to accommodate the needs of new college students, continuing students, transferring students, and experienced criminal justice practitioner. We offer sufficient courses in the evenings for students to graduate with this degree without taking daytime classes.

Students intending to transfer from community colleges to this University are advised to complete general education requirements while attending the community college. Courses equivalent to CRJU 101 and lower-division cognate courses (SOC 100, PSY 100, POSC 100 and PHIL 170), should be taken while attending community college. Other criminal justice courses taken at community colleges will be accepted as lower-division electives provided the college where they were taken designated them as transferable to CSU. These courses cannot be substituted for upper-division criminal justice courses.

Admission Under Impaction

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

Requirements

1. Major Courses: Take 48 units of criminal justice as follows:
   A. Take 36 units of the following core courses:
      CRJU 101 The Criminal Justice System in Society (3)  Prerequisites/Corequisites: One GE Foundation course.
      CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)  Prerequisites/Corequisites: ENGL 100.
      CRJU 301 Criminal Courts and Judicial Processes (3)  Prerequisites/Corequisites: CRJU 101 and 110 (may be taken concurrently).
      CRJU 302 Policing (3)  Prerequisites: CRJU 101 and 110 (may be taken concurrently.)
      CRJU 303 Corrections: Theory, Policy, Practice (3)  Prerequisites: CRJU 101 and 110 (may be taken concurrently).
      CRJU 304 Criminological Theory (4)  Prerequisites: CRJU 101 and 110.
      CRJU 320 Criminal Justice Research Methods (4)  Prerequisites: CRJU 101, 110 and 304 (may be taken concurrently).
      CRJU 325 Statistics for Criminal Justice (4)  Prerequisites: CRJU 101, 110 and 320.
      CRJU 330 Criminal Justice Ethics, Values and Diversity (3)  Prerequisites: CRJU 302 and 303.
      CRJU 340 Substantive Criminal Law (3)  Prerequisites: CRJU 101, 110, and 301.
      CRJU 350 Constitutional Criminal Procedure (3)  Prerequisites: CRJU 101, 110, and 301.
   B. Take 3 units of the following restricted options courses:
      CRJU 401 Internal Peace Officer (3)
      CRJU 402 Criminal Justice Internship (3)
      CRJU 403 Gender and Crime (3)
      CRJU 404 Legal Research and Writing (3)
      CRJU 405 Criminal Law (3)
   C. Take 3 units of any upper-division elective criminal justice course (i.e., course not in core or restricted options), or
      EMER 405 Campus and Community Volunteer Emergency Response (3)  Prerequisites: None.
   D. Take at least 6 units of a Senior Integrative Experience in one of the following four ways (note that option 4 requires permission from a sponsoring faculty member):
      1. CRJU 492 Internship (6); or
      2. CRJU 497 Independent Study/Directed Research (3) and any 400-level CRJU elective; or

2012/2013 CSULB Catalog • Criminal Justice • 319
3. Any 400-level CRJU elective (3) and any one of the following experiential learning courses: CRJU 405, 423, 430, 440, 441, 470, or any upper-division CRJU travel-study course; or
4. CRJU 497 Independent Study/Directed Research (3) and CRJU 498 Thesis (3)

Courses taken to fulfill options 2 and 3 may not be used to satisfy either the restricted option or in-major elective requirements of the criminal justice major.

Each core or restricted option courses on the student's program planner must be completed with a grade of "C" or better. In addition, a course which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of department advisor or chair.

2. Cognate Courses: Take 6 courses in related disciplines (these satisfy CSULB General Education requirements) from the following:
   - PHIL 170 Critical Reasoning (3)
     Prerequisites/Corequisites: GE Foundation requirements
     Category A.1 (Written English).
   - POSC 100 Introduction to American Government (3)
     Prerequisites/Corequisites: GE A1 requirement.
   - PSY 100 General Psychology (3)
     Prerequisites/Corequisites: GE A1 requirement.
   - PSY 370 Abnormal Psychology (3)
     Prerequisites: PSY 100, GE Foundation requirement and upper division standing.
   - SOC 100 Principles of Sociology (3)
     Prerequisites/Corequisites: GE A1 requirement.
   - and any one of the following:
     - CDFS 319I, CLSC 410I, GEOG 301I, PHIL 352I, PHIL 451I, PSY 350I, RGR 400I, SOC 335I.

**Minor in Criminal Justice**

**Requirements**

The minor requires a minimum of 22 units as follows:

1. Take 19 units of the following core courses:
   - CRJU 101 The Criminal Justice System in Society (3)
     Prerequisites/Corequisites: One GE Foundation course.
   - CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)
     Prerequisites/Corequisites: ENGL 100.
   - CRJU 301 Criminal Courts and Judicial Processes (3)
     Prerequisites/Corequisites: CRJU 101 and 110 (may be taken concurrently).
   - CRJU 302 Policing (3)
     Prerequisites: CRJU 101 and 110 (may be taken concurrently).
   - CRJU 303 Corrections: Theory, Policy, Practice Corrections (3)
     Prerequisites: CRJU 101 and 110 (may be taken concurrently).
   - CRJU 304 Criminological Theory (4)
     Prerequisites: CRJU 101 and 110.

2. Take 3 units of one of the following:
   - CRJU 340 Substantive Criminal Law (3)
     Prerequisites: CRJU 101, 110, and 301.
   - CRJU 350 Constitutional Criminal Procedure (3)
     Prerequisites: CRJU 101, 110, and 301.

All courses in the criminal justice minor must be taken for a letter grade only (A-F) and must be successfully completed with a grade of "C" or higher. CRJU 101 and CRJU 110 are prerequisites for all core courses at the 300-level. All 300-level courses must be taken in residence at CSULB and, therefore, may not be transferred in from other colleges or universities.

**Admission to the Minor**

The minor in criminal justice is available to any non-criminal justice major. Students who would like to declare and/or change to criminal justice as their minor must have an overall G.P.A. of 2.0 and be enrolled in or have completed CRJU 101 or an equivalent course at another college or university. Alternative admission requirements may apply during times when the department is impacted.

**Minor in Forensic Studies**

This minor provides students with an understanding of the nature of criminal evidence and an appreciation of how forensic investigative methods are used in quest for justice. It is particularly useful for students majoring in engineering, the natural sciences, the social sciences, art, and various human services disciplines. The minor may be combined any major at CSULB, although criminal justice majors may not “double count” CRJU 230, 412, 430, 440, 441, 442, 443, 490, or 492 for credit towards their major elective courses and the minor in forensic studies.

**Requirements**

The minor in forensic studies requires completion of a minimum of twenty-seven (27) units as follows:

1. Completion of six (6) units of the following required prerequisite courses with grades of “C” or higher:
   - CRJU 101 The Criminal Justice System in Society (3)
     Prerequisites/Corequisites: One GE Foundation course.
   - CRJU 110 Introduction to Justice Research, Writing, and Reasoning (3)
     Prerequisites/Corequisites: ENGL 100.

2. Completion of fifteen (15) units of the following required core classes:
   - CRJU 230 Survey of the Forensic Sciences (3)
     Prerequisites: None.
   - CRJU 301 Criminal Courts and Judicial Processes (3)
     Prerequisites/Corequisites: CRJU 101 and 110 (may be taken concurrently).
   - CRJU 350 Constitutional Criminal Procedure (3)
     Prerequisites: CRJU 101, 110, and 301.
   - CRJU 412 Criminal Investigation (3)
     Prerequisites: CRJU 101, 110, and 302.
   - CRJU 440 Criminalistics: Forensic Science in the Crime Laboratory (3)
     Prerequisites: CRJU 230 or consent of instructor.

3. Completion of six (6) units of forensic electives from the following options: CRJU 430, 441, 442, 443, 490, 492 or any approved applied forensics courses offered in a related discipline.

Each course in the minor must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite.
Students who would like to declare the minor in forensic studies must have completed the two prerequisite courses (CRJU 100, 110) and have an overall G.P.A. of 2.5. Alternative admission requirements may apply during times when the department is impacted.

GRADUATE PROGRAMS

Master of Science in Criminal Justice

Graduate study in criminal justice provides the requisite knowledge and opportunity for individuals to (1) be competitive for administrative positions in the courts, corrections, law enforcement, security, probation and parole; (2) fill research positions in criminal justice agencies; (3) pursue advanced degrees (J.D. or Ph.D.); and (4) fill community college teaching positions in criminal justice.

The Master of Science degree in criminal justice will expand and increase individual competency, develop and mature thought processes, aid in gaining insights into professional leadership and knowledge, permit an exchange between students and faculty, and further the spirit of research and scholarship to enhance professional and personal development.

Admission

Students seeking admission to the Department of Criminal Justice Graduate Program should have an undergraduate degree and a desire for graduate study. Applicants must apply for admission to the Criminal Justice Department in addition to being admitted by Enrollment Services. Students must be accepted for admission by the Department before their program for a master's degree can be formulated. Students are not allowed to take graduate course work in criminal justice before being accepted to the program. The following items must be submitted:

1. Two copies of the CSULB graduate application. The original must be sent to Enrollment Services and a copy must be sent to the Department of Criminal Justice.
2. Official test scores on the Graduate Record Exam (GRE) General Test. While no specific cut-off scores are required on either the verbal or the quantitative sections, applicants must score a “4” or higher on the analytic writing section of the GRE.
3. Official transcripts of all undergraduate course work, including work done at all community colleges attended. Each applicant must request that official transcripts be sent to both the Graduate Advisor in the Criminal Justice Department and Enrollment Services.
4. Three letters of recommendation from persons able to testify to the student’s academic ability, preferably from former professors. These letters must be sent to the Department of Criminal Justice Graduate Advisor.
5. A résumé sent directly to the Department of Criminal Justice Graduate Advisor that describes the applicant’s academic achievements (including honors and awards), extracurricular activities, as well as relevant work, internship, and volunteer experiences.
6. A typewritten letter of intent (between 750 and 1,250 words) sent directly to the Department of Criminal Justice Graduate Advisor. This essay should address: (a) what motivates the applicant to apply for a graduate degree; (b) what relevant research and practical experiences qualify the applicant for admission; (c) what the applicant’s specific areas of interests in criminal justice practice, policy, and/or research are; (d) with whom on the faculty the applicant would like to work and why; and (e) what the applicant’s personal goals and objectives are for earning a master’s degree in criminal justice at CSULB.

Prerequisites

1. A bachelor’s degree from a regionally accredited university with a major or minor in criminal justice or a related discipline. The acceptability of other undergraduate preparation shall be determined by the Department Graduate Committee;
2. A student must have an overall undergraduate average (GPA) and average in their major of 3.0 or better. A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential either through recent academic performance and/or experiential background, may be admitted by special action of the Department’s Graduate Committee.

Advancement to Candidacy

1. Students must satisfy the general University requirements for advancement to candidacy, as specified in this catalogue.
2. Before advancing to candidacy, students must successfully complete 15 graduate units within the core (CRJU 501, 504, 520, 525, and 530) with a minimum grade of "B" in each of the courses.
3. Before advancing to candidacy, students must have fulfilled the Graduation Writing Assessment Requirement (GWAR) and have successfully passed the departmental qualifying examination.
4. Each student’s graduate program must be approved by the Department Graduate Advisor, the Department Chair, and the Associate Dean of the College of Health and Human Services.

Requirements

1. Take 18 units of the following core courses:
   - CRJU 501 Proseminar and Professional Writing in Criminology and Criminal Justice (3)
     Prerequisites: CRJU 504. Restricted to Criminal Justice master's students; all other students must have consent from Graduate Advisor.
   - CRJU 504 Criminological Theory (3)
     Prerequisites: Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.
   - CRJU 520 Adv Criminal Justice Research Methods (3)
     Prerequisites: CRJU 320 and 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.
   - CRJU 525 Advanced Statistics for Criminal Justice (3)
     Prerequisites: CRJU 320 and 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

2012/2013 CSULB Catalog • Criminal Justice • 321
CRJU 530 Criminal Justice Ethics, Values & Diversity (3)
Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor.

CRJU 535 Criminal Justice Policy (3)
Prerequisites: CRJU 504, 520, and 525.

2. Successful passage of the departmental qualifying examination testing graduate-level competency in statistics, research methods, and criminological theory.

3. Take 18 additional graduate units in one of two ways:

A. Thesis Option:
   - Take 12 units of advisor-approved electives and the following courses:
     CRJU 694 Thesis I (3)
     Prerequisites: Advancement to candidacy as a Criminal Justice master's student.
     CRJU 698 Thesis II (3)
     Prerequisites: CRJU 694.

B. Comprehensive Examination Option:
   - Take 18 units of advisor-approved electives and successful completion of the comprehensive master's essay examination in either policing, corrections, law and social control, or other authorized subject area.
   - Note: Masters students who were admitted under a prior catalog need to complete the course requirements specified in the catalog in effect at the time they advance to candidacy. All graduate students have the option of taking comprehensive examinations even if such exams were not listed as an option in the catalog at the time the student matriculated.

   In addition to the core classes, take 12 units of electives selected in consultation with graduate advisor. A maximum of 6 units may be taken from 300 or 400-level courses in Criminal Justice. Up to 6 units of graduate work may be transferred from another accredited university or another department in CSULB. Transfer credit must be a “B” or better. All students must earn a grade of “A” or “B” for each required course. Students may not have more than 6 units of “C” grades apply toward the master’s degree. Advancement to candidacy is necessary before Thesis I, Thesis II, or comprehensive exams can be taken.

Thesis

The thesis is a supervised experience in the application of theory and analytical tools to an issue in criminology or criminal justice. The thesis should prepare students for further graduate work or research in the field. The project should provide an experience that is directly applicable to an occupation in the criminal justice field.

The thesis is a written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendations. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. The coursework is supervised by a committee of three, including the Thesis Chair, who must be a full-time tenure-track or tenured faculty member in the Criminal Justice Department and two other faculty members.

Criminal Justice Courses (CRJU)

LOWER DIVISION

101. The Criminal Justice System in Society (3)
Prerequisites/Corequisites: One GE Foundation course.
Introduction to the study of criminal justice in American society.
Focuses on the history, philosophy, functions, roles, policies, practices, and ethics of the institutions of social control within the criminal justice system, especially police, courts, and correctional personnel.
Letter grade only (A-F). Not open for credit to students with credit in CRIM 101.

110. Introduction to Justice Research, Writing, and Reasoning (3)
Prerequisites/Corequisites: ENGL 100.
Develops the skills needed to conduct and properly cite library and electronic research for social scientific and legal sources; and use them to make persuasive oral presentations and write papers, case briefs, and reports commonly used in the justice professions.
Letter grade only (A-F).

210. Gangs: Structure, Activities, and Responses (3)
An interdisciplinary examination of the factors that contribute to gang formation and membership; the structure and function of gangs; gang activities (including crime); and the various policy and programmatic responses to gangs.
Letter grade only (A-F).

220. Terrorism and the Criminal Justice System (3)
A video and text-based exploration of the origins and reasons for terrorist activity and their effect on select criminal justice agencies in the U.S. and around the world.
Letter grade only (A-F).

230. Survey of the Forensic Sciences (3)
The application of scientific principles to criminal investigations and trials, focusing on crime scene analysis and recording; analytical methods of criminalistics; significance of results; and the specialized roles of criminalists and forensic biology, chemistry, ballistics, medicine, dentistry, anthropology, and psychology.

290. Selected Topics in Criminal Justice (3)
Introductory topics of current interest in the field of criminal justice selected for intensive development.
May be repeated for a maximum of 9 units with different topics in different semesters. Topics announced in the Schedule of Classes.

Upper Division

301. Criminal Courts and Judicial Processes (3)
Prerequisite/Corequisites: CRJU 101 and 110 (may be taken concurrently).
Examines the structure and operation of the criminal court systems of the U.S. at the local, state, and federal levels, including their respective jurisdictions. Emphasizes pretrial and adjudication processes and the organizational roles and behaviors within the court system.
Not open for credit to students with credit in CRIM 351. Letter grade only (A-F).

302. Policing (3)
Prerequisites: CRJU 101 and 110 (may be taken concurrently).
The historical evolution of policing as an institution of social control with emphasis placed on the contemporary roles of police officers, including patrol strategies, training procedures, ethical standards, and discretion. Considers under-represented groups in policing and corruption in police agencies.
Not open for credit to students with credit in CRIM 483. Letter grade only (A-F).
| Course Code | Course Title                        | Prerequisites                                                                 | Description                                                                                                                                                                                                 | Not open for credit to students with credit in CRIM 486
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>303.</td>
<td>Corrections: Theory, Policy and Practice Corrections (3)</td>
<td>CRJU 101 and 110 (may be taken concurrently).</td>
<td>Historical and philosophical reactions to law violators. Overview of institutional and community corrections. Examination of differing penal institutions. Evaluation of rehabilitation as crime control strategy. Alternatives to incarceration will be explored as criminal sanctions.</td>
<td></td>
</tr>
<tr>
<td>304.</td>
<td>Criminological Theory (4)</td>
<td>CRJU 101 and 110.</td>
<td>A writing-intensive exploration of theories of crime, criminal behavior, and crime control policies. Criminological theories are traced through history by focusing on connections to biology, psychology, philosophy, politics, sociology, and economics.</td>
<td></td>
</tr>
<tr>
<td>320.</td>
<td>Criminal Justice Research Methods (4)</td>
<td>CRJU 101, 110, and 304 (may be taken concurrently).</td>
<td>Introduction to basic techniques in criminal justice research, including report writing, components of research design models, sampling techniques, data collection techniques, questionnaire construction, interview techniques, and participant observation. Focus on bridging the gaps between theory, research, and justice policy.</td>
<td></td>
</tr>
<tr>
<td>325.</td>
<td>Statistics for Criminal Justice (4)</td>
<td>CRJU 101, 110, and 320.</td>
<td>Descriptive and inferential statistics covering univariate, bivariate, and multivariate statistical techniques. Focus on probability theory, significance testing, inferential statistics used for quantitative data analysis by criminal justice researchers and administrators. Includes laboratory using statistical software packages.</td>
<td></td>
</tr>
<tr>
<td>330.</td>
<td>Criminal Justice Ethics, Values, and Diversity (3)</td>
<td>CRJU 302 and 303.</td>
<td>Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective.</td>
<td></td>
</tr>
<tr>
<td>340.</td>
<td>Substantive Criminal Law (3)</td>
<td>CRJU 101, 110, and 301.</td>
<td>Analysis of the historical development of criminal law and the underlying principles used to interpret it. Focuses on statutory construction and case law deconstruction of the elements and defenses to major crimes, and the public policy implications of these interpretations.</td>
<td></td>
</tr>
<tr>
<td>350.</td>
<td>Constitutional Criminal Procedure (3)</td>
<td>CRJU 101, 110, and 301.</td>
<td>A study of criminal procedures mandated by the U.S. Constitution emphasizing searches and seizures under the Fourth Amendment; interrogations and confessions under the Fifth Amendment; the Sixth Amendment right to counsel; and due process under the Fourteenth Amendment.</td>
<td></td>
</tr>
<tr>
<td>401.</td>
<td>Victimology (3)</td>
<td>CRJU 101, 110, and 304.</td>
<td>Advances an ecological approach to the study of victimology. Theories and history shaping the bio-psycho-social and environmental characteristics of crime and violent victimization are examined with emphasis on their intersection with issues of race, gender, class, ethnicity, and sexual orientation.</td>
<td></td>
</tr>
<tr>
<td>402.</td>
<td>Crime and Inequality (3)</td>
<td>CRJU 301 and 304.</td>
<td>Explores variability in the perpetration, apprehension, prosecution, and punishment of crime, as well as criminal victimization, by race, class, gender, ethnicity, and sexual orientation. Focuses on patterns of over-representation and critically evaluates the major explanations for this phenomenon.</td>
<td></td>
</tr>
<tr>
<td>403.</td>
<td>Comparative Criminal Justice and Transnational Crimes (3)</td>
<td>CRJU 101, 110, and 304.</td>
<td>Examination of criminal justice systems around the world and related transnational crime issues. Political, social, and economic environments are studied in relation to varying criminological practices. Includes the role of international law, international criminal courts, the UN, and Interpol.</td>
<td></td>
</tr>
<tr>
<td>404.</td>
<td>Terrorism, Homeland Security, and Criminal Justice (3)</td>
<td>CRJU 101, 110, and 304.</td>
<td>Set against the background of our global community, an examination of the relationship between the historical and contemporary motivations and goals of terrorism, United States Homeland Security and select aspects of the United States criminal justice systems.</td>
<td></td>
</tr>
<tr>
<td>405.</td>
<td>Crime Analysis (4)</td>
<td>CRJU 101, 110, 304, and 325.</td>
<td>Examines the fundamentals of crime analysis with emphasis on crime mapping, criminal network analysis, and crime prevention. The laboratory portion applies hands-on computational techniques to different types of crime data.</td>
<td></td>
</tr>
<tr>
<td>407.</td>
<td>White Collar Crime (3)</td>
<td>CRJU 101, 110, 304.</td>
<td>Discuss and explain the various types of white-collar crimes and the damage white-collar crime inflicts upon individual victims, society, institutions, and culture. Research current trends in white collar crime, especially those concerning consumer product frauds and fraudulent business opportunities.</td>
<td></td>
</tr>
</tbody>
</table>
psychosocial, and neurobiological models. Particular attention is paid to understanding homicide and sex offenses committed by those diagnosed with psychopathy, schizophrenia, and antisocial personality disorder.

410. Police Administration (3)
Prerequisites: CRJU 302 and 330.
Organizational management and systems approach to the study of police administration. Emphasizes the administration of various police functions, organizational structures, resources management, operational techniques, professional ethics, and leadership principles and their implications for generalized and specialized units.

Not open for credit to students with credit in CRIM 325.

412. Criminal Investigation (3)
Prerequisites: CRJU 101, 110, and 302.
Study of basic principles of criminal investigation. Analysis of investigative techniques; patterns and modus operandi; interviewing and interrogation strategies; collection and management of evidence; surveillance; and crime scene investigation. Theories, philosophies, and concepts related to suppression of crime are covered.

Not open for credit to students with credit in CRIM 361. Letter grade only (A-F).

420. Legal Aspects of Corrections (3)
Prerequisites: CRJ 101, 110, and 303.
Overview of court decisions related to corrections. Study of current legal issues and their impact on correctional policies and procedures.

Not open for credit to students with credit in CRIM 356.

421. Probation, Parole and Community Corrections (3)
Prerequisites: CRJU 101, 110 and 303.
Focus is on probation, parole and other intermediate sanctions and community treatment options. Each is examined from both punishment and treatment model perspectives. The pre-sentence investigation (PSI) will be analyzed. Supervision of offender in community and revocation will be discussed.

Not open for credit to students with credit in CRIM 470. Field trips may be required.

422. Correctional Counseling (3)
Prerequisites: CRJU 101, 110, 303
Techniques of counseling strategies utilized by correctional workers, including reality therapy, behavior modification, group counseling, and 12-step programs. Evaluation of the effectiveness of correctional treatment with emphasis on treatment of substance abuse, mental illness, sex offenders, and female offenders.

423. Correctional Environments (3)
Prerequisites: CRJU 101, 110, and 303.
An introduction to American penology through six all-day field trips to city, county, state, and federal correctional facilities. Includes observations of juvenile court proceedings and visits to county juvenile halls, a juvenile treatment facility, and a state youthful offender institution.

Not open for credit to students with credit in CRIM 369. Letter grade only (A-F). Special start dates and end dates apply. Full-day field trips are required. Course fee may be required.

430. Criminal Evidence and Trials (3)
Prerequisites: CRJU 301, 340, 350; and consent of Instructor.
Using a mock-trial approach, an in-depth study of procedural, evidentiary, tactical, and ethical problems experienced by lawyers, witnesses, and defendants. Emphasis on the rules of evidence and expert testimony as it relates to policing and the forensic sciences.

440. Criminalistics: Forensic Science in the Crime Laboratory (3)
Prerequisite: CRJU 230 or consent of the instructor.
Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic document examination, crime scene kits, and forensic microscopy.

Not open for credit to students with credit in CRIM 462. Letter grade only (A-F).

441. Investigating High-Tech Crimes (3)
Prerequisite: CRJU 230 or consent of the instructor.
Overview of general classification, devices, microscopy, and methodologies in investigating high-tech crimes. Focuses on counterfeiting and fraud related to U.S. currency, credit card, checks, driver’s licenses, social security cards, DVS/CD, cable TV box/satellite TV cards, and computer-based “cybercrimes.”

Not open for credit to students with credit in CRIM 463. Letter grade only (A-F).

442. Forensic Psychology and the Criminal Justice System (3)
Prerequisites: CRJU 301.
An interdisciplinary examination of the relationship between psychiatry, clinical psychology, and the criminal justice system with regard to mentally-ill criminal offenders. Focus is on the legal standards for determining various criminal competencies, insanity, diminished capacity, and related defenses of excuse.

443. Forensic Pathology and the Medical-Legal Investigation of Death (3)
Prerequisite: CRJU 230 or consent of the instructor.
A multimedia examination of the medico-legal investigation of death. Focuses on thanatology and thanato- etiology of unexpected natural deaths, accidental deaths, suicides, and homicides. Special attention to deaths by gunshot wound, sharp force injury, blunt force trauma, asphyxiation, and electrocution.

Letter grade only (A-F). Field trips may be required.

450. Domestic Violence and the Criminal Justice System (3)
Prerequisites: CRJU 101, 110, 301, 302, and 304
Domestic violence is studied as a phenomenon that impacts the criminal justice system. Spousal/intimate partner abuse, child abuse, and elder abuse are studied from a multidisciplinary perspective. Strategies for criminal justice personnel handling these cases are stressed.

Not open for credit to students with credit in CRIM 492.

460. Substance Abuse and the Criminal Justice System (3)
Prerequisites: CRJU 101, 110, and 304.
Biological, psychological, and social factors in alcohol and drug use, abuse and addiction. Legal and social elements of substance abuse and their relationship to criminal justice system. Characteristics of controlled substances; categories of drug offenses; and investigation of drug cases.

Not open for credit to students with credit in CRIM 459.

461. Sex, Sexuality, Crime, and Punishment (3)
Prerequisites: Criminal Justice majors: CRJU 101, 110, 302, 303, and 304. All other majors: upper-division standing and at least one other WGSS course, or consent of the instructor.
Transdisciplinary and critical examination of the accepted boundaries of human sexual behavior and opposing perspectives regarding the roles of criminal justice actors and institutions in regulating sex and sexuality, with special attention paid to sex-related crimes, offenders, and victims.

Same course as WGSS 417. Not open for credit to students with credit in WGSS 417.
470. Qualitative Approaches to Criminal Justice Research (3)
Prerequisites: CRJU 101, 110, and 304.
Qualitative research methodologies for studying criminal behavior and criminal justice system participants. Students will develop, implement, analyze, and write a qualitative research project while adhering to ethical responsibilities regarding human subjects, natural settings, and the dissemination of research.

490. Selected Topics in Criminal Justice (3)
Prerequisites: Completion of 300-level core courses or consent of instructor.
Advanced and specialized topics of current interest in the field of criminal justice selected for intensive development. May be repeated to a maximum of 9 units with different topics in the same semester. Topics announced in the Schedule of Classes.

492. Internship (6)
Prerequisites: Departmental consent; completion of 300-level Core (CRJU 301, 302, 303, 304, 320, 325, 330, 340, and 350) or consent of instructor.
Supervised work experience in a criminal justice agency. Letter grade only (A-F). Not open for credit to students employed in criminal justice agencies.

493. Professional Development for Criminal Justicians (3)
Prerequisites/Corequisites: Consent of the Instructor.
A structured work class to facilitate career development in the justice professions, including those in academia. Includes practical instruction on job application strategies (i.e., job searching; writing cover and inquiry letters; résumé preparation) and successful interviewing techniques. Credit/No Credit grading only.

497. Directed Research or Independent Study (1-4)
Prerequisites: Consent of instructor.
For students who wish to learn about a topic related to criminology, criminal justice, or forensics in great detail through independent reading and writing assigned by a faculty member. May be repeated to a maximum of 9 units.

498. Senior Thesis (3)
Prerequisites/Corequisites: Completion of 300-level core courses, a minimum 3.0 grade point average and consent of instructor.
For students who wish to engage in intensive guided research and write a thesis under the direction of a panel of three faculty members. Highly recommended for students who plan to pursue graduate or law school. May be repeated for a maximum of 6 units with the same topic.

GRADUATE LEVEL

501. Proseminar and Professional Writing in Criminology and Criminal Justice (3)
Prerequisite: CRJU 504. Restricted to Criminal Justice master’s students; all other students must have consent from Graduate Advisor.
Overview of graduate study in criminology and criminal justice, focusing multidisciplinary library research for evaluating primary sources used at the graduate level; locating statistical data; and exploring research ideas presented by faculty, students, and guests. Not open for credit to students with credit in CRIM 584 or CRJU 551. Letter grade only (A-F).

504. Criminological Theory (3)
Prerequisite: Restricted to criminal justice masters students; all other students must have consent from the Graduate Advisor. Exploration of theories and policy implication of crime. Political, social, and economic context will be used to explore the ecology of criminal behavior. Underpinnings of criminological theory are traced through history by focusing on connection to biology, psychology, and sociology. Not open for credit to students with credit in CRIM 581. Letter grade only (A-F).

520. Advanced Criminal Justice Research Methods (3)
Prerequisites: CRJU 320 and 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.
An in-depth exploration of the scientific methods used in criminology and criminal justice research, including research design and both quantitative and qualitative research methodologies. Special attention is paid to the ethics of human subjects research. Not open for credit to students with credit in CRIM 583. Letter grade only (A-F).

525. Advanced Statistics for Criminal Justice (3)
Prerequisite: CRJU 320 and 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.
Nonparametric, bivariate, and multivariate inferential statistics that are used for quantitative data analysis by criminal justice researchers and practitioners. Not open for credit to students with credit in CRIM 582. Letter grade only (A-F).

530. Criminal Justice Ethics, Values, and Diversity (3)
Prerequisites: Open to Criminal Justice master’s students only. All others require consent of the Criminal Justice Graduate Advisor. Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective. Not open for credit to students with credit in CRIM 512. Letter grade only (A-F).

535. Criminal Justice Policy (3)
Prerequisites: CRJU 504, 520, and 525.
Critical evaluation of policy-oriented scholarly literature in criminology and criminal justice, focusing on contemporary literature related to the philosophical, social, political, and legal policy issues affecting the American criminal justice system. Letter grade only (A-F).

604. Terrorism, Homeland Security, and Criminal Justice (3)
Prerequisites: Open to Criminal Justice master’s students only. All others require consent of the Criminal Justice Graduate Advisor. Set against the background of our global community, an examination of the relationship between the historical and contemporary motivations and goals of terrorism. United States Homeland Security and select aspects of the United States criminal justice systems. Letter grade only (A-F).

605. Crime Analysis (4)
Prerequisites: CRJU 504 & 525.
Examines the fundamentals of crime analysis with emphasis on crime mapping, criminal network analysis, and crime prevention. The laboratory portion applies hands-on computational techniques to different types of crime data. (3 hours seminar, 1 hour activity)
608. Serial Killers and Psychopaths: The Psychology of the Criminal Mind (3)
Prerequisites: Restricted to criminal justice master's students; all other students must have consent from the Graduate Advisor. Integrative examination of the intersection of criminal behavior and severe psychopathology using psychodynamic, behavioral, psychosocial, and neurobiological models. Particular attention is paid to understanding homicide and sex offenses committed by those diagnosed with psychopathy, schizophrenia, and antisocial personality disorder.

621. Administration and Management of Criminal Justice Organizations (3)
Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor. Introduction to the management of criminal justice agencies in the U.S. Examines the purposes, goals, and functions of administrative principles from a multidisciplinary systems perspective to develop both a theoretical and practical understanding of criminal justice leadership and management. Not open for credit to students with credit in CRIM 621. Letter grade only (A-F).

631. Legal Issues in Criminal Justice (3)
Prerequisites: Open to Criminal Justice master's students only. All others require consent of the Criminal Justice Graduate Advisor. Analysis of current and controversial legal issues in the criminal justice system focusing on controversial decisions of the U.S. Supreme Court. Not open for credit to students with credit in CRIM 551. Letter grade only (A-F).

640. Criminalistics: Forensic Science in the Crime Laboratory (3)
Prerequisite: Restricted to criminal justice masters students only; all others require consent of the Graduate Advisor. Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic document examination, crime scene kits, and forensic microscopy. Not open for credit to students with credit in CRIM 562. Letter grade only (A-F). Undergraduate students register for CRJU 440; graduate students for CRJU 640.

641. Investigating High-Tech Crimes (3)
Prerequisite: Open to Criminal Justice master’s students only. All others require consent of the Criminal Justice Graduate Advisor. Overview of general classification, devices, microscopy, and methodologies in investigating high-tech crimes. Focuses on counterfeiting and fraud related to U.S. currency, credit card, checks, driver’s licenses, social security cards, DVS/CD, cable TV box/satellite TV cards, and computer-based “cybercrimes.” Not open for credit to students with credit in CRIM 563. Letter grade only (A-F).

642. Forensic Psychology and the Criminal Justice System (3)
Prerequisites: Open to Criminal Justice master’s students only. All others require consent of the Criminal Justice Graduate Advisor. An interdisciplinary examination of the relationship between psychiatry, clinical psychology, and the criminal justice system with regard to mentally-ill criminal offenders. Focus is on the legal standards for determining various criminal competencies, insanity, diminished capacity, and related defenses of excuse. Letter grade only (A-F).

643. Forensic Pathology and the Medical-Legal Investigation of Death (3)
Prerequisite: Open to Criminal Justice master’s students only. All others require consent of the Criminal Justice Graduate Advisor. A multimedia examination of the medico-legal investigation of death. Focuses on thanatology and thanato-etiology of unexpected natural deaths, accidental deaths, suicides, and homicides. Special attention to deaths by gunshot wound, sharp force injury, blunt force trauma, asphyxiation, and electrocution. Letter grade only (A-F). Field trips may be required.

661. Sex, Sexuality, Crime, and Punishment (3)
Prerequisites: Open to criminal justice master's students only. Transdisciplinary and critical examination of the accepted boundaries of human sexual behavior and opposing perspectives regarding the roles of criminal justice actors and institutions in regulating sex and sexuality, with special attention paid to sex-related crimes, offenders, and victims.

670. Qualitative Approaches to Criminal Justice Research (3)
Prerequisite: CRJU 504. Qualitative research methodologies for studying criminal behavior and criminal justice system participants. Students will develop, implement, analyze, and write a qualitative research project while adhering to ethical responsibilities regarding human subjects, natural settings, and the dissemination of research.

690. Selected Topics in Criminal Justice (3)
Advanced and specialized topics of current interest in the field of criminal justice selected for intensive development. May be repeated to a maximum of 9 units with different topics in the same semester. Topics announced in the Schedule of Classes.

691. Instructional Strategies for Criminal Justice Professionals (3)
Prerequisites/Corequisites: Consent of instructor. A structured program to teach graduate students how to create and deliver college-level instruction in criminal justice. Includes design of assignments within a measurable assessment framework; development of teaching strategies; and appropriate use of media and other pedagogical devices. May require time outside of semester format. Letter grade only (A-F). May be repeated to a maximum of 6 units in different semesters.

694. Thesis I (3)
Prerequisites: Advancement to candidacy as a criminal justice master’s student. Student works under direct faculty supervision to complete a proposal for the thesis research study. Review of the literature on a topic and development of appropriate methodology. Not open for credit to students with credit in CRIM 695. Letter grade only (A-F).

695. Directed Readings/Independent Study (1-4)
Prerequisites: Consent of instructor. For students who wish to learn about a topic related to criminology, criminal justice, or forensics in great detail through independent reading and writing assigned by a faculty member. May be repeated to a maximum of 6 units.

697. Directed Research (1-4)
Prerequisites: Consent of instructor. Extensive independent research on assigned topic addressing theoretical criminology and synthesis of literature on current issues in criminal justice. Letter grade only (A-F). May be repeated to a maximum of 8 units in different semesters.

698. Thesis II (3)
Prerequisites: CRJU 694. Student works under direct faculty supervision to complete a master’s thesis research study. Not open for credit to students with credit in CRIM 698. Letter grade only (A-F).
**EMERGENCY MANAGEMENT**

College of Health and Human Services  
Department of Criminal Justice

**Program Director:** James E. Koval  
**Department Chair:** Henry F. Fradella  
**Department Office:** Engineering Technology (ET) 232  
**Telephone:** (562) 985-4738  
**Faculty:** Veronica Acosta-Deprez (Health Science), Guy Bachman (Communication Studies), Sam Bolkan (Communication Studies), Shirley Feldmann-Jensen, Sarath Gunatilake (Health Science), Connie Ireland (Criminal Justice), Peter Kreysa (Family and Consumer Sciences), James E. Koval (Family and Consumer Sciences), Chris Lee (Geography), Aili Malm (Criminal Justice), Tracey Mayfield (Library), Harvey Morley (Criminal Justice), Emelinda Parentela (Civil Engineering), Dave Powell (Public Policy and Administration), Christine Rodrigue (Geography), Joanne M. Tortorici Luna (Advanced Studies in Education and Counseling)  
**Advisor:** Peter G. Kreysa  
**Distance Learning Administrator:** James E. Koval  
**Administrative Assistant:** Durrell Dew

### Career Possibilities

Public Safety Administration • Emergency Manager • Emergency Operation Specialist • Homeland Security Administrator • Local Preparedness Coordinator • Training/Citizen Corp Specialist • Emergency Planners • Area School Safety Coordinator • Outreach Specialist • Public Health Emergency Response Manager • Emergency Management Analyst • Emergency Logistics Manager • Environmental Emergency Officer • Community Disaster Recovery Manager • Emergency Services Specialist • Risk Specialist • Public Assistance Officer • Disaster Operations Coordinator • Recovery and Mitigation Specialist • Municipal Readiness Coordinator • Safety Coordinator • Emergency Program Manager. (Some of these, and other careers, require additional education or experience. For more information, visit www.careers.csulb.edu.)

### Master of Science in Emergency Services Administration

This program is interdisciplinary, developed by faculty experts from departments across campus.

The EMER curriculum and all advising and student research presentations are designed exclusively for online delivery utilizing the most up-to-date instructional technologies available. The program provides students with the conceptual foundation, communication, managerial, and analytical skills required for designing, testing, and implementing an effective response to workplace and community emergencies. The program has two major purposes: 1) to provide an understanding of the administration and management of emergency services with an emphasis on the roles and job expectations of public safety professionals and emergency managers, and 2) to prepare students for leadership roles in emergency and disaster administration by stressing independent research, communication, and writing skills, exposure to experts, and practical experiences of respected emergency services and disaster organizations.

### Admission Criteria

1. Obtain admission to the graduate program by completing and forwarding the official CSULB graduate admissions forms and fees to the University's Office of Enrollment Services. Each applicant for graduate standing shall have completed an appropriate baccalaureate degree from an accredited university.

2. A resume and a letter of intent that includes a summary of the applicant's reasons for seeking a master's degree in Emergency Services Administration. Both documents must be sent directly to the Department's Graduate Advisor.

3. Three letters of recommendation from persons able to testify to the applicant's academic ability, preferably from former professors or immediate supervisors. These letters must be sent directly to the Department's Graduate Advisor.

4. Have at least a 3.0 grade-point average in the last 60 semester units attempted. A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential either through recent academic performance and/or experiential background may be admitted by special action of the Department's Graduate Committee.

5. Be accepted by the department and graduate advisor for admission to the program.

### Advancement to Candidacy

1. Satisfaction of the general University requirements for advancement to candidacy, including successful completion of the Graduation Writing Assessment Requirement (GWAR);

2. Completion of all core courses;

3. Maintenance of “B” average (3.0 GPA) in all work completed in graduate program;

4. Approval of Emergency Management Graduate Faculty and Director of Graduate Studies and Research, College of Health and Human Services.

### Requirements

Satisfactory completion of 37 units of approved graduate courses to include:

1. Take all of the following courses (27 units):
   - **EMER 500** Information Literacy for Emergency Services Administration (1)  
     Corequisites: EMER 504.
   - **EMER 502** Practical Writing Applications for Emergency Services Administration (2)  
     Prerequisites: None.
   - **EMER 504** E-learning Applications for Emergency Services Administration (1)  
     Prerequisites: None.
   - **EMER 506** Emergency Planning and Management (3)  
     Prerequisites: None.
   - **EMER 530** Analytical Techniques for Decision Support and Innovation (2)  
     Prerequisites: None.
EMER 540 Emergency Management Organizations: Constructs for Influencing Complex Systems (3)  
Prerequisites: None.

EMER 545 Disaster Mental Health Issues in Emergency Management (3)  
Prerequisites: None.

EMER 548 Risk, Crisis, and Inter-Agency Communications (3)  
Prerequisites: None.

EMER 661 Emergency Management Leadership Across the Megacommunity (3)  
Prerequisites: None.

EMER 671 Strategic Planning and Integrative Practices in Emergency Services Administration (3)  
Prerequisites: EMER 661.

CRJU 520 Advanced Criminal Justice Research Methods (3)  
Prerequisites: CRJU 320 and 325 or comparable undergraduate research methods and statistics courses approved by the Graduate Advisor. Restricted to Criminal Justice masters students; all other students must have consent from Graduate Advisor.

2. Take all of the following courses as noted:

Project Students take both the following courses:
- EMER 694A Project: Strategic Planning and Integrative Practices in Emergency Services Administration (3)  
  Prerequisites: Successful completion of all core requirements or approval of graduate advisor.
- EMER 694B Project: Strategic Planning and Integrative Practices in Emergency Services Administration (1)  
  Prerequisites: EMER 694A or approval of graduate advisor.

Thesis Students take the following course:
- EMER 698 Thesis (1-4)  
  Prerequisites: Advancement to Candidacy.

3. Two additional elective courses selected in consultation with a faculty advisor (6 units).

Courses (EMER)

**UPPER DIVISION**

**405./405. Campus and Community Volunteer Emergency Response (3)**
Community outreach and education in all-hazard volunteer emergency response; disaster mental health and acute stress management in natural and human-induced disasters. Certification as members of Community Emergency Response Team (CERT) and CSULB's Volunteer Crisis Resource Team (VCRT).
Letter grade only (A-F).

**500. Information Literacy for Emergency Services Administration (1)**
Corequisite: EMER 504.
Research processes and methods for retrieving information on topics in emergency services administration in the modern library environment.
Letter grade only (A-F).

**501. Principles of Emergency Services Administration (3)**
Survey of the field of Emergency Services Administration with emphasis on local government systems, including context and organization, functions and phases of emergency response, and historical perspectives.
Letter grade only (A-F).

**502. Practical Writing Applications for Emergency Services Administration (2)**
Preparation of written documents required in Emergency Services Administration.
Letter grade only (A-F).

**504. E-learning Applications for Emergency Services Administration (1)**
Introduction to on-campus and free-source e-learning technologies required to competently interface with all EMER program content, student and faculty communications, and course projects and evaluations. Initiate construction of student webpages and e-portfolios. Must be taken first semester of the program and concurrently with EMER 500.
Letter grade only (A-F).

**505./405. Campus and Community Volunteer Emergency Response (3)**
Community outreach and education in all-hazard volunteer emergency response; disaster mental health and acute stress management in natural and human-induced disasters. Certification as members of the Community Emergency Response Team (CERT) and CSULB's Volunteer Crisis Resource Team (VCRT).
Letter grade only (A-F).

**506. Emergency Planning and Management (3)**
The planning and management processes and the issues involved in large-scale emergencies. The nature of natural and technological risk and emergency will be explored via case studies. Public sector roles in contingency planning and response will be assessed.
Letter grade only (A-F). Same course as PPA 542. Not open for credit to students with credit in PPA 542 or EMER 542.

**530. Analytical Techniques for Decision Support and Innovation (2)**
Integration of theoretical and applied analytical techniques to support emergency management decision making and improve delivery of emergency services. Problems in planning, decision making and innovation are examined using quantitative and qualitative analysis. Use of computer software packages.
Letter grade only (A-F).

Historical events, policies, and complex organizational settings that shape emergency management organizations. Critical reviews of modern and post-modern organizational theories associated with complex systems. Strategic improvements in emergency management organizations.
Letter grade only (A-F).

**543. Legal, Economic, and Human Issues in Emergency Administration (3)**
Legal, strategic, political, economic, ethical, and human issues encountered in the management of disasters or major traumatic public events.
Letter grade only (A-F). (Discussion 3 hours.)

**544. Law and Legal Issues in Emergency Management (3)**
Prerequisite: Graduate standing.
Overview of federal, state, and local legislation related to emergency management in various types of disasters. Guaranteed rights under the US Constitution and the legal and ethical application of measures within the parameters of these rights in emergency situations.
Letter grade only (A-F).

**545. Disaster Mental Health Issues in Emergency Management (3)**
Theories and practical applications of emergency mental health and self-care for those responding to, or managing response to, widespread natural and human-induced disasters.
Letter grade only (A-F).
547. Business Continuity & Emergency Management (3)  
Development and maintenance of comprehensive emergency management programs for business and industry. Plan development and implementation, vulnerability analysis, hazard identification, life safety, property protection, communications and community outreach.  
Letter grade only (A-F).

548. Risk, Crisis, and Inter-Agency Communications (3)  
Theory and practical applications of emergency communications for those responding to or managing response to widespread natural and human-induced disasters.  
Letter grade only (A-F).

546. Technology Use in Emergency Management (3)  
Prerequisite: EMER 506 or consent of instructor.  
Role of technology in effective emergency management. Exploration of Internet, disaster simulation software, and geographic tools such as GIS, GPS, and direct and remote sensing devices through case study analyses and in-class simulations.  
Letter grade only (A-F).

549. Public Health Issues in Emergency Management (3)  
Prerequisite: EMER 506 or consent of instructor.  
Roles and responsibilities of the public health system in emergency management. Structure of public health systems, management tools, public health intervention strategies, communication, collaboration, and ethical considerations. Role of public health regarding assessments following disasters and maintaining public health standards.  
Letter grade only (A-F).

631. International Emergency Administration Systems: Comparative Analysis (3)  
Prerequisite: GEOG 558  
Comparative analysis of international emergency management systems and structures. Implications of emerging threats and disasters in an increasingly interdependent world.  
Letter grade only (A-F).

650. Graduate Seminar (3)  
Students will undertake literature reviews and/or research to explore emerging issues, trends and research in the field of emergency services administration.  
Letter grade only (A-F).

661. Emergency Management Leadership Across the Megacommunity (3)  
Competencies of professional emergency management defined through the megacommunity. Models of strategic leadership in all phases of disaster management, with often competing professional organizations and networks, across culturally and economically diverse constituencies, and for natural or human-made disasters.  
Letter grade only (A-F).

671. Strategic Planning and Integrative Practices in Emergency Services Administration (3)  
Prerequisites: EMER 661.  
Capstone course focusing on all phases of disaster management of selected disaster case studies, a natural disaster and human-made event, using existing research literature, Internet-based simulation software, and post-incident evaluation techniques.  
Letter grade only (A-F).

690. Selected Topics in Emergency Management (1-6)  
Group investigation of selected topics.  
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in the same semester. Topics announced in the Schedule of Classes.
FAMILY AND CONSUMER SCIENCES
College of Health and Human Services

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs
Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh
Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Accreditation
The Department of Family and Consumer Sciences is accredited by the American Association of Family and Consumer Sciences (AAFCS) (American Association of Family and Consumer Sciences, Council for Accreditation, 1555 King Street, Alexandria, VA 22314, phone: 703-706-4600). The Didactic Program in Dietetics and the Dietetic Internship are currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, phone: 312-899-0040, ext. 5400. The Hospitality Foodservice and Hotel Management program is accredited by the Accreditation Commission for Programs in Hospitality Administration. The Preschool and Toddler Study Laboratories are accredited by The National Association for the Education of Young Children. Family Studies Program is approved by the National Council on Family Relations to offer a program leading to Provisional Family Life Education Certification.

Undergraduate Programs

Bachelor of Arts in Family and Consumer Sciences
This degree offers six options:
- Child Development and Family Studies
- Consumer Affairs
- Family and Consumer Sciences Education
- Family Life Education
- Fashion Merchandising
- Textiles and Clothing
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
- Nutrition and Dietetics
- Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Hospitality, Foodservice and Hotel Management
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Graduate Programs

Master of Arts in Family and Consumer Sciences
This program is designed to prepare students with a background in program evaluation and administration, research methods, and application of advanced subject matter knowledge to enhance the quality of life of individuals, families, and communities. The advanced candidate selects either a thesis track or directed project track to facilitate a selected career path.

There are four specializations in this program:
- Consumer Affairs
- Family and Consumer Sciences Education
- Fashion Merchandising
- Hospitality Foodservice and Hotel Management

Interested students should contact the Department of Family and Consumer Sciences Graduate Coordinator at (562) 985-4484. Online information can be found at http://www.csulb.edu/colleges/chhs/departments/fcs/programs/graduate/MADegree.htm.

Admission
Prospective applicants must comply with University requirements for admission to graduate studies as outlined in this catalog. Students must concurrently submit application to the University Admissions and Records office and the Department. A cohort of students will be admitted each Fall semester.

Admission Requirements to the Department.
Admission to the Master of Arts in Family and Consumer Sciences is dependent upon approval by the Graduate Coordinator. The application requirements for prospective graduate students for the Master of Arts degree are:
1. At least a 3.0 grade-point cumulative undergraduate average.
2. A copy of the application submitted to the University Office of Admissions and Records.
3. Three letters of recommendation (preferably from previous instructors).
4. Additional materials that provide evidence of academic performance may be requested (at a later date) after review of applicant’s file.
5. Approval by the Graduate Coordinator.
6. DEADLINES FOR RECEIPT OF APPLICATIONS TO THE DEPARTMENT GRADUATE COORDINATOR: MAY 1ST FOR FALL ADMISSIONS.
Prerequisites
1. Students are responsible for meeting all prerequisite requirements prior to enrolling in 500/600 level courses.
   A. The Graduate Coordinator and/or faculty advisor will evaluate transcripts. The student who needs to complete prerequisite deficiencies must do so using a program of study developed with the specialization area faculty advisor and approved by the Graduate Coordinator.
   B. The student who needs to pass the Test of English as a Foreign Language (TOEFL) must do so within one year of admission.
2. Students from other disciplines may be required to complete prerequisite courses before enrolling in 500/600 level courses.
3. Prerequisites for all courses carrying graduate credit must have been completed within five years of taking the graduate courses. If the prerequisite is outdated, the prerequisite(s) must be repeated or credit obtained by examination.
4. Students deficient in undergraduate preparation must take courses to remove these deficiencies at the discretion of faculty in the specified subject matter area and the Graduate Coordinator. Courses taken to remove deficiencies may not be included in the graduate program of study.

Retention
1. Maintain a 3.0 or better grade point average in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Maintain satisfactory progress toward the degree objective.

Advancement to Candidacy
1. Satisfactory completion of the Writing Proficiency Examination/Graduate Writing Assessment Requirement (WPE/GWAR).
2. Minimum of 3.0 overall GPA and a 3.0 average in all units undertaken for the approval program of study.
3. Complete all the following courses: EDP 419; FCS 563, 600, 696
4. Approval of the Graduate Coordinator, and Associate Dean of the College of Health and Human Services.
5. Enrolled in the semester in which the Advancement to Candidacy takes place.

Requirements for Graduation
1. Completion of a minimum of 30 units of approved upper-division and graduate courses with a minimum of 21 units in FCS.
2. Completion of the following:
   Take all the following courses:
   - EDP 419 Educational Statistics (3)
     Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.
   - FCS 563 Evaluation in Family and Consumer Sciences and Gerontology (3)
     Prerequisites: Upper division or graduate course in statistics; FCS 696 (may be taken concurrently) or equivalent.
   - FCS 592 Internship in Family and Consumer Sciences/Gerontology (3)
     Prerequisites: Graduate standing and consent of instructor.
   - FCS 597 Independent Studies (2)
     Prerequisites: A 400-level course in any of the Family and Consumer Sciences disciplines.
   - FCS 600 Seminar in Administration of Family and Consumer Sciences/Gerontology Programs (3)
     Prerequisites: Graduate standing.
   - FCS 696 Research Methods (3)
     Prerequisites: Upper-division course in statistics.
   - FCS 697 Directed Research (3)
     Prerequisites: Advancement to candidacy.

   Take one of the following courses:
   - FCS 692 Directed Project (4)
     Prerequisites: FCS 697.
   - FCS 698 Thesis (4)
     Prerequisites: FCS 697.

   Complete 6 units of Advisor approved courses in the area of specialization (Consumer Affairs, Family and Consumer Sciences Education, Fashion Merchandising or Hospitality Foodservice and Hotel Management).
3. Completion of an oral presentation of the Thesis or Directed Project report.

Master of Science in Nutritional Science
This degree offers two emphases: Nutritional Science (Nutrition Therapy/Community Nutrition) and Food Science.

Admission Criteria
Prospective applicants must comply with University requirements for admission to graduate studies as outlined in this catalog. Students must concurrently submit applications to the University Admissions and Records Office and the Department of Family and Consumer Sciences.

Admission to the Master of Science in Nutritional Science is dependent upon approval by the Graduate Coordinator. The requirements for prospective graduate students for the Master of Science degree are:
1. A bachelor's degree with an undergraduate overall GPA of 3.0 and a GPA of 3.0 on the last 60 undergraduate units attempted.
2. A minimum score of 4 on the Analytical Writing section of the general GRE.
3. A passing score on the test of English as a Foreign Language (TOEFL) if the applicant's native language is not English and preparatory education was principally in a language other than English.
4. Submission of the following to the Graduate Coordinator in the Department of Family and Consumer Sciences:
   A. A copy of the completed application submitted to the CSULB Office of Enrollment Services.
   B. Three letters of recommendation with at least two from instructors who have direct knowledge of the applicant's scholastic ability and professional qualifications.
   C. An official copy of the Graduate Record Examination (GRE) taken within the last 5 years.

THE POSTMARK DEADLINES FOR RECEIPT OF APPLICATIONS TO THE DEPARTMENT GRADUATE COORDINATOR ARE APRIL 1ST FOR FALL ADMISSIONS AND OCTOBER 15th FOR SPRING ADMISSIONS.

Prerequisites
1. Students are responsible for meeting all prerequisite requirements prior to enrolling in 500/600 level courses.
requirements prior to enrolling in 500/600 level courses. A program of study will be developed with the emphasis area faculty advisor and approved by the Graduate Coordinator.

2. Prerequisites for all courses carrying graduate credit must have been completed within five years of taking the graduate courses. If any prerequisite is outdated, it may be repeated or credit obtained by written examination.

**Advancement to Candidacy**

1. Complete 9 units of graduate courses, including FCS 696.
2. Maintain a 3.0 GPA for all course work attempted as a graduate student.
3. Complete a Program of Study in consultation with a faculty advisor.
4. Approval by the Graduate Coordinator of Family and Consumer Sciences and the Associate Dean of the College of Health and Human Services.
5. Enrolled in the semester in which the Advancement to Candidacy takes place.

**Retention**

1. Maintain a minimum of 3.0 GPA in all graduate work completed at CSULB and all graduate work transferred to meet graduate requirements.
2. Maintain satisfactory progress toward the degree objective.

**Requirements**

1. Completion of a minimum of 34-36 units depending on concurrent completion of the dietetic internship;
2. An advanced statistics course:
   - Take one of the following courses:
     - EDP 519, H SC 503, or a course approved by the faculty advisor;
3. At least 18 units of 500/600 level courses in Family and Consumer Sciences:
   - **A. Nutritional Science without Dietetic Internship (34 units):**
     - Take all of the following courses:
       - FCS 530A Carbohydrates, Lipids and Proteins (3)  
         Prerequisites: NUTR 436, 436L, BIOL 260.
       - FCS 530B Vitamins and Minerals (3)  
         Prerequisites: NUTR 436, 436L, BIOL 260.
       - FCS 531 Advanced Community Nutrition (3)  
         Prerequisites: NUTR 436 and 436L; NUTR 461.
       - FCS 636 Nutrition and the Media (3)  
         Prerequisites: Graduate standing, NUTR 331A or equivalent.
       - FCS 597 Independent Study (1-3)  
         Prerequisites: A 400-level course in any of the Family and Consumer Sciences disciplines.
     - FCS 696 Research Methods (3)  
       Prerequisites: Upper-division course in statistics.
     - FCS 697 Directed Research (3)  
       Prerequisites: Advancement to candidacy.
   - Take one of the following courses:
     - FCS 692 Directed Project (4)  
       Prerequisites: FCS 697.
     - FCS 698 Thesis (4)  
       Prerequisites: FCS 697.
   - Take 6 units of advisor-approved area of specialization courses.
   - 4. A written Thesis or a Directed Project
   - 5. Oral presentation of the Thesis or Directed Project.

- **B. Nutritional Science with Dietetic Internship (36 units):**
  - Take all of the following courses:
    - FCS 530A Carbohydrates, Lipids and Proteins (3)  
      Prerequisites: NUTR 436, 436L, BIOL 260.
    - FCS 530B Vitamins and Minerals (3)  
      Prerequisites: NUTR 436, 436L, BIOL 260.
    - FCS 531 Advanced Community Nutrition (3)  
      Prerequisites: NUTR 436 and 436L; NUTR 461.
    - FCS 591A Professional Practicum in Dietetics (6)  
      Prerequisite: Admission in the Academy of Nutrition and Dietetics Accredited Dietetic Internship.
    - FCS 591B Seminar in Dietetic Practice (2)  
      Corequisites: Enrollment in FCS 591A.
    - FCS 636 Nutrition and the Media (3)  
      Prerequisites: Graduate standing, NUTR 331A or equivalent.
    - FCS 696 Research Methods (3)  
      Prerequisites: Upper-division course in statistics.
    - FCS 697 Directed Research (3)  
      Prerequisites: Advancement to candidacy.
    - Take one of the following courses:
      - FCS 692 Directed Project (4)  
        Prerequisites: FCS 697.
      - FCS 698 Thesis (4)  
        Prerequisites: FCS 697.
    - Take 3 units of advisor-approved area of specialization courses.

**Academy of Nutrition and Dietetics Accredited Dietetic Internship**

The department offers a combined Master of Science in Nutritional Science and Dietetic Internship (DI) supervised practice. The DI is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics (AND). Upon successful completion of the DI, the student will be eligible to write the Registration Examination for Dietitians.

The DI's mission is to provide contemporary training of entry-level nutrition professionals who will become valued
leaders in multi-ethnic communities, healthcare programs and food production settings for the years 2012-2022. The two major goals of the DI are:

1. To prepare entry-level dietitians who can apply the science of nutrition for the well-being of individuals throughout the lifecycle, and
2. To prepare graduates who are dedicated and confident in their profession.

The Dietetic Internship has a "Nutrition Across the Life Cycle Communication" (NALCC) Concentration. The concentration is designed to develop unique communication, education and health promotion skills. These skills will enhance the ability of graduates to interview, counsel, and guide individuals with nutrition decisions and eating behaviors at all ages of individuals across the life cycle. In addition, the concentration prepares graduates with the ability to develop health promotion and chronic disease prevention programs for individuals and groups.

The DI provides 1,200 hours of practicum experience (FCS 591A: Professional Practicum in Dietetics) within a broad array of disciplines including nutrition therapy, foodservice systems management, community and business/entrepreneurial nutrition. The DI is conducted off campus at a variety of excellent facilities including, but not limited to, medical centers, health departments, school districts and community service organizations.

The student must enroll in a full academic year of two semesters and two additional sessions in the summer (sessions I and II) following the academic year. The student enrolls in 11 units of FCS 591A each fall and spring semester, and enrolls in 7 units of FCS 591A in the summer following the academic year.

During the fall and spring, concurrent enrollment is required in the 1-unit graduate seminar (FCS 591B: Seminar in Dietetic Practice). This is the didactic course supporting the practicum and constitutes 276 hours of class time.

**Admission Requirements**

1. Completion of a ACEND accredited Didactic Program in Dietetics with an original Verification Statement from the Didactic Program Director;
2. Earned baccalaureate degree;
3. GPA 3.0 minimum on a 4.0 scale required on the last 60 units of courses completed;
4. Related volunteer or work experience in the United States;
5. Graduate standing in the CSULB Master of Science, Nutritional Science program;

**NOTE:** Dietetic Internship applicants must apply on or before February 1st to the MS Nutritional Science with Internship degree program to coincide with the Fall admission to the DI program.

6. Completion of the Dietetic Internship Centralized Application System (DICAS) application by February 1st;
7. Additional application materials to Dietetic Internship Director by February 1st which includes a nutrition-related experience worksheet and a GPA calculation sheet (both forms can be downloaded from the DI website: www.csulb.edu/dieteticinternship); and,
8. Interview with Program Director and review committee.

**Program Completion**

The student will complete the DI when the following has been achieved:

1. Completion of 1,200 hours of practicum (FCS 591A) with a minimum of satisfactory performance as evaluated by preceptors and receiving a credit grade in the course;
2. Completion of the Seminar in Dietetic Practice: FCS 591B with a grade of B or higher; and,
3. Completion of two of the three designated graduate courses, FCS 530A, 531 or 636 or equivalent with a grade of "B" or higher.

When the student meets these requirements, he/she will receive a ACEND Verification Statement signed by the DI Director. The graduate will then be eligible to write the Registered Dietitian exam.

Graduates of the Dietetic Internship receive a total of 14 units towards their M.S. in Nutritional Science degree. This includes 6 units from the two required graduate courses of 3 units each, 2 units from FCS 591B (1 unit each semester) and 6 units from FCS 591A (3 units each semester).

Completion of the M.S. degree typically takes an additional one to two years to complete after completing the internship.

Students can view details of the dietetic internship at www.csulb.edu/dieteticinternship.

Career opportunities include employment as a professional such as clinical dietitian; nutrition consultant; entrepreneur; community nutritionist; media spokesperson or marketing manager in the food industry; foodservice manager in hospitals, medical centers, schools, universities, businesses, restaurants or hotels; researcher in the medical, food production or food manufacturing industries, and inspector in the food industry.

**Single Subject Teaching Credential in Home Economics**

*For information, refer to the undergraduate section in Family and Consumer Sciences Education.*

**Family and Consumer Sciences Courses (FCS)**

**UPPER DIVISION**

**492G. Internship in Gerontology (3)**

Prerequisites: Student must be a Gerontology Certificate candidate; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of the Gerontology program director; and GERN 400I, ANTH 454, PSY 365 or HDEV 357I. Each prerequisite course must be completed with a grade of “C” or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student and supervisor must be approved by major advisor and form the basis for evaluation.

May be repeated for 6 units maximum. Same course as GERN 492G. Not open for credit to students with credit in GERN 492G. (Seminar 3 hours)
502. Child and Family Law (3)
Prerequisites: CDFS 312I and upper division standing. Establishment, conduct, and termination of marital and non-marital family relationships, including the rights and duties of the parties involved. Topics include marital dissolution, child custody issues, property rights, domestic violence, adoption, support, genetic testing, and new trends in family law. Letter grade only (A-F). (Lecture-discussion 3 hours)

511. Theories in Family and Consumer Sciences (3)
Prerequisite: Admission to a graduate program in Family and Consumer Sciences or closely related field. Major contributors and historical and philosophical trends in Family and Consumer Sciences. Theory construction and empirical verification of hypotheses. Contemporary theories spanning the areas in Family and Consumer Sciences. Letter grade only (A-F).

518. Parent Education (3)
Prerequisites: At least six units of upper division child development and family studies or equivalent courses. Principles and techniques for working with parents in community and school programs. Assessment of needs and development of programs for adults in a variety of social and cultural settings. Letter grade only (A-F).

520. Personal Finance for the Aging (3)
Prerequisites: 400-level course in Consumer Affairs or consent of instructor. Personal finance as applied to the aging population. Letter grade only (A-F). Same course as GERN 520. Not open for credit to students with credit in GERN 520. (Lecture-discussion 3 hours)

525. Personal Financial Planning Analyses (3)
Prerequisites: CAFF 223 or consent of instructor. Analysis and protection of personal and family resources; planning and forecasting goals; development of financial strategies utilizing insurance, investment, tax management, pensions, wills and trusts. Letter grade only (A-F).

526. Family Financial Problems (3)
Prerequisites: CAFF 223 or consent of instructor. Theory and practice in the diagnosis of family financial crises; selecting alternative solutions; constructing practical methods for the prevention of family financial problems. Letter grade only (A-F). (2 hours discussion, 3 hours laboratory).

529. Consumer Protection (3)
Prerequisites: Upper Division course in consumer affairs or consent of instructor. Concepts of consumer protection with analysis of a myriad of resources available for individuals and families with consumer problems. Letter grade only (A-F). (Seminar 3 hours)

530A. Carbohydrates, Lipids and Proteins (3)
Prerequisites: NUTR 436, 436L, BIOL 260. Nutritional, metabolic and clinical aspects of carbohydrates, lipids and proteins. Current knowledge of interactions between macronutrients and assessment of needs. Letter grade only (A-F). (Seminar 3 hours)

530B. Vitamins and Minerals (3)

531. Advanced Community Nutrition (3)
Prerequisites: NUTR 436 and 436L; NUTR 461. Program planning and evaluation with emphasis on major nutrition-related public health problems among target populations. Protocol development, collection and analysis of data. Verbal and written communications. Letter grade only (A-F). (Lecture-discussion 3 hours)

532. Food Analysis (3)
Prerequisites: CHEM 327, FSCI 332 or equivalent. Application of scientific methods of food analysis. Consideration of manner in which such variables as ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems. Letter grade only (A-F). Course fee may be required. (Seminar 2 hours, Laboratory 3 hours)

533. Recent Advances in Food Science (3)
Prerequisites: FSCI 432L or consent of instructor. New developments in food processing, techniques of food preservation and chemical additives. Food and water sanitation. Methods of standardization, preservation, and evaluation of quality. Retention of nutritive value, flavor, appearance, and safety of foods. Letter grade only (A-F). (Seminar 3 hours)

534. Advanced Latino Nutrition, Health and Chronic Disease Prevention (3)
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields. Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provides culturally relevant strategies for prevention. Letter grade only (A-F). Same course as HSC 534. Not open for credit to students with credit in HSC 534.

535. Food Processing, Preservation and Packaging (3)
Prerequisites: FSCI 332 or consent of instructor. Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutrition. Evaluation of chemical additives. Microbiological aspects of food safety. (Lecture-discussion 2 hours, Laboratory 3 hours)

536. Advanced Nutrition (3)
Prerequisites: NUTR 331B; CHEM 448; CHEM 449 (may be taken concurrently). Metabolism of proteins, fats, carbohydrates, minerals and vitamins; interrelationship of nutrients; principles of determining nutritional requirements of individuals. Letter grade only (A-F).

537. Culturally Responsive Nutrition Promotion for Latinos (3)
Prerequisites: Open to students enrolled in graduate programs in Family and Consumer Sciences or equivalent courses. Explores the need and methods to develop culturally and linguistically relevant nutrition education with a focus on the Latino community. Students will analyze, evaluate, and create culturally competent nutrition interventions for the Latino community. Letter grade only (A-F). Same course as HSC 537. Not open to students with credit in HSC 537.

538. Medical Nutrition Therapy (3)
Prerequisites: NUTR 436; NUTR 436L (may be taken concurrently). The nutrition care process is applied to specific pathophysiological conditions. The application of this process includes nutrition assessment, nutrition diagnosis, nutrition intervention, and nutrition monitoring and evaluation. Letter grade only (A-F).
539. Nutrition and Aging (3)
Prerequisites: NUTR 132 or BIOL 207 or 301 or GERN 400I or consent of instructor.
Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.
Letter grade only (A-F). Same course as GERN 539. Not open for credit for students with credit in GERN 439, GERN 539 or NUTR 439.

555. Global Perspectives in Fashion Merchandising (3)
Prerequisites: FMD 351 and 355, MKTG 300, and Graduate standing, or consent of instructor.
Application of merchandising concepts for the budgeting, buying, promoting, and selling of fashion apparel and accessories in global retail organizations.
Letter grade only (A-F).

558. Fashion Product Development (3)
Prerequisites: FMD 353, Graduate standing, or consent of the instructor.
The process of designing and engineering fashion products to be serviceable, producible, salable, and profitable for various consumer market segments.
Letter grade only (A-F).

563. Evaluation in Family and Consumer Sciences and Gerontology (3)
Prerequisites: Upper division or graduate course in statistics; FCS 696 (may be taken concurrently) or equivalent.
Principles, design, and methods of program evaluation for use by Family and Consumer Sciences and Gerontology professionals. Selection and development of instrumentation for data collection and interpretation and methods of reporting.
Letter grade only (A-F). Same course as GERN 563. Not open for credit to students with credit in GERN 563. (Seminar 3 hours).

566. Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.
Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.
Letter grade only (A-F). Same course as KIN 568. Not open for credit to students with credit in KIN 568. (Seminar 3 hours).

574. Cost Control in Hospitality Foodservice and Hotel Management (3)
Prerequisites: HFHM 275 or 276 or consent of instructor.
Financial management of food, labor, supplies, and other operational costs; procedures for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; inventory and security management; computer applications; and analysis of financial reports in hospitality foodservice and hotel industry.
Letter grade only (A-F). (Lecture/Discussion 3 hours).

577. Foodservice Administration (3)
Prerequisites: HFHM 276 or 375 or consent of instructor.
Principles of organization and administration in commercial and non-commercial foodservice operations are explored. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management as applied to the foodservice industry. Field trips required.
Letter grade only (A-F). (Discussion 3 units)

591A. Professional Practicum in Dietetics (11)
Prerequisite: Admission to the Academy of Nutrition and Dietetics Accredited Dietetic Internship.
Supervised practicum at contracted facilities to meet performance standards and qualify for the national registration examination. Credit/No Credit grading only. 11 units for each of 2 consecutive semesters.

591B. Seminar in Dietetic Practice (1)
Corequisite: Enrollment in FCS 591A.
Oral and written presentations of annotated bibliographies and a clinical case study, reports of professional meetings, examinations and field trips.
Letter grade only (A-F). 1 unit for each of 2 consecutive semesters. (Seminar 1 hour).

592. Internship in Family and Consumer Sciences/ Gerontology (3)
Prerequisites: Graduate standing and consent of instructor.
Field experience in which student assumes a self directed responsible role in an agency, business or other community setting.
Letter grade only (A-F). May be repeated to a maximum of 6 units.
(Seminar 3 hours)

597. Independent Study (1-3)
Prerequisite. ED P 419.
Critical analyses of the current professional literature, theory, practice and research. The research process including conceptualization of the problem, literature search and review. The legal and ethical aspects of research are stressed.
Letter grade only (A-F). (Lecture-activity 3 hours)

600. Seminar in Administration of Family and Consumer Sciences/Gerontology Programs (3)
Prerequisite: Graduate standing.
Application of administration, management and leadership theories to family and consumer sciences/gerontology programs. Decision-making, organizational structures and evaluation concepts included.
Letter grade only (A-F). Same course as GERN 600. Not open for credit to students with credit in GERN 600.

636. Nutrition and the Media (3)
Prerequisites: Graduate standing, NUTR 331A or equivalent.
Basic skills for analyzing and communicating reliable nutrition messages for print and visual media; translating evidenced-based research into consumer messages.
Letter grade only (A-F). (Lecture-activity 3 hours)

655A. Literature Review and Research in Family and Consumer Sciences (3)
Prerequisite. ED P 419.
Critical analyses of the current professional literature, theory, practice and research. The research process including conceptualization of the problem, literature search and review. The legal and ethical aspects of research are stressed.
Letter grade only (A-F). (Seminar 3 hours)

692. Directed Project (4)
Prerequisite: FCS 697.
Will acquire experiential skills under the guidance of a faculty advisor and supervisor/ preceptor at an approved project site. Will identify problems, design and assess a project or conduct research. Results will be presented in a thesis-style report.
Letter grade only (A-F)
696. Research Methods (3)
Prerequisite: Upper-division course in statistics.
Methodological approaches to contemporary research issues in Family and Consumer Sciences. Focuses on the design, development, and implementation of a formal research-designed project.
Letter grade only (A-F). Same course as GERN 696. Not open for credit to students with credit in GERN 696. (Seminar 3 hours).

697. Directed Research (3)
Prerequisite: Advancement to candidacy.
Students work under supervision of the thesis/directed project chair and with other committee members to complete a proposal for the thesis or directed project.
Letter grade only (A-F).

698. Thesis (4)
Prerequisite: FCS 697.
Planning, preparation and completion of a thesis related to the family and consumer sciences field.
Letter grade only (A-F).
FAMILY AND CONSUMER SCIENCES EDUCATION
College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs

Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Career Possibilities
Positions in Cooperative Extension Services and Community Service Agencies • Home Economics/Family and Consumer Sciences Teachers in Secondary Schools • Educational Program Specialists in Business, Industry and Government • Teaching Youth and Adults in Various Educational Settings. (For more information, see www.careers.csulb.edu.) Positions as instructors in adult education or community colleges provide excellent careers for graduates with a Family and Consumer Sciences Education Option who obtain the appropriate credentials and education above the B.A. degree.

Undergraduate Programs

Bachelor of Arts in Family and Consumer Sciences
This degree offers six options:
• Child Development and Family Studies
• Consumer Affairs
• Family and Consumer Sciences Education
• Family Life Education
• Fashion Merchandising
• Textiles and Clothing

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
• Nutrition and Dietetics
• Food Science

Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Hospitality Management
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Arts in Family and Consumer Sciences

Option in Family and Consumer Sciences Education (120 units)
This option meets the new state standards for subject matter competence for the Home Economics credential and has been approved by the California Commission on teacher Credentialing. Students who earn a Home Economics Single Subject Teaching Credential will be prepared to teach in middle, junior, and senior high schools, and in adult or career and technical education programs and community colleges.

Requirements
Take all the following courses:

- PSY 100 General Psychology (3)
  Prerequisites/Corequisites: GE A1 requirement.
- COMM 130 Essentials of Public Speaking (3)
  Prerequisites: None.
- ED P 301 Child Development and Learning: Cross-Cultural Perspective (3)
  Prerequisites: None.
- EDSS 300H Introduction to Teaching (3)
  Prerequisites: Advanced sophomore or junior standing.
- HSC 411B Health Science for Secondary Teachers (3)
  Prerequisites: Upper-division standing. Corequisite: Current CPR Certification required.
- CAFF 223 Personal & Family Financial Management (3)
  Prerequisites: GE Foundation requirements.
- CAFF 226 Consumer Life Skill (3)
  Prerequisites: GE Foundation requirements.
- CAFF 321I Family & Consumer Resource Management (3)
  Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.
- CAFF 322 Family Housing and the Urban Community (3)
  Prerequisites: Upper-division standing.
- CDFS 211 Guiding Young Children (3)
  Prerequisites: A grade of “C” or better in PSY 100 or SOC 100 or CDFS 111.
- CDFS 312I Family and Personal Development (3)
  Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120l upper division standing; or consent of instructor.
- ETEC 444 Computer Technology in Education, Level I (3)
  Prerequisites: Course design assumes familiarity with topics introduced in ETEC 110.
- FMD 296 Computer Applications for Family and Consumer Sciences Professions (3)
  Prerequisites: ETEC 444.
- FCSE 299 Introduction to FCS (1)
  Prerequisites: None.

Bachelor of Arts in Family and Consumer Sciences Education • 2012/2013 CSULB Catalog
Take 12 units of one of the following concentrations:

**Foodservice and Hospitality:**
- HFHM 170 Introduction to Hospitality Foodservice and Hotel Management (3)
- Prerequisites: None.
- HFHM 375 Food Production Systems II (3)
  - Prerequisites: HFHM 173 and 275; or 276; or consent of instructor.
- HFHM 474 Cost Control in Hospitality Foodservice and Hotel Management (3)
  - Prerequisites: HFHM 275 or 276 or consent of instructor.
  - Prerequisites: HFHM 276 or 375 or consent of instructor.

The following substitutions or waivers have been approved for students in the FCSE program of study:
1. FMD 258 is waived in FMD 351 and FMD 355.
2. ACCT 201 is waived in FMD 355.
3. EDP 301 is substituted for CDFS 111 in all of the courses for which CDFS 111 is a prerequisite: CDFS 211, 214, 414, 416A, 416B.
4. ETEC 444 is substituted for IS 233 in FMD 355.

**Single Subject Teaching Credential in Home Economics**

In addition to meeting the subject matter competence requirement for the Single Subject Teaching Credential in Home Economics, prospective Family and Consumer Sciences teachers are also required to complete 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching, as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website (www.ced.csulb.edu/single-subject) for a description of the professional preparation requirements, courses, and application procedures. Prospective students should consult the department's Family and Consumer Sciences Credential Advisor early to plan their program.

**Family and Consumer Sciences Education Courses (FCSE)**

299. Introduction to Family and Consumer Sciences (1)
Must be taken during first semester as Family and Consumer Sciences or Dietetics and Food Administration major. Provides a general overview of Family and Consumer Sciences as a discipline of study and a profession. Examines historical and philosophical perspectives and considers issues, trends, and career opportunities within each option in the department.
- Letter grade only (A-F). (Lecture-discussion 1 hour)

486. Instructional Strategies for Family and Consumer Sciences Professionals (3)
Prerequisite: Senior standing.
- Must be taken in one of the last two semesters prior to graduation.
- Utilize the principles and concepts of each area of Family and Consumer Sciences in developing and implementing a variety of learning experiences appropriate for providing instruction to individuals or groups in informal education, business, government agencies, or other community settings.
- Letter grade only (A-F).

490. Selected Topics in Family and Consumer Sciences Education (1-3)
Group investigation of selected topics.
- May be repeated to a maximum of 9 units. Topics announced in the Schedule of Classes. (Seminar 1-3 hours)
  - B. New York Fashion Study Tour (course fee may be required)
  - D. Children and Families in New Zealand and in the U.S.: A Comparative Study Child U.S. and N.Z.
492D. Internship in Family and Consumer Sciences Education (3)
Prerequisites: Student must be a Family and Consumer Sciences Education major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a Family and Consumer Sciences Education faculty advisor. Each prerequisite course must be completed with a grade of “C” or better. A course in which a grade lower than “C” is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. Students receiving a grade lower than a “C” may proceed with other courses with approval of the Area Coordinator.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)

497. Directed Studies (1-3)
Prerequisites: Upper division standing, consent of instructor.
Independent study under the supervision of a faculty member.
Exploration/experience in areas not a part of any regular course.
May be repeated to a maximum of 6 units.

499. Professionalism and Leadership in Family and Consumer Sciences (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course work in Family and Consumer Sciences. Must be taken in one of the last two semesters prior to graduation.
Analysis of contemporary issues, public policies and future directions of FCS as discipline of study and a profession with integrated specializations.
Letter grade only (A-F). (Lecture-Discussion 2 hours)
FASHION MERCHANDISING AND DESIGN
College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs

Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Career Possibilities
Promotions Specialists • Product Developers • National Promotions Directors • Costume Designers • Designers • Sales Representatives • Buyers • Visual Promotion Directors • Textile Testers (For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Arts in Family and Consumer Sciences
This degree offers six options:
• Child Development and Family Studies
• Consumer Affairs
• Family and Consumer Sciences Education
• Family Life Education
• Fashion Merchandising
• Textiles and Clothing
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
• Nutrition and Dietetics
• Food Science
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Bachelor of Science in Hospitality, Foodservice and Hotel Management
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Option in Fashion Merchandising (120 units)
Take all of the following courses:

CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

CHEM 100 Chemistry and Today’s World (4)
Prerequisites: One GE Foundation course (GE categories A1, A2, A3 or B2).

ECON 100 Principles of Macroeconomics (3)
Prerequisites: MATH 103 or higher and one GE Foundation course.

FCSE 299 Intro to Family and Consumer Sciences (1)
Prerequisites: None.

FCSE 499 Professionalism & Leadership in FCS (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course work in Family and Consumer Sciences.

FMD 155 Introduction to the Fashion Industry (3)
Prerequisites: None.

FMD 251 Fashion Strategies for Consumers (3)
Prerequisites: GE Foundation requirements.

FMD 253 Introductory Textiles (3)
Prerequisites: None.

FMD 255 Fashion Industry Ethics and Social Responsibility (3)
Prerequisites: A grade of “C” or better in FMD 155.

FMD 258 Fashion Merchandising and Design Practicum (3)
Prerequisites: A grade of “C” or better in FMD 154 or 252, 155, 251.

FMD 350 Fashion Forecasting (3)
Prerequisites: A grade of “C” or better in FMD 258 and FMD 296.

FMD 351 Fashion Promotion and Sales (3)
Prerequisites: A grade of “C” or better in FMD 258, FMD 296.

FMD 353 Intermediate Textiles (3)
Prerequisites: A grade of “C” or better in CHEM 100, FMD 253, and FMD 296.

FMD 355 Fashion Buying (3)
Prerequisites: Computer Proficiency Exam pass; a grade of “C” or better in ACCT 201, FMD 155, and FMD 258.

FMD 451 The Fashion Customer (3)
Prerequisites: A grade of “C” or better in FMD 351.

FMD 455 International Fashion Retailing(3)
Prerequisites: A grade of “C” or better in FMD 351; senior standing.

FMD 457 Global Sourcing for the Fashion Industry (3)
Prerequisites: A grade of “C” or better in ECON 100; senior standing.

FMD 492E Internship in Fashion Merchandising (3)
Prerequisites: A grade of “C” or better in FMD 451, 455, or 457; senior standing, a 2.5 overall GPA or a 3.0 major GPA, approval of a FMD faculty advisor and consent of instructor.
Take three of the following courses:
FCSE 490B New York Fashion Study Tour
Prerequisites: None.
FCSE 490 Selected Topics in Family and Consumer Sciences Education (1-3)
Prerequisites: None.
FCSE 497 Directed Study
Prerequisites: Upper division standing, consent of instructor.
FMD 356 Fashion Retail Management (3)
Prerequisites: A grade of "C" or better in FMD 355.
FMD 450 Cultural Perspectives of Dress (3)
Prerequisites: GE Foundation requirements; a grade of "C" or better in ANTH 120 or SOC 100 or 142 and upper-division standing.
FMD 456 Historic Perspectives of Fashion
Prerequisites: A grade of "C" or better in FMD 251, FMD 253 and in AH 111A or HIST 131; senior standing.
FMD advisor approved fashion study abroad course
Take one of the following courses:
HIST 131 Early Western Civilization (3)
Corequisites: ENGL 101.
AH 111A Foundation Art History I (3)
Prerequisites: One GE Foundation course.

Take one of the following courses:
SOC 100 Principles of Sociology (3)
Prerequisites/Corequisites: A GE Foundation course.
SOC 142 Social Trends and Problems (3)
Prerequisites/Corequisites: ENGL 100 or PSY 130 or equivalent.
ANTH 120 Introduction to Cultural Anthropology (3)
Prerequisites/Corequisites: Any GE Foundation course.

Take one of the following courses:
FMD 256 Computer Applications for Family and Consumer Sciences Professions (3)
Prerequisites: Family and Consumer Sciences Education majors: ETEC 444; Fashion Merchandising majors: a grade of "C" or better in FMD 154 or 252, and 155; and Computer Proficiency Exam passage; Textiles and Clothing majors: A grade of "C" or better in FMD 152, 154, and 155; and Computer Proficiency Exam passage.
ART 149 Foundation Computer Art (3)
Prerequisites: ART 130.

Take one of the following courses:
FMD 154 Fundamentals of Apparel Production (3)
Prerequisites: None.
FMD 252 Analysis, Evaluation and Comparison of Ready-to-Wear (3)
Prerequisites: None.

Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

**Minor in Fashion Merchandising**

Take 18 units including the following:
FMD 155 Introduction to the Fashion Industry (3)
Prerequisites: None.
FMD 252 Analysis, Evaluation and Comparison of Ready-to-Wear (3)
Prerequisites: None.

Take one of the following:
FMD 455 International Fashion Retailing (3)
Prerequisites: A grade of "C" or better in FMD 351; senior standing.
FMD 457 International Textiles and Apparel (3)
Prerequisites: A grade of "C" or better in ECON 100; senior standing.

Take 9 units (at least 6 upper-division units) from the following:
FMD 251, 253, 351, 355, 492E as approved by a Fashion Merchandising and Design faculty advisor.

Adhere to prerequisites below, some fulfill GE requirements:
1. Prerequisites for FMD 351: FMD 258 and FMD 296.
2. Prerequisites for FMD 353: ELM passage, ACCT 101; FMD 155, 258; and Computer Proficiency Exam passage, or consent of instructor.
3. Prerequisites for FMD 457: FMD 351, senior standing.
4. Prerequisites for FMD 457: A grade of "C" or better in ECON 100 (fulfills G.E. Category D2b) and FMD 353, senior standing.
5. Prerequisites for FMD 492E: FMD 451, 455 or 457.

The Minor in Fashion Merchandising is available to any non-Fashion Merchandising and Design major.

**Option in Textiles and Clothing**
(120 units)

Take all of the following courses:
CAFF 321 Intro to Family and Consumer Sciences (1)
Prerequisites: None.
CAFF 499 Professionalism and Leadership in Family and Consumer Sciences (2)
Prerequisites: FCSE 299, 12 units of upper division course work in Family and Consumer Sciences.
FMD 152 Quick Sketch for Fashion (1)
Prerequisites: None.
FMD 154 Fundamentals of Apparel Production (3)
Prerequisites: None.
FMD 155 Introduction to the Fashion Industry (3)
Prerequisites: None.
FMD 251 Fashion Strategies for Consumers (3)
Prerequisites: GE Foundation requirements.
FMD 253 Introductory Textiles (3)
Prerequisites: None.
FMD 256 Intermediate Apparel Production (3)
Prerequisites: A grade of "C" or better in FMD 154, 155 or 251.
FMD 257 Introduction to Apparel Flat Pattern (3)
Prerequisites: A grade of "C" or better in FMD 154, 155 or 251.
FMD 258 Fashion Merchandising and Design Practicum (3)
Prerequisites: A grade of "C" or better in FMD 154 or 252, 155, 251.
FMD 353 Intermediate Textiles (3)  
Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

FMD 354 Apparel Tailoring (3)  
Prerequisites: FMD 256 and 257.

FMD 357 Advanced Apparel Flat Pattern (3)  
Prerequisites: A grade of "C" or better in FMD 253 and 354.

FMD 359 Advanced Computer Applications for Fashion (2)  
Prerequisites: FMD 296 and FMD 152 which must be completed with a grade of "C" or better in each. Open only to Textiles and Clothing majors.

FMD 452 Apparel Draping (3)  
Prerequisites: A grade of "C" or better in FMD 353, 357 and 359.

FMD 454 Experimental Apparel Design (3)  
Prerequisites: A grade of "C" or better in FMD 452.

FMD 456 Historic Perspectives of Fashion (3)  
Prerequisites: A grade of "C" or better in FMD 251, FMD 253 and in AH 111A or HIST 131; senior standing.

FMD 457 Global Sourcing for the Fashion Industry (3)  
Prerequisites: A grade of "C" or better in ECON 100; senior standing.

FMD 458 Fashion Product Development (3)  
Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

FMD 459 Computerized Apparel Flat Pattern (3)  
Prerequisites: A grade of "C" or better in FMD 357, 359.

FMD 492M Internship in Apparel Design (3)  
Prerequisites: A grade of "C" or better in FMD 452 or 454. Must have senior standing, a 2.5 overall GPA or a 3.0 major GPA, approval of a faculty advisor in Fashion Merchandising and Design and consent of instructor.

Take one of the following courses:

HIST 131 Early Western Civilization (3)  
Corequisite: ENGL 100.

AH 111A Foundation Art History I (3)  
Prerequisites: One GE Foundation course.

Take one of the following courses:

SOC 100 Principles of Sociology (3)  
Prerequisites/Corequisites: A GE Foundation course.

SOC 142 Social Trends and Problems (3)  
Prerequisites/Corequisites: ENGL 100 or PSY 130 or equivalent.

ANTH 120 Introduction to Cultural Anthropology (3)  
Prerequisites/Corequisites: Any GE Foundation course.

Take one of the following courses:

FMD 296 Computer Applications for Family and Consumer Sciences Professions (3)  
Prerequisites: Family and Consumer Sciences Education majors: ETEC 444; Fashion Merchandising majors: a grade of "C" or better in FMD 154 or 252 and 155; and Computer Proficiency Exam passage; Textiles and Clothing majors: A grade of "C" or better in FMD 152, 154, and 155; and Computer Proficiency Exam passage.

ART 149 Foundation Computer Art (3)  
Prerequisites: ART 130.

Each course on the student's program planner must be completed with a grade of "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.

Minor in Textiles

Take 18 units including the following:

Take all the following courses:

- FMD 155 Introduction to the Fashion Industry (3)  
  Prerequisites: None.

- FMD 253 Introductory Textiles (3)  
  Prerequisites: None.

- FMD 353 Intermediate Textiles (3)  
  Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.

- FMD 457 International Textiles and Apparel (3)  
  Prerequisites: A grade of "C" or better in ECON 100; senior standing.

- FMD 458 Fashion Product Development (3)  
  Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing.

Take 3 units selected from the following:

- FMD 450 Cultural Perspectives of Dress (3)  
  Prerequisites: GE Foundation requirements; a grade of "C" or better in ANTH 120 or SOC 100 or 142 and upper-division standing.

- FMD 492E Internship in Fashion Merchandising (3)  
  Prerequisites: A grade of "C" or better in FMD 451, 455, or 457. Senior standing, a 2.5 overall GPA or a 3.0 major GPA, approval of a FMD faculty advisor and consent of instructor.

It is the student's responsibility to adhere to all prerequisites listed below. It should be noted that several prerequisites fulfill general education requirements.

1. Prerequisites for FMD 353: FMD 253, FMD 296 and CHEM 100 or 111A (fulfills G.E. Category B1b).
2. Prerequisites for FMD 450: (fulfills G.E. Category D2 and Global): Completion of GE Foundation courses; ANTH 120 or SOC 100 or 142 (fulfills G.E. Category D2) and upper division standing or consent of instructor.
3. Prerequisites for FMD 457: ECON 100 and 101 or ECON 300 (fulfills G.E. Category D2) and FMD 353, senior standing or consent of instructor.
4. Prerequisite for FMD 458: FMD 353, senior standing, or consent of instructor.
5. Prerequisite for FMD 492E: FMD 451, 455, or 457. The Minor in Textiles is available to any non-Fashion Merchandising or Textiles and Clothing major.

---

**Fashion Merchandising and Design Courses (FMD)**

**LOWER DIVISION**

152. Quick Sketch for Fashion (1)  
Technical drawings of garments and their design features. 
Letter grade only (A-F). (3 hours activity)

154. Fundamentals of Apparel Production (3)  
Analysis of the interrelationship of garment design and apparel construction. Application of theories and methods of apparel design to garment construction. 
Letter grade only (A-F). Only open to these majors: Textiles and Clothing (FCS_BA05); Fashion Merchandising (FCS_BA04); and Family and Consumer Sciences Education (FCS_BA02). (Lecture-discussion 2 hours, Laboratory 3 hours)
155. Introduction to the Fashion Industry (3)
Organization, structure and interrelationship of industries and services that comprise the business of fashion: terminology, designers, trade organizations and publications. Professional opportunities explored.
Letter grade only (A-F). (Lecture-discussion 3 hours)

251. Fashion Strategies for Consumers (3)
Prerequisites: GE Foundation requirements.
Apparel selection for professional and personal needs based on design, culture and fashion. Wardrobe analysis and coordination; consumer clothing guidelines.
(Lecture-discussion 3 hours)

252. Analysis, Evaluation and Comparison of Ready-to-Wear (3)
Analysis of the quality of materials, design and construction in ready-to-wear garments and accessories; comparison of processes involved in manufacturing, concepts of sizing, principles of fit; aids in buying and selling.
(Lecture-discussion 3 hours)

253. Introductory Textiles (3)
A consumer-oriented approach to textile selection, use, and care. Provides a basis for a logical, consistent rationale in choosing apparel and interior textiles. Explores careers within the international textile industry.
Letter grade only (A-F). (Lecture-discussion 3 hours)

255. Fashion Industry Ethics and Social Responsibility (3)
Prerequisite: A grade of "C" or better in FMD 155.
Ethical issues within the fashion industry. Focus will be on decision-making processes which lead to outcomes that have ethical implications as well as potential consequences or benefits.
Letter grades only (A-F).

256. Intermediate Apparel Production (3)
Prerequisites: A grade of "C" or better in FMD 154, 155 or 251.
Continuation of construction techniques used in apparel production with concentration on current fabrics and techniques used in contemporary ready-to-wear.
(1 hour discussion, 6 hours laboratory).

257. Introduction to Apparel Flat Pattern (3)
Prerequisites: A grade of "C" or better in FMD 152, 154, 155 or 251.
Introduction to the design concept as it applies to flat pattern manipulation.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

258. Fashion Merchandising and Design Practicum (3)
Prerequisites: A grade of "C" or better in FMD 154 or 252, 155, 251.
Structured fashion retail work/learning experience designed to develop competencies in retail management or related fields. Students must obtain fashion retail sales position by first class period.
Letter grade only (A-F). (Lecture-activity 3 hours)

296. Computer Applications for Family and Consumer Sciences Professions (3)
Prerequisites: Family and Consumer Sciences Education majors: ETEC 444; Fashion Merchandising majors: a grade of "C" or better in FMD 154 or 252 and 155; and Computer Proficiency Exam passage; Textiles and Clothing majors: A grade of "C" or better in FMD 152, 154, and 155; and Computer Proficiency Exam passage.
Use of computer paint-style, illustration/processing software and scanners to develop proficiency in drawing and designing for the workplace. Work with clip art, make technical drawings, storyboards, and color/fabric cards.
Letter grade only (A-F). (1 hour lecture-discussion, 4 hours activity) Not open to students with credit in: FCSE 296

UPPER DIVISION

350. Fashion Forecasting (3)
Prerequisites: A grade of "C" or better in FMD 258 and FMD 296.
Introduces the forecasting disciplines used in the fashion industries which support both short-term, tactical decisions and long-term strategic ones. Covers the process of gathering data then organizing, analyzing, and synthesizing them into actionable forecasts.
Letter grade only (A-F).

351. Fashion Promotion and Sales (3)
Prerequisites: A grade of "C" or better in FMD 258, FMD 296.
Concepts, practices and procedures related to fashion promotion. Includes planning, directing and evaluating promotion activities such as visual merchandising, special events, publicity, and personal and non-personal selling.
(Discussion 3 hours)

353. Intermediate Textiles (3)
Prerequisites: A grade of "C" or better in CHEM 100, FMD 253, and FMD 296.
Interrelationship of fiber, yarn, structure, fabric geometry and finishing treatments to the textile's appearance, comfort, durability and maintenance.
Letter grade only (A-F). (Lecture-discussion 2 hours, Lab 3 hours)

354. Apparel Tailoring (3)
Prerequisites: A grade of "C" or better in FMD 256 and 257.
Analysis of traditional and contemporary processes in the design and production of tailored apparel. Application of apparel design and production process for couture, ready-to-wear, and individually produced garments.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

355. Fashion Buying (3)
Prerequisites: Computer Proficiency Exam passage; a grade of "C" or better in ACCT 201, FMD 155, and FMD 258.
Concepts, practices and procedures as well as calculations and computer applications as they relate to apparel retail profit. Includes inventory methods, operating statements and purchase planning procedures.
Letter grade only (A-F). (3 hours lecture activity )

356. Fashion Retail Management (3)
Prerequisites: A grade of "C" or better in FMD 355.
Explores current retail environments, problem-solving, and decision-making strategies for retailing apparel and textiles products. Covers the importance of communication skills, human resource management, and other concepts impacting retail management such as target market analysis and assortment plans.
Letter grade only (A-F). (3 hours seminar)

357. Advanced Apparel Flat Pattern (3)
Prerequisites: A grade of "C" or better in FMD 253 and 354.
Exploration of the total design concept as it applies to pattern manipulation.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

359. Advanced Computer Applications for Fashion (2)
Prerequisites: FMD 296 and FMD 152 which must be completed with a grade of "C" or better in each. Open only to Textiles and Clothing majors.
Students refine their proficiency in drawing and designing apparel garments and fashion illustrations using computer paint-style and illustration software.
Letter grade only (A-F). (6 hours activity)
450. Cultural Perspectives of Dress (3)
Prerequisites: GE Foundation requirements; a grade of "C" or better in ANTH 120 or SOC 100 or 142 and upper-division standing.
Factors influencing design of textiles and apparel, techniques of textile and apparel production, and human behavior in the selection of dress in societies and cultural groups. Emphasis on symbolism of textiles and clothing designs as a communicative device for expressing social and cultural values. Impact of other cultures on western dress and impact of western dress on other apparel systems.
May be used to satisfy the GWAR. (Seminar 3 hours)

451. The Fashion Customer (3)
Prerequisites: A grade of "C" or better in FMD 351.
Overview of theories on behavior of fashion customers and impact on fashion marketing strategies. Practical application on how to identify specific needs of fashion customers. Examination of impact of marketplace on fashion customers and of laws which protect them.
Letter grade only (A-F). (3 hours lecture discussion)

452. Apparel Draping (3)
Prerequisites: A grade of "C" or better in FMD 353, 357, and 359.
Exploration of the total design concept as it applies to fabric manipulation.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

454. Experimental Apparel Design (3)
Prerequisites: A grade of "C" or better in FMD 452.
Exploration of clothing design and production through the experimental process. Individual investigation of the creative design process; evaluation of equipment; experiences with a variety of fabrics and techniques.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 3 hours)

455. International Fashion Retailing (3)
Prerequisites: A grade of "C" or better in FMD 351; senior standing.
Application of merchandising concepts for promotion and selling of fashion goods and apparel in global retail organizations.
Letter grade only (A-F). (Lecture/Discussion 3 hours)

456. Historic Perspectives of Fashion (3)
Prerequisites: A grade of "C" or better in FMD 251, FMD 253, and in AH 111A or HIST 131; senior standing.
Social, political, economic, geographic and religious forces that affect styles of fashion from antiquity to the present day. Emphasis is on the relationship of historic styles to current fashion. Primary focus is on the fashion influences of the western world.
Letter grade only (A-F). (Seminar 3 hours)

457. Global Sourcing for the Fashion Industry (3)
Prerequisites: A grade of "C" or better in ECON 100; senior standing.
Provides a framework whereby students critically examine the global textiles and apparel industry with emphasis on acquiring basic concepts of global trade. Current processes of globalization are analyzed including the importance of outsourcing.
Letter grade only (A-F). (Lecture-discussion, 3 hours)

458. Fashion Product Development (3)
Prerequisites: A grade of "C" or better in FMD 296 and FMD 353; senior standing. Only open to Textiles and Clothing majors (FCS_BA05). Open to Fashion Merchandising majors (FCS_BA04) by permit only.
The process of designing and engineering fashion products to be serviceable, producible, salable and profitable for various consumer market segments.
(Discussion 3 hours) Letter grade only (A-F).

459. Computerized Apparel Flat Pattern (3)
Prerequisites: A grade of "C" or better in FMD 357, 359.
Use of computer aided design software for apparel pattern development.
Letter grade only (A-F). Not open for credit to students with credit in FMD 352. (Laboratory 6 hours)

492E. Internship in Fashion Merchandising (3)
Prerequisites: A grade of "C" or better in FMD 451, 455, or 457. Student must be a major in Family and Consumer Sciences in the option of Fashion Merchandising; have senior standing, a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Fashion Merchandising and Design, and consent of instructor.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)

492M. Internship in Apparel Design (3)
Prerequisites: A grade of "C" or better in FMD 452 or 454. Student must be a major in Family and Consumer Sciences in the option of Textiles and Clothing; have senior standing, a 2.5 overall GPA or a 3.0 major GPA, approval of a faculty advisor in Fashion Merchandising and Design, and consent of instructor.
May be repeated for 6 units maximum. Letter grade only (A-F).
(Seminar 3 hours)
FOOD SCIENCE
College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs

Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty
Administrative Support Coordinators: Mikal Lok, Marina Bendersky
Instructional Support Technician: Bonnie Rice

Career Possibilities
Principal Food Scientist • Research Associate • Food and Packaging Engineer • Quality Assurance Manager • Research and Development Chemist • Quality Control Chemist • Laboratory Supervisor • Plant Manager • Food and Drug or USDA Inspector • Food Product Evaluator • Food and Ingredient Sales Representative • Research and Product Development, Food Formulation and Processing • Consumer Safety • Sensory Evaluation • Quality Assurance • Government Organization • Food Ingredient Sales and Marketing
(Some of these, and other careers, require additional education or experience. For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Science in Dietetics and Food Administration
This degree offers two options:
• Nutrition and Dietetics
• Food Science
Degree and certificate information and requirements are listed under each option alphabetically in this catalog.

Option in Food Science (120 units)
The Food Science curriculum has an interdisciplinary focus which includes food science, food processing, sensory evaluation, nutrition, chemistry, and microbiology, plus a variety of supporting course work in related disciplines. All courses are designed to develop an understanding of the physical and chemical nature of foods and how it relates to the food industry and consumer safety. The food industry careers awaiting graduates offer diverse opportunities as the world supply expands with technological developments.

Prerequisites
Take the following course or a passing score on the Chemistry Placement Examination:
CHEM 101 Introduction to General Chemistry (4)
Prerequisites/Corequisites: MATH 113 or 117 or 119A or 122.

Requirements
Take all of the following courses:
BIOL 207 Human Physiology (4)
Prerequisites: GE Foundation requirements.
CHEM 111A General Chemistry (5)
Prerequisites: A passing score on the Chemistry Placement Examination (credit in CHEM 101 does not substitute for a passing score on the Chemistry Placement Examination), and a "C" or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended.
CHEM 327 Fundamentals of Organic Chemistry (3)
Prerequisites: CHEM 111A with a grade of "C" or better; CHEM 111B is recommended.
CHEM 448 Fundamentals of Biological Chemistry (3)
Prerequisites: CHEM 327 or 322B either with a grade of "C" or better.
MATH 113 Precalculus Algebra (3)
Prerequisites: Appropriate ELM score, ELM exemption or MAPB 11.
MICR 200 General Microbiology (4)
Prerequisites: CHEM 111A or 140 with a grade of "C" or better and GE Foundation requirements.
MICR 429 Epidemiology of Infectious Diseases (3)
Prerequisites: BIOL 260; MICR 320, 322; all of a grade of "C" or better. (Undergraduates enroll in MICR 429; graduates enroll in MICR 529.)
CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.
FCSE 299 Introduction to FCS (1)
Prerequisites: None.
FCSE 486 Instructional Strategies for Family and Consumer Sciences Professionals (3)
Prerequisites: Senior standing.

FCSE 499 Professionalism and Leadership in FCS (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course work in Family and Consumer Sciences.

FSCI 332 Food Science (3)
Prerequisites: CHEM 327; HFHM 235; MICR 200 or equivalent.

FSCI 338 Introduction to Food Processing (3)
Prerequisites: FSCI 332.

FSCI 432 Food Analysis (3)
Prerequisites: CHEM 327, FSCI 332 or equivalent.

FSCI 435 Food Processing, Preservation and Packaging (3)
Prerequisites: FSCI 332 or consent of instructor.

FSCI 492F Internship in Food Science (3)
Prerequisites: Senior standing; a 2.5 overall GPA or a 3.0 major GPA; approval of faculty advisor in Food Science; and FSCI 332.

Take 3 units from the following:
FCSE 497 Directed Studies
Prerequisites: Upper division standing, consent of instructor.

MICR 429 Epidemiology of Infectious Diseases
Prerequisites: BIOL 260; MICR 320, 322; all of “C” grade or better.

NUTR 336 Cultural Aspects of Food and Nutrition (3)
Prerequisites: PSY 100 or SOC 100 or ANTH 120 or equivalent; NUTR 132.

Take one of the following courses:
ED P 419 Educational Statistics (3)
Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

H SC 403 Community Health Statistics (3)
Prerequisites: GE Math and SOC 250 or PSY 210 or equivalent.

Take one of the following courses:
ENGL 101 Composition (3)
Prerequisites: ENGL 100.

ENGL 317 Technical Communication (3)
Prerequisites: GE Foundation requirements, upper-division standing, and a previous composition course, i.e., ENGL 100, 101, 102, 300, or equivalents.

Take one of the following courses:
PSY 100 General Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

SOC 100 Principles of Sociology (3)
Prerequisites/Corequisites: A GE Foundation course.

Take 9 units from the following courses:
CHEM 111B; FCSE 497; NUTR 331B; HFHM 275, 477; IS 233.

Minor in Food Science
Preparation for employment in the Food Science Industry may be developed through completion of this program of study. Eighteen units including:
Take all the following:
FSCI 332 Food Science (3)
Prerequisites: CHEM 327; HFHM 235; MICR 200 or equivalent.

FSCI 338 Introduction to Food Processing (3)
Prerequisites: FSCI 332.

FSCI 432 Food Analysis (3)
Prerequisites: CHEM 327, FSCI 332 or equivalent.

FSCI 435 Food Processing, Preservation and Packaging (3)
Prerequisites: FSCI 332 or consent of instructor.

FSCI 492F Internship in Food Science (3)
Prerequisites: Senior standing; a 2.5 overall GPA or a 3.0 major GPA; approval of faculty advisor in Food Science; and FSCI 332.

Take 3 units from the following:
FCSE 497 Directed Studies
Prerequisites: Upper division standing, consent of instructor.

MICR 429 Epidemiology of Infectious Diseases
Prerequisites: BIOL 260; MICR 320, 322; all of “C” grade or better.

NUTR 336 Cultural Aspects of Food and Nutrition (3)
Prerequisites: PSY 100 or SOC 100 or ANTH 120 or equivalent; NUTR 132.

Adhere to prerequisites below, some fulfill GE requirements:
1. CHEM 111A is a prerequisite for CHEM 327;
2. HFHM 235, CHEM 327, and MICR 200 are prerequisites for FSCI 332;
3. FSCI 332 is a prerequisite for FSCI 338, 432, 435, and 492F;
4. PSY 100 or SOC 100 or ANTH 120 or equivalent and NUTR 132 are prerequisites for NUTR 336;
5. BIOL 260, MICR 320 & 322 are prerequisites for MICR 429.

The Minor in Food Science is available to any non-Food Science major.

Food Science Courses (FSCI)

UPPER DIVISION

330. Dairy Science (2)
Prerequisites: NUTR 132, HFHM 235.
Study of dairy science from chemical microbiological, processing, nutritional values, and economic standpoints. Integration of recent technology as implemented to feature marketed dairy products both traditional and contemporary.
(Lecture-discussion 2 hours.)

332. Food Science (3)
Prerequisites: CHEM 327; HFHM 235; MICR 200 or equivalent.
Composition and structure of foods: chemical changes in foods that affect their color, flavor, texture, aroma, and nutritive quality during processing and preparation; techniques for food preservation.
Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours.)

338. Introduction to Food Processing (3)
Prerequisites: FSCI 332.
Study of industrial concepts of food processing. Raw agricultural commodities through the production phases to a final product acceptable to consumers. (The course may include limited visitations to food preparation sites.)
(Lecture-discussion 3 hours.)
432. Food Analysis (3)
Prerequisites: CHEM 327, FSCI 332 or equivalent.
Application of scientific methods of food analysis. Ingredients, proportions, and techniques in food preparation affect the quality of products. Experimental laboratory problems.
Letter grade only (A-F). Course fee may be required. (Seminar 2 hours, Laboratory 3 hours.)

435. Food Processing, Preservation and Packaging (3)
Prerequisites: FSCI 332 or consent of instructor.
Methods and technological aspects in food processing, preservation and packaging. Application of principles and assessment of nutrition. Evaluation of chemical additives. Microbiological aspects of food.
(Lecture - discussion 2 hours, laboratory 3 hours.)

469. Food Product Development (1)
Prerequisites: FSCI 332, or consent of instructor.
Industrial concepts and technology as they apply to food product development and formulation. Includes principles of new product development, ingredient replacements, and product improvements. Development of a prototype, ingredient interaction, and product cost analysis.
Letter grade only (A-F). (Seminar 1 hour)

492F. Internship in Food Science (3)
Prerequisites: Student must be a Family and Consumer Sciences: Food Science major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Food Science; and FSCI 332. Each prerequisite course must be completed with a grade of "C" or better.
Field experience in which student assumes a pre-professional role in professional setting. Objectives by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for a maximum of 6 units. (Seminar 3 hours)
GERONTOLOGY
College of Health and Human Services

Director: Barbara White
Department Office: Family and Consumer Sciences Faculty (FCS)
Addition, Room 014
Telephone / FAX: (562) 985-1582 / 985-4414
Email: bwhite@csulb.edu
Administrative Support Coordinators: Mikal Lok
Instructional Support Technician: Bonnie Rice
Faculty Interest Group: Cleothy Arellano, Lee Blecher, Kay Cerny, Young-Hee Cho, Maria Claver, Tom Crowe, Shelley Ericksen, Janet Fisher, Mohammed Forouzesh, Gail Frank, Robert Fries (emeritus), Agathi Glezakos, William Goeller, Sharon Guthrie, Judy Hails, Joellen Hartley, Carol Itatani, Hazel Jackson (emerita), Mary Jacob (emerita), K. J. James, Maridith Janssen, Barry Lavay, Marge Lichty, Tracey Mayfield, Olfat Mohamed, Clyde Pentz, Marilyn Potts, Molly Ranney, Wendy Reiboldt, Pamela Roberts, Jan Schroeder, David Schult, Donna Schwab, Savitri Singh-Carlson, Lydia Sondhi, Monica Tenhunen, Kim-Phong Vu, Eileen Watson, Barbara White, Mary Wolfinbarger

Career Possibilities
General: social services agencies; health care institutions; government agencies; retirement communities; educational and research settings; professional organizations; business and industry; religious organizations; the arts and sciences.
Direct Service: developing programs; providing direct care; teaching in community settings; counseling; advising about estate planning, long-term care administration; advocating for older adults.
Indirect Service: analyzing issues related to older persons; planning, administering, and evaluating community-based and health related services; writing grants; teaching; advocating before legislative bodies; designing products; developing marketing strategies; consulting.

Introduction
Gerontology is the scientific study of the processes and phenomena of aging. The Gerontology Program's mission is to improve the lives of middle aged and older individuals; provide training, consultation and other services; and conduct research.

The Gerontology Program is enhanced by the Gerontology Faculty Interest Group, the Center for Successful Aging and a chapter of Sigma Phi Omega, The National Academic Honor and Professional Society in Gerontology. Students in the Gerontology Program are eligible for membership in Sigma Phi Omega.

The Center for Successful Aging is part of a complex of centers and organizations on the campus of California State University, Long Beach that are involved with aging-related issues. The Center is a transdisciplinary academic/community partnership to promote collaborative innovations in education, practice, policy development and research.

Master of Science in Gerontology
Interested students should contact Dr. Barbara White at 562-985-1582 or bwhite@csulb.edu

This program is designed to prepare students with a thorough background in existing theory and research in gerontology, advanced principles of program management, and an enhancement to their baccalaureate preparation for their professional discipline.

Admission Requirements
1. Complete the application form to be admitted to the university with graduate standing;
2. Send the following materials to the Gerontology Program, in addition to those sent to the Office of Enrollment Services:
   • Three letters of recommendation reflecting academic potential, personal qualifications, sensitivity, and evidence of ability and motivation to work with older adults and professionals in the field of aging,
   • A current résumé, including education, employment, and volunteer activities,
   • A personal statement of interest in aging and career goals in the field.

Admission to the program is contingent on approval by the Gerontology Program Director.

Prerequisites
1. A bachelor's degree from an accredited institution.
2. Evidence of a 3.0 or better grade point average in all undergraduate work. Students with less than a 3.0 grade point average in the last 60 undergraduate semester or 90 quarter units attempted but with evidence of professional promise and experiential background may be admitted conditionally by action of the Program Director.
3. Successful completion of the following courses or their approved substitutes:
   Take the following courses:
   • GERN 400I Perspectives on Gerontology (3) may be taken upon program admission
   • an approved upper-division statistics course may be taken within the first year of the program.

Retention
1. Maintain a 3.0 or better grade point average in all graduate work completed at CSULB and all approved graduate work transferred to meet graduate requirements.
2. Continuous satisfactory progress toward the degree objective.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy.
2. Fulfill the Graduation Writing Assessment Requirement (GWAR) (to be taken during the first term).
3. Complete a minimum of six units of graduate level coursework in gerontology.
4. Be enrolled during the term in which advancement to candidacy takes place.
5. Obtain approval for one's individual program plan from the Gerontology Program Director and then from the Associate Dean of the College of Health and Human Services.
Certificate in Gerontology

Interested students should contact Dr. Maria Claver at 562-985-4495 or mclaver@csulb.edu

This program is designed to educate individuals as gerontology specialists within a major area of study. Graduates work in community programs, health services organizations, government agencies, and the private sector.

The Certificate in Gerontology may be earned in conjunction with a baccalaureate degree or awarded subsequent to earning a bachelor’s degree. Be aware that this program is not eligible for Financial Aid unless pursued concurrently with a CSULB degree program. Up to six units of courses taken in the student’s major department may be approved to satisfy certificate requirements as may general education and elective courses also used to complete the bachelor’s degree if they contain appropriate gerontology content.

Please be aware that this program is not eligible for Financial Aid unless pursued concurrently with a degree program.

Requirements

1. Consult with the Gerontology Certificate Coordinator to add the Certificate in Gerontology to the major program of study.
2. A bachelor’s degree in any major (may be taken concurrently)
3. A minimum GPA of 2.5
4. 24 units distributed as follows
   A. Take 15 required units including the following:
      - GERN 400I Perspectives on Gerontology (3) (meets GE Capstone requirement)
        Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
      - ANTH 454 Culture and Aging (3)
        Prerequisites: None.
      - GERN 492G Internship in Gerontology (3)
        Prerequisites: Senior standing; have a 2.5 GPA overall or a 3.0 major GPA; approval of the Gerontology Certificate Coordinator; and GERN 400I, ANTH 454, PSY 365 or HDEV 357I. Each prerequisite course must be completed with a grade of “C” or better.
      - Take one of the following:
        - BIOL 301 Biology of Human Aging (3)
          Prerequisites: BIOL 200 or 205 or 207 all with a grade of “C” or better.
        - GERN 482/582 Health Assessment of the Aging Client (3)
          Prerequisites: GERN 400I or equivalent and upper division standing or consent of instructor.
      - Take one of the following:
        - PSY 365 Psychology of Adult Development and Aging (3)
          Prerequisites: PSY 100, GE Foundation requirement and upper division standing.
        - HDEV 357I Approaches to Adulthood Through Aging (3) (meets GE Capstone requirement)
          Prerequisites: GE Foundation requirements, upper-division standing, ANTH 120 or HDEV 180 or PSY 100 or SOC 100.
   B. Take a minimum of nine units chosen in consultation with the Gerontology Certificate Coordinator from a list of approved elective courses (three to six units of appropriate coursework in the major field may partially...
fulfill this requirement). Three units may be fulfilled by taking GERN 497 or an approved substitute.  
5. Application for the Certificate in Gerontology through completion of the appropriate Program Planner in consultation with the Gerontology Certificate Coordinator. This must be done in the semester prior to the completion of the certificate to assure timely issuance.

Courses (GERN)

UPPER DIVISION

400I. Perspectives on Gerontology (3)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
Multidisciplinary study of middle age and aging. Includes physiological, psychological, political, economic and sociological aspects. Effects of culture and environment on aging; history and demographics; health issues.
(Lecturer-discussion, 3 hours.)

420./520. Personal Finance for the Aging (3)
Prerequisites: 400-level course in Consumer Affairs or consent of instructor.
Personal finance as applied to the aging population.
Same course as CAFF 420. Not open for credit to students with credit in CAFF 420. (Lecture-discussion 3 hrs)

430./530. Aging and Dementia (3)
Prerequisites: GERN 400I, HDEV 357I or PSY 365, or graduate standing, or consent of instructor.
An examination of physiological, psychological, social and economic aspects of dementia and its impact on the individual, the family and society. Community resources, current research and policy issues are included, with a particular emphasis on Alzheimer's disease.

439./539. Nutrition and Aging (3)
Prerequisites: NUTR 132 or BIOL 207 or 301 or GERN 400I or consent of instructor.
Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.
Letter grade only (A-F). Same course as NUTR 439. Not open for credit to students with credit in NUTR 439.

469./569. Disability, Culture and Society: Issues and Intervention (3)
Prerequisites: Senior or graduate standing.
Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.
Letter grade only (A-F). Same course as REC 469. Not open for credit to students with credit in REC 469.

474. Global Aging (3)
Prerequisite: GERN 400I.
Course Description: Examines aspects of individual and societal aging around the world, including demography of aging, cultural perspectives, work and retirement, social welfare, health care, morbidity and mortality, long term care, caregiving, and death and dying.
Not open for credit to students with credit in GERN 574. (Lecture-activity 3 units)

482. Health Assessment of the Aging Client (3)
Prerequisites: GERN 400I or equivalent and upper division standing or consent of instructor.
Assessment of the physical, psychological and social status of the aging client as they affect health and well-being. Focuses on working with aging clients in a variety of settings to identify actual or potential health-related problems using various techniques.
Same course as NRSG 482. Not open for credit to students with credit in NRSG 482. (Lecture-discussion, 3 hours)

485. Mental Health and Aging (3)
Prerequisites: GERN 400I, HDEV 357I or PSY 365, ANTH 454, and BIOL 401, or consent of instructor.
Mental health status of older adults over time and within subgroups. Societal responses affecting diagnoses and assessments of competence. Common mental health issues of older adults. Comparison of medical and non-medical therapeutics.
Field trips may be required. (Seminar 3 hours)

492G. Internship in Gerontology (3)
Prerequisites: Student must be a Gerontology Certificate candidate; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of the Gerontology Certificate Coordinator; and GERN 400I, ANTH 454, PSY 365 or HDEV 357I. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with approval of the Area Coordinator.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. Same course as FCS 492G.

497. Directed Studies (1-3)
Prerequisites: GERN 400I, ANTH 454, PSY 365, or HDEV 357I, upper-division standing and consent of program director.
Independent study under the supervision of a faculty member. Exploration and experience supplementing and/or complementing regular courses.
May be repeated to a maximum of 6 units.

499. Selected Topics in Gerontology (1-3)
Group investigation of topics of current interest in gerontology. May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.

GRADUATE LEVEL

500. Introduction to the Professional Practice of Gerontology (3)
Prerequisite/Corequisite: GERN 400I or equivalent; graduate standing or consent of instructor.
Graduate level introduction to the professional practice of Gerontology. Emphasis is on application of theoretical concepts, research in practice, ethics, career path exploration, and development of leadership career related skills and resources.
Letter grade only (A-F). (Seminar 2 hours, activity 2 hours)

520./420. Personal Finance for the Aging (3)
Prerequisites: 400-level course in Consumer Affairs or consent of instructor.
Personal finance as applied to the aging population.
Same course as FCS 520. Not open for credit to students with credit in FCS 520. Letter grade only (A-F). (Lecture-discussion 3 hours)
530./430. Aging and Dementia (3)
Prerequisites: GERN 400I, HDEV 357I or PSY 365, or graduate standing, or consent of instructor.
An examination of physiological, psychological, social and economic aspects of dementia and its impact on the individual, the family and society. Community resources, current research and policy issues are included, with a particular emphasis on Alzheimer’s disease.

539./439. Nutrition and Aging (3)
Prerequisites: NUTR 132 or BIOL 207 or 301 or GERN 400I or consent of instructor.
Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.
Letter grade only (A-F). Same course as FCS 539. Not open for credit for students with credit in NUTR 439, FCS 539, or GERN 439.

550. Social Policy and Aging (3)
Prerequisites: GERN 400I, HDEV 357I or PSY 365, and ANTH 454 or consent of instructor.
Major legislation and policies affecting older Americans. Analyses of policy information and change, kinds of data, and social forces that affect development and implementation of aging-related policies and legislation.

563. Evaluation in Family and Consumer Sciences and Gerontology (3)
Prerequisites: Upper division or graduate course in statistics; GERN 696 (may be taken concurrently) or equivalent.
Principles, design, and methods of program evaluation for use by Family and Consumer Sciences and Gerontology professionals. Selection and development of instrumentation for data collection and interpretation and methods of reporting.
Letter grade only (A-F). Same course as FCS 563. Not open for credit to students with credit in FCS 563. (Seminar 3 hours)

569./469. Disability, Culture and Society: Issues and Social Intervention (3)
Prerequisites: Senior or graduate standing.
Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.
Letter grade only (A-F). Same course as REC 569 and SW 569. Not open for credit to students with credit in REC 569 and SW 569.

574. Global Aging (3)
Prerequisite: Graduate standing
Examines aspects of individual and societal aging around the world, including demography of aging, cultural perspectives, work and retirement, social welfare, health care, morbidity and mortality, long term care, caregiving, and death and dying.
Letter grade only (A-F). Not open for credit to students with credit in GERN 474.

582. Health Assessment of the Aging Client (3)
Prerequisites: GERN 400I or equivalent and graduate standing or consent of instructor.
Assessment of the physical, psychological and social status of the aging client as they affect health and well-being. Focuses on working with aging clients in a variety of settings to identify actual or potential health-related problems using various techniques.
Letter grade only (A-F). Not open for credit to students with credit in GERN 482 or NRSG 482.

592. Internship in Family and Consumer Sciences/ Gerontology (3)
Prerequisite: Graduate standing and consent of instructor.
Field experience in which student assumes a self directed responsible role in an agency, business or other community setting.
May be repeated to a maximum of 6 units. (Seminar 3 hours)
Letter grade only (A-F).

597. Independent Study (1-3)
Prerequisites: Graduate standing and consent of instructor.
Independent study under the supervision of a faculty member. Exploration or experience supplementing and/or complementing regular courses to meet student learning goals.
May be repeated for a maximum of six units in different semesters.
Letter grade only (A-F).

599. Selected Topics in Gerontology (1-3)
Prerequisites: Graduate standing
Group investigation of topics of current interest in gerontology.
May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the Schedule of Classes.

600. Seminar in Administration of Family and Consumer Sciences/Gerontology Programs (3)
Prerequisite: Graduate standing
Application of administration, management and leadership theories to family and consumer sciences/gerontology programs. Decision-making, organizational structures and evaluation concepts included.
Letter grade only (A-F). Same course as FCS 600. Not open for credit to student with credit in FCS 600.

610. Seminar in Current Issues, Trends and Research in Gerontology (3)
Prerequisite: Completion of all core courses except GERN 696, 697 or 698 any of which may be taken concurrently.
Students will undertake literature reviews and/or research to explore emerging issues, trends and research in the field of aging studies and/or update their information on the most current gerontological topics.
(Seminar 3 hours)

692. Gerontology Directed Project (4)
Prerequisite: GERN 697.
Students will acquire experiential skills under the guidance of a faculty advisor and supervisor/preceptor at an approved project site. Student will identify problems, design and assess a project or conduct research. Results will be presented in a thesis-style report.
Letter grade only (A-F).

696. Research Methods (3)
Prerequisite: Upper-division course in statistics.
Methodological approaches to contemporary research issues in Family and Consumer Sciences. Course focuses on the design, development, and implementation of a formal research-designed project.
Letter grade only (A-F). (Seminar 3 hours) Same course as FCS 696. Not open for credit to students with credit in FCS 696.

697. Directed Research (3)
Prerequisite: Advancement to candidacy, GERN 500-level courses in area of study, and GERN 696.
Independent investigation of research problems under the direction of a faculty member.
Letter grade only (A-F).

698. Thesis (4)
Prerequisite: GERN 697, advancement to candidacy.
Planning, preparation and completion of a thesis under supervision of a faculty member. Approval of thesis committee.
Letter grade only (A-F).
**HEALTH CARE ADMINISTRATION**
College of Health and Human Services

**Department Chair:** Tony Sinay
**Department Office:** Health and Human Services (HHS) 2, Room 118
**Telephone:** (562) 985-5694
**Faculty:** Erlyana Erlyana, Janice Frates, Brenda Freshman, Henry O'Lawrence, Grace Reynolds, Tony Sinay
**Administrative Coordinator:** Deby McGill

**Career Possibilities**
Provider Relations Director • Clinical Administrator • Financial Analyst • Director of Managed Care • Director of Nursing • Medical Facilities Section Director • Nursing Home Administrator • Medical Records Administrator • Social Welfare Administrator • Emergency Medical Services Coordinator • Public Health Director • Community Organization Director (For more information, see www.careers.csulb.edu.) Various entry-level trainee positions in the health care industry are available for graduates of undergraduate program.

**Introduction**
The mission of the Health Care Administration Department is to prepare professionals to manage, lead and improve a changing health care system. Our graduate and undergraduate programs are designed, and continually strive to improve their efforts, to meet the needs of the dynamic Southern California health care system, and to emphasize culturally appropriate patient-centered service delivery systems.

The department offers five programs:
1. Master of Science in Health Care Administration
2. Bachelor of Science in Health Care Administration
3. Master of Science in Nursing/Master of Science in Health Care Administration
4. Master of Science in Health Care Administration-Accelerated Program
5. Certificate in Health Care Administration

**Accreditation**
The graduate program is accredited by the Commission on Accreditation for Health Management Education (CAHME) and the undergraduate program is a fully certified member of the Association of University Programs in Health Administration (AUPHA).

**Undergraduate Programs**

**Bachelor of Science in Health Care Administration (120 units)**

**Admission Requirements**

**Prerequisites**
1. All students must complete a minimum of 13 semester units or the equivalent in prerequisite preparatory course for the major: ACCT 201, ECON 101 or 300, SOC 250 (or equivalent) and BIOL 200 (or equivalent). These courses may be taken after admission to the program. Computer proficiency in word processing, spreadsheet, database and presentation software is expected. Business calculus (MATH 115) is recommended.
2. An overall grade point average of 2.0 or higher is required for entrance into the program. A minimum grade of "C" is required for each prerequisite course.

**Graduation Requirements**
1. Complete the requirements for General Education
2. Complete the prerequisite courses
3. Complete the major core course requirements:
   - HSC 150 Medical Terminology (1)
     Prerequisites: None.
   - HSC 400 Principles of Epidemiology (3)
     Prerequisites: HSC 301, 403.
   - HCA 300 The Health Care System (3)
     Prerequisites: None.
   - HCA 312 Health Personnel Management (3)
     Prerequisite: Open to Health Care Administration majors only.
     Prerequisite/Corequisite: HCA 300.
   - HCA 340 Legal Aspects of Health Administration (3)
     Prerequisite: Open to Health Care Administration majors only.
     Prerequisite/Corequisite: HCA 300.
   - HCA 341 Financial Management of Health Care Institutions (3)
     Prerequisite: Open to Health Care Administration majors only and a grade of "C" or better in ACCT 201.
     Prerequisite/Corequisite: HCA 300.
   - HCA 353 Marketing for Health Services Organizations (3)
     Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ECON 101 or 300.
     Prerequisite/Corequisite: HCA 300.
   - HCA 410 Health Management and Organization (3)
     Prerequisites: Open to Health Care Administration majors only.
     Prerequisite/Corequisite: HCA 300.
   - HCA 416 Management and Information Systems (3)
     Prerequisite: Open to Health Care Administration majors only.
     Prerequisite/Corequisite: HCA 300.
   - HCA 450 Quality Assurance of Health Care (3)
     Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 300 and HCA 465.
   - HCA 465 Analysis and Evaluation of Health Care Services (3)
     Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in PSY 210 or SOC 250 or equivalent.
     Prerequisite/Corequisite: HCA 300.
   - HCA 480 Internship in Health Care Administration (3)
     Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 300, 312, 341, 410, 465 and HSC 150.
     HCA 481 Internship & Career Development in HCA (3)
     Prerequisites: Open to Health Care Administration majors only and HCA 480.
Certificate in Health Care Administration

The Certificate in Health Care Administration is comparable to a minor of 18 semester units and, with prerequisite course work, may require up to 24 semester units for completion. Components of the program include the forms of organization and operation of health care systems, human resources management, leadership and development, financial management, and marketing. The Certificate may be combined with major programs from a variety of fields including, but not limited to, behavioral and natural sciences, humanities, health professions, business and public administration, and social work and is conferred as a post-baccalaureate certificate (or concurrently with the BS/BA). The courses taken for the certificate (with a grade of "B" or better) may apply toward the MS program at the discretion of the Program Director.

Health care administrators are usually prepared at the masters' degree level for job entry into upper management. There is, however, increased emphasis to prepare health care professionals to function as managers at other levels as well. Increasingly, physicians are also seeking preparation in the elements of management. These diverse groups use management skills in the health services and related fields. These include hospitals, nursing homes, health departments, health maintenance organizations, health planning and regulatory agencies, health management and review companies, group medical practices, health insurance firms, pharmaceutical and medical supply companies.

Students may only pursue the certificate program in combination with a CSULB degree program.

Admission Requirements
1. Admission to the University
2. A bachelor's or advanced degree with transcripts (conferred or expected)
3. Consultation with the Program Director
4. A minimum of 18 units is required and may include:
   HCA 300, 312, 341*, 353+, 410 or the equivalent. At the graduate level HCA 502, 505, 510, 515, 530 or equivalent courses are considered for the certificate program.
   * Prerequisite: ACCT 201
   + Prerequisite: ECON 101

5. Complete electives as needed to total 120 semester units
6. Fulfill the Graduation Writing Assessment Requirement (GWAR)
7. Each major course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses for which it is not a prerequisite with approval of the Undergraduate Advisor.

Graduate Programs

Master of Science in Health Care Administration

Graduates of HCA degree programs will achieve and demonstrate the following competencies: health care knowledge, leadership, presentation skills (oral communication), written communication skills, career marketability, teamwork, managing change, conceptual skills, managerial decision making, ethical decision making, information management, interpersonal skills, independence, creativity and critical thinking, analytical skills, planning, advocacy and conflict management.

Admission Requirements
Each interested individual should apply to the University at www.csumentor.edu; send official transcripts from an accredited institution to Enrollment Services and pay application fee online. Also, the candidate should prepare an application packet with the following documents and send it to the Department:
1. Baccalaureate degree from an accredited institution with a minimum of 9 units of course work that include: accounting, economics and statistics
2. An applicant must have an overall undergraduate grade point average of 3.0 or better. Those applicants with less than 3.0, but with acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Department Admissions Committee
3. Fill out and submit an MSHCA Application Form (available on HCA website)
4. A current and complete resume including references
5. Statement of Purpose describing your career goals in Health Care Administration
6. Three letters of recommendation
7. Interview with member of faculty or Program Director may be required.

Prerequisites
1. Take the following course (or equivalent): ACCT 201
2. Take one of the following courses (or equivalent):
   ECON 101, 300
3. Take an introductory statistics course or equivalent.
4. Submit a minimum score of 500 on a recent Graduate Management Admission Test (GMAT) or a total score of a minimum 1000 on the Graduate Record Examination (GRE).

Graduation Requirements
1. Complete a minimum 45 units graduate-level course work.
2. Complete all the following core courses:
   HCA 502 The Health Care System (3)
   Prerequisites: None.
   HCA 503 Health Care Economics (3)
   Prerequisites: ECON 101 or 300.
HCA 505 Organization and Systems of Health Care (3)  
Prerequisites: None.

HCA 510 Human Resources Management in Health Care (3)  
Prerequisites: None.

HCA 515 Adv Financial Management in Health Care (3)  
Prerequisites: ACCT 201 or 500.

HCA 517 Adv Healthcare Info Systems Management (3)  
Prerequisites: HCA 502, 503, 530 or consent of instructors.

HCA 524 Adv Legal & Ethical Aspects of Health Admin (3)  
Prerequisites: None.

HCA 530 Strategic Planning/Marketing in Health Care (3)  
Prerequisites/Corequisites: HCA 502.

HCA 535 Quantitative Methods for Health Admin (3)  
Prerequisites: Statistics.

HCA 550 Continuous Quality Improvement in Health Services (3)  
Prerequisites: HCA 502.

HCA 698A Project Part I (3)  
Prerequisites: Completion of all 500-level courses and advancement to candidacy, or consent of instructor.

HCA 698B Project Part II (3)  
Prerequisites: Completion of all HCA 500-level courses, HCA 698A and consent of the instructor.

HSC 500 Principles of Epidemiology (3)  
Prerequisites: HSC 301 and HSC 403.

3. Completion of any two of the following elective courses: HCA 536, 537, 538, 539, 552 or 580.

Advancement to Candidacy

Students will be instructed to apply for advancement to candidacy after:

1. Completion of 6 units of core course work that applies to the degree with an average grade of "B" or better;
2. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
3. Approval of Program Director.

Accelerated Program

The Master in Health Care Administration Accelerated Program (MSHCA-AP) is designed to prepare working professionals for administrative positions in health care organizations which requires a minimum three years of work experience and combines online and weekend courses. The MSHCA-AP program requires 45 credit hours consisting of 15 core courses. The program offers foundation courses early and more advanced healthcare specific courses later in the program.

Accelerated Education Model

YEAR I

First Quarter-Fall

Orientation - No Credit

1. HCA 503 Health Care Economics (3)  
   Prerequisites: ECON 101 or 300.

2. HCA 505 Organization and Systems of Health Care (3)  
   Prerequisites: None.

Second Quarter-Winter

3. HCA 502 The Health Care System (3)  
   Prerequisites: None.

4. HSC 500 Principles of Epidemiology (3)  
   Prerequisites: HSC 301 and HSC 403.

Third Quarter-Spring

5. HCA 524 Advanced Legal and Ethical Aspects of Health Administration (3)  
   Prerequisites: None.

6. HCA 515 Adv Financial Management in Health Care (3)  
   Prerequisites: ACCT 201 or 500.

Fourth Quarter-Summer

7. HCA 535 Quantitative Methods for Health Admin (3)  
   Prerequisites: Statistics.

8. HCA 510 Human Resources Management in Health Care (3)  
   Prerequisites: None.

YEAR II

First Quarter-Fall

9. HCA 517 Advanced Healthcare Info Systems Management (3)  
   Prerequisites: HCA 502, 503, 530 or consent of instructors.

10. HCA 698A Project Part I (3)  
    Prerequisites: Completion of all 500-level courses and advancement to candidacy, or consent of instructor.

Second Quarter-Winter

11. HCA 537 Managed Care (3)  
    Prerequisites: HCA 300 or 502.

12. HCA 550 Continuous Quality Improvement in Health Services (3)  
    Prerequisites: HCA 502.

Third Quarter-Spring

13. HCA 698B Project Part II (3)  
    Prerequisites: Completion of all HCA 500-level courses, HCA 698A and consent of the instructor.

14. HCA 536 Hospital Management (3)  
    Prerequisites: HCA 505.

Fourth Quarter-Summer

15. HCA 530 Strategic Planning/Marketing in Health Care (3)  
    Prerequisites/Corequisites: HCA 502.

Master of Science in Nursing/Master of Science in Health Care Administration

For requirements, see description in the Nursing section of this catalog.

Courses (HCA)

LOWER DIVISION

101. Health Care Administration in Action (3)  
Offers students opportunities to learn about health administration careers by hearing from and interacting with health care managers working in a variety of organizations, with a focus on those in the greater Long Beach area.  
Letter grade only (A-F).

202. Introduction to Health Care in America (3)  
Prerequisites: GE Foundation requirements.  
US health care system with its delivery and financing mechanisms as well as the technical, economic, political and social forces responsible for changes in the health care system. Contemporary issues such as access, cost and quality, health disparities among minority groups as well as gender disparities including sexual orientation.  
Letter grade only (A-F).
300. The Health Care System (3)
Overview and developmental summary of the American health care system and its driving forces: Organizational forms; financing mechanisms; principal industry stakeholders; professional groups and workforce issues; public health and government.
Letter grade only (A-F). Not open for credit to students with credit in: HCA 402.

312. Health Personnel Management (3)
Prerequisite: Open to Health Care Administration majors only.
Prerequisite/Corequisite: HCA 300.
The management of human resources in health care setting. Principles and methods of personnel work such as employee, recruitment, selection, retention, training, evaluation, and wage and salary administration, and labor management relations.
Letter grade only (A-F). (Lecture)

320. Operations Management in Health Administration (3)
Prerequisites: A grade of "C" or better in PSY 210 or SOC 250 or equivalent.
Prerequisite/Corequisite: HCA 300.
The application of the concepts and methods of operations management to health care organizational setting. Emphasis on planning and control in management process.
Letter grade only (A-F). (Lecture)

340. Legal Aspects of Health Administration (3)
Prerequisite: Open to Health Care Administration majors only.
Prerequisite/Corequisite: HCA 300.
Overview of health law issues. Government regulation including legal constraints; liability; negligence; patient rights; confidentiality; and corporate/administrative responsibility. Emphasis on business applications of health law.
Letter grade only (A-F). (Lecture)

341. Financial Management of Health Care Institutions (3)
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ACCT 201.
Prerequisite/Corequisite: HCA 300.
Application of the concepts of financial management within health care organizations, to include financial planning principles, reimbursement procedures, governmental regulation and legal restraints.
Letter grade only (A-F). (Lecture)

353. Marketing for Health Services Organizations (3)
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in ECON 101 or 300.
Prerequisite/Corequisite: HCA 300.
Development of marketing strategies and analyses in a health care setting. Design of services to include pricing, communication, distribution channels, and client motivation and services.
Letter grade only (A-F).

410. Health Management and Organization (3)
Prerequisites: Open to Health Care Administration majors only.
Prerequisite/Corequisite: HCA 300.
Introduction to health care management practices and concepts. Planning, decision-making, influencing, controlling, effecting change. Effects of environment, technology and human behavior on organizational design.
Letter grade only (A-F). (Lecture)

416. Management and Information Systems (3)
Prerequisite: Open to Health Care Administration majors only.
Prerequisite/Corequisite: HCA 300.
Evaluation of concepts, analysis and design of management information systems; management decision models, strategies for implementing system changes.
Letter grade only (A-F). (Lecture)

417. Technology, Ethics, and Society (3)
Prerequisites: GE Foundation requirements, upper division standing, ENGL 100.
A framework for understanding the ways in which human societies transform themselves through technological innovation. Ethical questions concerning the social effects of technological change.
Letter grade only (A-F).

422. Global Issues in Health Services (3)
Prerequisites: GE Foundation, one or more Exploration courses and upper division standing.
Examination of factors that impact global health; analysis of health care delivery systems and the governmental, economic, social and political forces that influence them.
Letter grade only (A-F). (Lecture)

439./539. Management Challenges in Long Term Care (3)
Prerequisite/Corequisite: HCA 300 or 502.
Functions and essential skills to manage LTC organizations and facilities: Institutional arrangements; Patient/family/community relations; workforce management; marketing; reimbursement.
Letter grade only (A-F). (Lecture)
470l. Latinas/Latinos: Health Status and Health Care Access (3)
Prerequisites: GE Foundation, one or more Exploration courses, upper division standing.
Interdisciplinary exploration of policies, epidemiologic, cultural factors influencing disease within Latino subpopulations, their impact upon efficient, equitable service delivery.
Letter grade only (A-F). Same course as CHLS 470l. Not open for credit to students with credit in CHLS 470l. (Lecture)

471. Geographic Information Science (GIS) for Health (3)
Prerequisite: GEOG 200 or SOC 250 or equivalent.
Introduction to the fundamentals of Geographic Information Science and Systems (GIS) including concepts and skills in spatial reasoning and spatial thinking. Explores GIS in spatial query, problem analysis and decision support using health-related applications. Lecture/discussion and Laboratory (2 hours lecture, 2 hours computer laboratory)
Letter grade only (A-F). Same course as GEOG 471. Not open for credit to students with credit in GEOG 471.

480./580. Internship in Health Care Administration (3)
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in HCA 300, 312, 341, 410, 465 and HSC 150.
Minimum 120 hours of structured work experience in a health care organization, under direct supervision of a preceptor-employee.
Letter grade only (A-F).

481. Internship and Career Development in Health Care Administration (3)
Prerequisites: Open to Health Care Administration majors only and HCA 480.
A minimum of 120 hours of structured work experience in a health care organization, under the direct supervision of a preceptor-employee. Career development planning, job search and networking.
Letter grade only (A-F).

490. Selected Topics in Health Care Administration (1-3)
Topics of special interest in health care administration selected for intensive study.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.

499. Directed Studies (1-3)
Prerequisite: Consent of instructor.
Independent study of special topics under supervision of a faculty member.
May be repeated to a maximum of 6 units with approval of Health Care Administration Program Director. Letter grade only (A-F).

GRADUATE LEVEL

502. The Health Care System (3)
Overview, developmental summary of the American health care system and its driving forces. Major elements of the healthcare system: today's major health policy issues in a historical, economic and political context.
Letter grade only (A-F). (Lecture)

503. Health Care Economics (3)
Prerequisites: ECON 101 or 300
Application of economic principles to health care; the flow of funds through the health care system including physicians, hospitals, managed care, nursing home and pharmaceutical firms. Third party payment, asymmetric information, and behavior health care systems.
Letter grade only (A-F).

505. Organization and Systems of Health Care (3)
Analysis of operational activities and managerial functions essential to the health care delivery system, with emphasis on management and leadership influence on developing effective systems of care within various institutional arrangements.
Letter grade only (A-F). (Lecture)

510. Human Resources Management in Health Care (3)
Management of human resources in the health care system including human resource planning and staffing, training and development, performance appraisal, job design and analysis, and compensation.
Letter grade only (A-F).

515. Advanced Financial Management in Health Care (3)
Prerequisite: ACCT 201 or 500.
Letter grade only (A-F). (Lecture)

517. Advanced Healthcare Information Systems (HIS) Management (3)
Prerequisites: HCA 502, 503, 530 or consent of instructor.
Federal state regulation of health care facilities, employees, patients and programs. Ethical and legal perspectives on malpractice, liability, contracts, informed consent, end-of-life decisions, reproductive health, medical records, confidentially and required disclosures.
Letter grade only (A-F). (Discussion)

524. Advanced Legal and Ethical Aspects of Health Administration (3)
Federal and state regulation of health care facilities, employees, patients and programs. Ethical and legal perspectives on malpractice, liability, contracts, informed consent, end-of-life decisions, reproductive health, medical records, confidentially and required disclosures.
Letter grade only (A-F). (Lecture)

530. Strategic Planning and Marketing in Health Care (3)
Prerequisite/Corequisite: HCA 502.
Strategic planning based on analysis of analyses of secondary quantitative and qualitative data to study changes in technological, social, political, regulatory, and competitive aspects of the health care market.
Letter grade only (A-F).

535. Quantitative Methods for Health Administration (3)
Prerequisite: Statistics.
Application of quantitative and operations research techniques to problems in health care settings. Exposure to decision theory and control systems. Problem solving experiences in resource allocation, procedures, scheduling, forecasting, measurement and cybernetic control.
Letter grade only (A-F).

536. Hospital Management (3)
Prerequisite: HCA 505.
Analysis of hospitals by broad function and specific departments through cases, simulations and visits to develop familiarity with internal operations of acute care hospitals and skills in solving hospital operational problems.
Letter grade only (A-F). (Lecture)

537. Managed Care (3)
Prerequisite: HCA 300 or 502.
Orientation to the organization and administration of health maintenance organizations, preferred provider organizations and related enterprises. Legal and regulatory issues, marketing, utilization management, premium rating systems, information systems, case/disease management.
Letter grade only (A-F). (Seminar 3 hours)
538. Long Term Care Management (3)
Prerequisite: HCA 502.
Overview of long term care services and facilities. Analysis of forces influencing development of long term care in the US; specific organizational aspects affecting outcomes of services.
Letter grade only (A-F). (Lecture)

539./439. Management Challenges in Long Term Care (3)
Prerequisite/Corequisite: HCA 300 or 502.
Functions and essential skills to manage LTC organizations and facilities: institutional arrangements; patient/family/community relations; workforce management; marketing; reimbursement.
Letter grade only (A-F). (Lecture)

550. Continuous Quality Improvement in Health Services (3)
Prerequisites: HCA 502
Administrative and professional issues to assure quality in health care. Historical beginnings: metrics and indicators; state-of-the-art practices; voluntary and governmental monitoring.
Letter grade only (A-F). (Lecture)

552./452. Medical Group Practice Management (3) F
Prerequisites/Corequisites: For undergraduates, HCA 341 and 300. For graduates HCA 502 and HCA 515.
Fundamental operational responsibilities of medical group administration today, with emphasis on finance operations and management skills.
Letter grade only (A-F). (Lecture)

580./480. Internship in Health Care Administration (3)
Prerequisites: A grade of "C" or better in HCA 502, 505, 510, 515, 524, 530, 535, and 550.
Minimum 120 hours of structured work experience in a health care organization, under direct supervision of a preceptor-employee. Graduate students study and report on institution’s organizational structure, philosophy, problems and personnel.
May be repeated to a maximum of six units in different semesters. Letter grade only (A-F).

590. Selected Topics in Health Care Administration (1-3)
Topics of current interest in the various fields of health administration and health services management selected for special presentation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the Schedule of Classes.

599. Directed Studies (1-3) F,S
Prerequisite: Consent of instructor.
Directed study of a special topic to be taken under supervised independent study.
May be repeated for a maximum 6 units with different topics in different semesters. Letter grade only (A-F).

695. Integrative Seminar: Critical Analysis of the Health Care System (3) S
Prerequisites/Corequisites: HCA 580, 698.
Systemic, ecological approach to an advanced, critical analysis of U.S. health care system. Emphasis on public policy determinations that have influenced system development, relevant problems, issues.
Letter grade only (A-F).

698A. Project Part I (3)
Prerequisites: Completion of all 500-level courses and advancement to candidacy, or consent of instructor.
To provide students with the skills and techniques of research to design and carry out their own investigation of a health care or health services project. Project is a two-semester course sequence.
Letter grade only (A-F).

698B. Project Part II (3)
Prerequisites: Completion of all HCA 500-level courses, HCA 698A, and consent of the instructor.
Project is a two-semester course sequence; the purpose of HCA 698B is for students to execute and complete the research project proposed and designed in 698A.
Letter grade only (A-F).
HEALTH SCIENCE
College of Health and Human Services

Department Chair: Tony Sinay
Department Office: Health and Human Services (HHS) 2, Room 115
Telephone: (562) 985–4057

Faculty: Veronica Acosta-Deprez, Stephanie L. Eatmon (Emerita),
Dale W. Evans (Emeritus), Gail Farmer, Mohammed R. Forouzesh,
Robert H. Friis, Sarath Gunatilake, Javier Lopez-Zetina, Kevin
Malotte, Britt K. Rios-Ellis

Liaison, CSULB/VA Joint Studies Institute: Robert H. Friis
Co-Directors, Graduate Studies: Javier Lopez-Zetina and
Britt Rios-Ellis

Career Possibilities
Health Science: Health Educator • Government Inspector •
California Middle/High School Health Teacher • Researcher/
Evaluator • Health Education Specialist • Public Health
Educator • Patient Educator
Radiation Therapy: Staff Therapists • Simulator Therapists •
Dosimetrists • Educators • Senior Therapists • Department
Managers • Temporary Staffing Therapists • Consultants •
Equipment Sales and Marketing (For more information, see
www.careers.csulb.edu.)

Introduction
The Department offers undergraduate and graduate study in Health Education, and an undergraduate option in Radiation Therapy. For program information, students should review the information found on our website http://www.csulb.edu/colleges/chhs/departments/
healthscience/ and contact the department office for referral to one of the faculty advisors: Director of Undergraduate Studies, Director of Radiation Therapy, Director of Graduate Studies and/or Single Subject Credential Advisor.

Bachelor of Science in Health Science
The basic University requirements for graduation with a B.S. Degree in Health Science consist of:
1. completion of general education requirements,
2. completion of all courses identified on the Program Planner for the Option selected, with no grade lower than a "C" for each listed course or approved substitute,
3. completion of a minimum of 120 units, at least 40 units of which must be upper division. Upper division courses are numbered 300 to 499.

Major Core Requirements
All Health Science majors must complete the required core. The core of the Health Science program contains five areas of competence: Statistics, Program Development, Professionalism, Health Services Organization and Health Promotion. All majors must complete at least one course from each competency area. Courses must be selected in consultation with an advisor.

Option in Community Health Education
(120 units)
The Community Health Education option is designed for persons whose occupational objective is to serve as a community health educator with an official, voluntary, or corporate health agency.

Lower Division:
Take all of the following courses:
- H SC 210 Contemporary Health Problems (3)
  Prerequisites: GE Foundation requirements.
- BIOL 205 Human Biology (4)
  Prerequisites: GE Foundation requirements.
- MICR 101 Introduction to Human Disease (3)
  Prerequisites/Corequisites: Course that fulfills the A1 GE requirement.
- NUTR 132 Introduction to Nutrition (3)
  Prerequisites/Corequisites: One Foundation course.

Take one of the following courses:
- PSY 210 Introductory Statistics (4)
  Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.
- SOC 250 Elementary Statistics (4)
  Prerequisite: Knowledge of mathematical procedures usually covered in elementary high school algebra as demonstrated on a screening examination.

Take a 3-unit foreign language course.

Upper Division:
Take all of the following courses:
- H SC 301 Orientation to Health Science (3)
  Prerequisite: Open to Health Science majors only. H SC 401
- H SC 400 Principles of Epidemiology (3)
  Prerequisites: Open to Health Care Administration and Health Science majors and minors only. Health Care Administration majors: SOC 250. Health Science majors: H SC 403.
- H SC 401 Community Health Education (3)
  Prerequisites: HSC 301.
- H SC 402 Applied Concepts of Community Health Education (3)
  Prerequisites: H SC 301, 401.
- H SC 403 Community Health Statistics (3)
  Prerequisites: GE Math and SOC 250 or PSY 210 or equivalent.
- H SC 405 Health Education Program Evaluation and Measurement (3)
  Prerequisites: HSC 403 or equivalent.
- H SC 421 Health Behavior (3)
  Prerequisites: None.
- H SC 430 School Health Program (3)
  Prerequisites: HSC 301.
- H SC 435 Health Promotion Risk Reduction (3)
  Prerequisites: HSC 421 or consent of instructor.
- H SC 440 Applied Concepts of Health Science (3)
  Prerequisites: HSC 430.
- H SC 485 Internship in Community Health Education (3)
  Prerequisites: Open to Health Science majors only. H SC 401 and consent of instructor.
Take three courses selected from the following:
   HSC 407, 420L, 422, 423, 425L, 427
Take one course selected from the following:
   PSY 351 or SOC 335I
Take one course selected from the following:
   SOC 320, 462, 464
Take one course selected from the following:
   COMM 334, 335

Option in School Health Education (120 units)

The School Health Option is designed for persons who wish to become health science teachers in California middle and high schools. The program is approved by the California Commission on Teacher Credentialing and meets subject matter competence requirements for the Single Subject Teaching Credential in Health Science. Prospective students should consult the department's Health Science Single Subject Advisor early to plan their program.

Requirements

Lower Division:
Take all of the following courses:
   BIOL 205 Human Biology (4)
      Prerequisites: GE Foundation requirements.
   MICR 101 Introduction to Human Disease (3)
      Prerequisites/Corequisites: Course that fulfills the A1 GE requirement.
   NUTR 132 Introduction to Nutrition (3)
      Prerequisites/Corequisites: One Foundation course.
   PSY 100 General Psychology (3)
      Prerequisites/Corequisites: GE A1 requirement.
Take one of the following courses:
   PSY 210 Introductory Statistics (4)
      Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.
   SOC 250 Elementary Statistics (4)
      Prerequisite: Knowledge of mathematical procedures usually covered in elementary high school algebra as demonstrated on a screening examination.
   Take a 3-unit foreign language course.

Upper Division:
Take one of the following:
   COMM 335 Persuasive Speaking (3)
      Prerequisites: GE Foundation requirements.

Approved upper-division COMM course
Take one of the following courses:
   EDP 301 Child Development and Learning (3)
      Prerequisites: None.
   EDP 302 Early and Late Adolescent Development (3)
      Prerequisites: None.
   EDP 305 Educational Psychology (3)
      Prerequisites: None.
Take one of the following courses:
   ANTH 329; CDFS 319I; HSC 420L; PSY 378;
   SOC 320, 423

Subject Matter Courses
Take all of the following courses:
   ETEC 444 Computer Technology in Education, Level I (3)
      Prerequisites: Course design assumes familiarity with topics introduced in ETEC 110.
   HSC 210 Contemporary Health Problems (3)
      Prerequisites: GE Foundation requirements.

HSC 301 Orientation to Health Science (3)
   Prerequisite: Open to Health Science majors and minors only.
HSC 401 Community Health Education (3)
   Prerequisites: HSC 301.
HSC 403 Community Health Statistics (3)
   Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.
HSC 421 Health Behavior (3)
   Prerequisites: None.
HSC 422 Environmental Health (3)
   Prerequisites: None.
HSC 423 Consumer Health (3)
   Prerequisites: None.
HSC 425I Human Sexuality and Sex Education (3)
   Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
HSC 427 Drugs and Health (3)
   Prerequisites: Upper-division standing.
HSC 430 School Health Program (3)
   Prerequisites: HSC 301.
HSC 435 Health Promotion/Risk Reduction (3)
   Prerequisites: HSC 421 or consent of instructor.
HSC 440 Applied Concepts of Health Science (3)
   Prerequisites: HSC 430.

Single Subject Teaching Credential in Health Science

In addition to meeting the subject matter competence requirement for the Single Subject Teaching Credential in Health Science, prospective health teachers are also required to complete an additional 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website (www.ced.csulb.edu/single-subject) for a description of the professional preparation requirements, courses, and application procedures.

The Health Science Subject Matter Program is being revised to meet new state standards. When the revised program has been approved by the Commission on Teacher Credentialing, the new course requirements will be in effect and supersede current requirements.

Option in Health Care (120 units)

The Option in Health Care is designed for those individuals who have received certification and/or license from an approved allied health/health care program and desire a Bachelor of Science degree. The focus of this option is the development of professional skills for people whose goal is: (a) providing service, or (b) instructing in the health care setting.

Admission Requirements

Once admitted to the University, students are required to complete the following prior to acceptance into the Health Care Option.

1. Obtain certification and/or license from an allied health/health care program from an institution that has been
accredited by either a Committee on Post-secondary Accreditation (COPA) approved accreditation agency or the Committee on Allied Health Education and Accreditation (CAHEA). Those individuals who do not have appropriate certification will be counseled by the Department of Health Science regarding where to obtain an appropriate accredited program, and, when possible, concurrent enrollment may be utilized;

2. Earn a minimum GPA of 2.0.

Lower Division:
Completion of general education requirements to include:
ENGL 100 Composition (3)
Prerequisites: A recorded total score of 151 or above on the English Placement test, credit in ENGL 1 (or its equivalent), or consent of the instructor.

Take one course from the following:
ANTH 120, SOC 100, PSY 100
Take a minimum of 12 units in Natural Sciences, approved by department advisor equivalent to:
BIOL 200, 207, 208; MICR 101
Take one course from the following:
CHEM 100, 111A

Upper Division
Core: Three units from each area with advisor consultation:
A. Statistics: H SC 403, ED P 419
B. Program Development: H SC 430 and HCA 320 or H SC 455 and H SC 316
C. Professionalism: H SC 451, HCA 340
D. Health Organization: H SC 401, 420I
E. Health Promotion: H SC 435, HCA 300

Requirements
Take the following course:
H SC 400 Principles of Epidemiology (3)
Prerequisites: Open to Health Care Administration and Health Science majors and minors only. Health Care Administration majors: SOC 250. Health Science majors: H SC 403.

Take one of the following courses:
HDEV 320 Research Methods in Human Development (4)
Prerequisites: ANTH 120 or PSY 100 or SOC 100 or HDEV 180 and HDEV 250.
H SC 405 Health Education Program Evaluation and Measurement (3)
Prerequisites: HSC 403 or equivalent.

Take one of the following courses:
ANTH 353 Health and Healing (3)
Prerequisites: None.
H SC 492A, B Internship in Health Care (1-3)
Prerequisites: Consent of instructor.

B. Instructing in the Health Care Setting (12 units)
Take the following courses:
HCA 410 Health Management and Organization (3)
Prerequisites: Open to Health Care Administration majors only. Prerequisite/Corequisite: HCA 300.
HCA 465 Analysis and Evaluation of Health Care Services (3)
Prerequisite/Corequisite: HCA 300.
Prerequisites: Open to Health Care Administration majors only and a grade of "C" or better in PSY 210 or SOC 250 or equivalent.

Take one of the following courses:
H SC 421 Health Behavior (3)
Prerequisites: None.
H SC 492A, B Internship in Health Care (1-3)
Prerequisites: Consent of instructor.

Take one of the following courses:
ANTH 319 Human Growth and Development (3)
Prerequisites: None.
GERN 400I Perspectives on Gerontology (2)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
GERN 482 Health Assessment of the Aging Client (3)
Prerequisites: GERN 400I, HDEV 357I or PSY 365, ANTH 454, and BIOL 401, or consent of instructor.
NRSG 482 Physical Assessment and Aging (3)
Prerequisites: GERN 400I or equivalent and upper standing or consent of instructor.

Take one of the following courses:
ED P 432 Social and Cultural Diversity in Educational Settings (3)
Prerequisites: None.
ED P 305 Educational Psychology (3)
Prerequisites: None.
H SC 421 Health Behavior (3)
Prerequisites: None.

Minor in Health Science
Twenty-four units required.

Take all the following courses:
H SC 301 Orientation to Health Science (3)
Prerequisite: Open to Health Science majors and minors only.
H SC 401 Community Health Education (3)
Prerequisites: HSC 301.
H SC 430 School Health Program (3)
Prerequisites: HSC 301.
H SC 435 Health Promotion Risk Reduction (3)
Prerequisites: HSC 421 or consent of instructor.
H SC 440 Applied Concepts of Health Science (3)
Prerequisites: HSC 430.

Take three courses from the following courses:
Graduate Program in Health Education
In order to be admitted to the graduate program for study toward a degree, a prospective candidate must apply both to this department and the University. Contact the Director of Graduate Studies for current requirements.
The graduate student will be prepared for a leadership role in a school or community setting and for admission to doctoral programs. Admitted graduate students must contact the Director of Graduate Studies for advisement early in their first semester of enrollment in order to develop an approved program of study.

Master of Science in Health Science
The Master of Science program is designed to provide students with:
1. an intensive study of health education concepts, theories, and processes;
2. an introduction to public health concepts and issues; and
3. research methodology and skills appropriate to an in-depth examination of a public health topic.

Admission Requirements
Applicants must apply both to the Department and the University. Applications are available from the Department office or on-line at www.csulb.edu/health-science.
1. Each applicant must request that a copy of official transcript(s) of all work to be sent to the university’s Office of Enrollment Services.
2. A bachelor’s degree with a major in health education, which articulates with the course requirements for the same degree at California State University, Long Beach; or a bachelor’s degree in a related discipline with a minimum of 21 units of upper division course work comparable to that required of the Health Science major at the University; or a bachelor’s degree in a related discipline and willingness to make up any deficiencies in prerequisite Health Science courses. Prerequisites for all courses carrying graduate credit must have been completed within seven years of acceptance to the program. If any prerequisite is outdated, it may be repeated or credit may be obtained by (1) written examination on the subject matter or (2) providing documented evidence of currency in the subject area.
3. An overall undergraduate GPA of at least 3.0. Students with less than a 3.0 GPA on the last 60 units of undergraduate units attempted, but who show promise in all other aspects, may be given special consideration after petitioning for conditional admission into the program through the Director of Graduate Studies.
4. Acceptance by the University as a student with graduate standing.
5. A maximum of 9 units of approved graduate work at the post-baccalaureate level may be credited to a student’s program requirements upon departmental acceptance to the graduate program.
6. Submission of the analytic, quantitative and verbal scores from the Graduate Record Examination (GRE).
7. Copy of the CSU graduate application to the department.
8. Three letters of recommendation from persons with whom the candidate has worked and/or who have direct knowledge of the applicant’s professional or academic potential as a community health educator.
9. A separate personal statement of reasons for pursuing this field of study and comments about interests and experience that are germane to career objectives. Submit a personal resume reflecting the applicant’s education and relevant work experience.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy:
   A. fulfill the Graduation Writing Assessment Requirement (GWAR);
   B. maintain at least a 3.0 average for all course work attempted as a graduate student; and
   C. complete HSC 500, 503, and 570;
2. Approval by the Director of Graduate Studies and the Associate Dean of Academic Programs of the College of Health and Human Services.

Requirements
1. A minimum of 43 units of approved upper division and graduate courses including:
   A. 21 units of HSC courses, which include the following:
      HCA 502 The Health Care System (3)
      Prerequisites: None.
      HSC 440 Applied Concepts of Health Science (3)
      Prerequisites: HSC 430.
      HSC 500 Principles of Epidemiology (3)
      Prerequisites: HSC 301 and HSC 403.
      HSC 503 Advanced Community Health Statistics (3)
      Prerequisites: HSC 403 or equivalent.
      HSC 570 Theoretical Concepts and Issues in Health Science (3)
      Prerequisites: None.
      HSC 581 Curriculum Development in Health Education (3)
      Prerequisites: HSC 430, 440.
      HSC 696 Research Methods (3)
      Prerequisites: Undergraduate major in Health Science or related field; undergraduate course in statistics.
   B. 18 units of electives in a specialty field;
   C. 4 units of the following:
      HSC 698 Thesis (1-3)
      Prerequisites: HSC 696, advancement to candidacy.

Master of Public Health
Option in Community Health Education
The Master of Public Health in Community Health provides an opportunity for students: to specialize in community health education and health promotion within the general context of Public Health; to increase competence in designing, implementing, and evaluating social behavior changes programs in preparation for serving in various health agencies; prepare for teaching at college and
Admission Requirements

Applicants must apply both to the Department and the University. Applications are available online at www.csulb.edu/health-science.
1. Each applicant must request that a copy of official transcript(s) of all work be sent to the university's Office of Enrollment Services.
2. A bachelor's degree with a major in health education, which articulates with the course requirements for the same degree at California State University, Long Beach; or a bachelor's degree in a related discipline with a minimum of 21 units of upper division course work comparable to those required of the Health Science major at the University; or a bachelor's degree in a related discipline and willingness to make up any deficiencies in prerequisite Health Science courses. Prerequisites for all courses carrying graduate credit must have been completed within seven years of acceptance to the graduate program. If any prerequisite is outdated, it must be repeated. Credit may be obtained by (1) written examination on the subject matter or (2) providing documented evidence of currency in the subject area.

3. An overall undergraduate GPA of at least 3.0. Students with less than a 3.0 GPA on the last 60 units of undergraduate units attempted, but who show promise in all other aspects, may be given special consideration after petitioning for conditional admission into the program through the Director of Graduate Studies.
4. Acceptance by the University as a student with graduate standing.
5. A maximum of 9 units of graduate work at the post-baccalaureate level may be credited to a student's program requirements upon departmental acceptance to the graduate program.
6. Submission of analytic, quantitative and verbal scores from the Graduate Record Examination (GRE) to the Department.
7. Submission of a copy of the CSU graduate application.
8. Three letters of recommendation from persons with whom the applicant has worked and/or who have direct knowledge of the applicant’s professional and academic potential as a health educator.
9. A separate personal statement of reasons for pursuing this field of study and comments about interests and experience that are germane to career objectives. Submit a personal resume reflecting the applicant’s education and relevant experience.
10. At least one year’s full-time (or equivalent) paid or volunteer experience in Health Education or a closely related health field. Preference will be given to those with greater experience and ability.

Advancement to Candidacy

1. Satisfy the general university requirements for advancement to candidacy:
   A. Fulfill the Graduation Writing Assessment Requirement (GWAR);
   B. Maintain at least a 3.0 average for all course work attempted as a graduate student;
   C. Complete the following: HSC 500, 503, 570
2. Approval by the Director of Graduate Studies and Associate Dean for Academic Programs of the College of Health and Human Services.

Requirements

1. A minimum of 42 units of approved upper-division and graduate-level courses including:
   A. 30-31 units of core classes including:
      HCA 502 The Health Care System (3)
      Prerequisites: HSC 301 and HSC 403.
      HSC 508 Administrative Relationships in Health Education Programs (3)
      Prerequisites: Undergraduate major in Health Science or related field.
      HSC 528 Advanced Environmental Health (3)
      Prerequisites: HSC 402 or consent of instructor.
      HSC 570 Theoretical Concepts and Issues in Health Science (3)
      Prerequisites: None.
      HSC 581 Curriculum Dev in Health Education (3)
      Prerequisites: HSC 430, 440.
      HSC 624 Seminar in Community Analysis and Program Planning (3)
      Prerequisites: HSC 625 or consent of instructor.
      HSC 625 Advanced Community Health Education (3)
      Prerequisites: HSC 401 and 485; consent of instructor.
      HSC 626 Integrative Seminar in Public Health (3)
      Prerequisites: HSC 570, advancement to candidacy.
   B. Take one of the following courses:
      HSC 500 Principles of Epidemiology (3)
      Prerequisites: HSC 301 and HSC 403.
      MICR 429 Epidemiology of Infectious Diseases (3)
      Prerequisites: BIOL 260; MICR 320, 322; all of a grade of “C” or better.
   C. Take one of the following courses:
      HSC 503 Advanced Community Health Statistics (3)
      Prerequisites: HSC 403 or equivalent.
      BIOL 565 Experimental Design and Regression Analysis (4)
      Prerequisites: BIOL 260; MATH 119B or 123; 6 units of upper division biological science all with a grade of "C" or better.

2. A comprehensive written examination (see department for guidelines).

Master of Science in Nursing/Master of Public Health

For requirements, see description in the Nursing section of this catalog.

Single Subject Teaching Credential in Health Science

For information, refer to the undergraduate section in this department.
Courses (H SC)

LOWER DIVISION

150. Medical Terminology (1)
Development of medical terminology emphasizing the building of terms utilizing prefixes, combining forms and suffixes. Includes medical terms for application in the interpretation of medical records.
(Lecture-discussion 1 hour.) Letter grade only (A-F).

200. Orientation to Radiation Therapy (3)
Introduction to the profession of Radiation therapy and an overview of the Option requirements. The role of Radiation therapy in cancer treatment and the role Radiation Therapist in patient care, treatment, simulation, dosimetry and follow-up.
40 hours of clinical fieldwork required. Letter grade only (A-F).

210. Contemporary Health Problems (3)
Prerequisite: GE Foundation requirements.
Development of modern health knowledge, attitudes and behavior: includes family life-sex education, drug use and abuse, mental health, medical quackery and health frauds, common diseases such as sexually transmitted diseases, heart disease and cancer.

UPPER DIVISION

301. Orientation to Health Science (3)
Prerequisite: Open to Health Science majors and minors only.
Overview of philosophy of Health Science Department Orientation to degree requirements, career opportunities, and theoretical and practical issues of health education as a profession.

305. Basic Research Methods and Data Analyses in Health and Human Services (3)
Introduction to research methods and data analyses concerning health and human services. An understanding and application of public data sources, research designs, primary and secondary data analyses, and report writing. Critical assessment of information presented in media and journals.
Letter grade only (A-F).

310. Radiation Therapy Patient Care I (2)
Prerequisite: Admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Topics covered include the role of the radiation therapist, communication, self-care, basic patient care, patient assessment, infection control, medical emergencies, basic pharmacology and medication administration.
Letter grade only (A-F).

311. Radiation Therapy Patient Care II (2)
Prerequisites: Admission to the Radiation Therapy Option Professional Preparation of consent of instructor. Topics covered include psychosocial aspects of cancer diagnosis, death and dying, patient education and intervention for treatment related sequelae. Additionally local, state and national cancer resources are covered.
Letter grade only (A-F).

315. Seminar in Radiation Therapy I (2)
Prerequisites: Concurrent enrollment in HSC 492A, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Introduction to the clinical arena requiring application of previous didactic material. Focus is on the patient, consult, simulation, treatment, dosimetry and case study review.
Letter grade only (A-F). (Lecture-Discussion, 2 hrs)

316. Seminar in Radiation Therapy II (2)
Prerequisites: Concurrent enrollment in HSC 492B, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Application of previous didactic material. Comprehensive analysis of case studies in the clinical setting with emphasis on treatment rationale and options.
Letter grade only (A-F). (Lecture-discussion 2 hours)

320. Radiologic Techniques and Imaging Modalities (3)
Prerequisites: Admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Concepts and processes involved in producing a radiograph will be covered. Additionally, other diagnostic imaging modalities such as CT, MRI, Ultrasound will be covered.
(Lecture-discussion 2 hr) Letter grade only (A-F).

330. Topographic Anatomy (2)
Prerequisites: BIOL 207, 208 admission to the Radiation Therapy Option Professional Preparation of consent of instructor. Examination of external anatomic landmarks to internal anatomy. Additionally, cross sectional anatomy is covered with interpretation of port films and other diagnostic films.
(Lecture-discussion 2 hr) Letter grade only (A-F).

333. Latino Nutrition, Health and Chronic Disease Prevention (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses and upper division standing.
Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provide culturally-relevant strategies for prevention.
Letter grade only (A-F). Same course as NUTR 333. Not open for credit to students with credit in NUTR 333.

340. Clinical Radiation Therapy (3)
Prerequisites: HSC 200, 320, admission to the Radiation Therapy Option Professional Preparation of consent of instructor. Rationale of radiation therapy treatments; construction of immobilization devices, contours, beam modifiers and positioning aids. Examination of simulation procedures, contrast media, treatment positioning and monitoring.
(Lec-discussion 2 hrs, Lab 2 hrs) Letter grade only (A-F).

341. Clinical Radiation Therapy II (1)
Prerequisites: HSC 340, admission to the Radiation Therapy Option Professional Preparation of consent of instructor. Corequisite: HSC 445A.
Examination of site specific techniques to treat cancers of the skin, head and neck, lung, esophagus, breast, gastrointestinal, kidney and bladder.
Letter grade only (A-F). (Lecture-discussion, 1 hour)

342. Clinical Radiation Therapy III (1)
Prerequisites: HSC 341, concurrent enrollment in HSC 445B, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Examination of site specific techniques to treat cancers of the reproductive systems, CNS, eye, endocrine, bone, soft tissues, blood and lymphatics. Pediatric cancer treatments will be included.
Letter grade only (A-F). (Lecture discussion 1 hour)

400. Principles of Epidemiology (3)
Prerequisites: Open to Health Care Administration and Health Science majors and minors only. Health Care Administration majors: SOC 250. Health Science majors: H SC 403.
Application of epidemiologic procedures to the understanding of the occurrence and control of infectious and chronic diseases,
mental illness, environmental health hazards, accidents, and geriatric problems.

(Lecture 3 hours)

401. Community Health Education (3)
Prerequisite: HSC 301.
Concepts of community health education with emphasis on community organization; application of these concepts to health education activities of official, voluntary and professional health agencies.

402. Applied Concepts of Community Health Education (5)
Prerequisites: HSC 301, 401.
Identification and application of concepts unique to community health education; includes examination of theoretical foundations, marketing and promotion techniques, and application of health education strategies.

403. Community Health Statistics (3)
Prerequisites: G.E. math and SOC 250 or PSY 210 or equivalent. Representative topics are descriptive statistics, sample designs, central tendency, and variability. Statistical tools for inferential analyses include hypothesis testing and parameter estimation.

(Lecture 2 hours, Activity 2 hours)

405. Health Education Program Evaluation and Measurement (3)
Prerequisite: HSC 403 or equivalent.
Research designs, standardized measurements, data collection, analysis, and reporting are used to develop evaluation skills to assess program outcomes. Program activities promoting behavior change in communities, organizations, groups and individuals are evaluated.

(Discussion 3 hours)

407. Health Equity and Health Disparities Research in the US (3)
Prerequisites: GE Foundation, one or more Exploration courses and upper-division standing.
Explores socioeconomic, biologic, environmental, and institutional factors associated with health issues and disease. Students will learn about research and interventions to affect positive health outcomes and access for underserved, underrepresented diverse populations.
Letter grade only (A-F).

411A. Health Science for Elementary Teachers (3)
Prerequisite: Upper-division standing. Corequisite: Current CPR Certification required.
Contemporary teaching of health education in elementary schools; emphasizes coordinated school health, drugs, sexuality, nutrition, child abuse, violence, community and human ecology. Based upon California Health Framework, meets state credential requirements.
Not open for credit to health Science majors or minors.

411B. Health Science for Secondary Teachers (3)
Prerequisite: Upper-division standing. Corequisite: Current CPR Certification required.
Contemporary teaching of health education in secondary schools; emphasizes coordinated school health, integrating health content and instruction into other subjects, drugs, sexuality, nutrition, child abuse, violence, community and human ecology. Based upon California Health Framework, meets state credential requirements.
Not open for credit to health Science majors or minors.

415. Radiation Biology (2)
Prerequisites: BIOL 207, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Biological effects of radiation at the cellular, organ and whole body levels. Radiobiological effectiveness, linear energy transfer, oxygen enhancement ratio, sensitzers and protectors will be covered.
(Lecture-discussion 2 hours). Letter grade only (A-F).

420L. International Health (3)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
Analysis of current health problems in the world; examination of contributing social, psychological, physical, legal and cultural factors; international programs for the improvement of world health; structure and functions of world health agencies and organizations.
Course fee may be required.

421. Health Behavior (3)
Survey of contemporary research on the health effects of human behavior. Special emphasis is given to current issues of health behavior, decision-making in contemporary society, values clarification and contemporary theories of behavior change (e.g., health belief model).

422. Environmental Health (3)
Examination of reciprocal relationship existing between man and his environment, with the emphasis directed toward the health related consequences of man's actions in the environment.

423. Consumer Health (3)
Effective selection of health information, products and services; medical quackery and fraudulent health practices; laws and agencies protecting the consumer; health care delivery systems; and influences of corporate control on the consumer movement in contemporary society.

425L. Human Sexuality and Sex Education (3)
Prerequisites: G.E. Foundation, one or more Exploration courses, and upper-division standing. Recommended: PSY 100.
Biomedical, sociological, and psychological aspects of human sexuality, the communication of sexual information, the implementation, content and evaluation of family life and sex education in the schools.

427. Drugs and Health (3)
Prerequisite: Upper division standing.
Study of psychoactive drugs with primary attention to alcohol, nicotine, caffeine, cannabis, hallucinogens, narcotics and other drugs; examination of trends, philosophical issues and behavioral practices associated with drug use and dependence. Includes physiological psycho-social, legal, historical, philosophical and political aspects; treatment-rehabilitation activities and programs; and drug abuse prevention education.
Not open for credit to students with credit in HSC 327.

430. School Health Program (3)
Prerequisite: HSC 301.
Intensive analysis of the philosophy, organization and legal aspects of the school health program. Includes school and community coordination for a team approach to health education for the school age individual.

435L. Health Promotion and Risk Reduction (3)
Prerequisites: HSC 421 or consent of instructor.
Health promotion/risk reduction program content, development and implementation for use in corporate, hospital and public settings. Intended primarily for Health Science majors.
(Discussion 3 hours)

440. Applied Concepts of Health Science (3)
Prerequisite: HSC 430.
Identification and application of the concepts and modes of inquiry unique to the discipline of health science; development of appropriate curriculum based upon an analysis of individual, school and community needs and interests.
445A. Oncologic Pathology I (3)
Prerequisites: BIOL 207, 208; HSC 150, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Examination of Oncologic pathology with emphasis on malignant neoplasia; specific attention given to cancers of the skin, head and neck, lung, esophagus, breast, gastrointestinal tract, kidney and bladder.
(Lecture-discussion 3 hours) Letter grade only (A-F).

445B. Oncologic Pathology II (3)
Prerequisites: HSC 445A, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Continuing study of Oncologic pathology with specific attention given to cancers of the reproductive system, central nervous system, eye, endocrine, major digestive glands, bone, soft tissue, blood, lymphatic system and pediatric solid tumors.
(Lecture-discussion 3 hours) Letter grade only (A-F).

451. Ethics Professionalism in Health Care (3)
Examination of professionalism and bioethics, and the process of making moral decisions; ethical issues; professional oaths and codes of ethics; health care ethics and the law.

455. Quality Management in Radiation Therapy (1)
Prerequisites: HSC 470B, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Study of the principles of quality management with an emphasis on specific quality assurance tests in radiation therapy. Students will be given the opportunity to either perform or observe a demonstration of each quality assurance test.
(Letter grade only (A-F).

465. Radiation Therapy in the Health Care Industry (3)
Prerequisites: Admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Examination of radiation therapy in the current health care market. Focus in on various operational and budgetary issues, hospital and governmental accreditation, types of insurance and reimbursements.
Letter grade only (A-F). (Lecture-discussion 2 hours, Laboratory 2 hours).

470A. Clinical Radiation Physics I (3)
Prerequisites: PHYS 100A, B, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Nature and description of the structure of matter and energy; interactions of photons and gamma radiation; instrumentation and measurement of ionizing radiation; beam quality and dose; percentage depth dose, tissue air ratios, treatment dose calculations.
(Lecture-discussion 2 hours, Laboratory 2 hours). Letter grade only (A-F).

470B. Clinical Radiation Physics II (3)
Prerequisites: HSC 470A, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
A continuation of the study of radiation physics with emphasis on electron beams, brachytherapy, intensity modulated radiotherapy, conformal radiotherapy and other emerging technologies. Radiation safety and protection also included.
(Lecture-discussion 2 hours, Laboratory 2 hours). Letter grade only (A-F).

475. Treatment Planning – Dosimetry (2)
Prerequisites: HSC 470A, B, concurrent enrollment in HSC 475L, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Examines the effects of treatment distance, field weighting, beam modifiers, irregular fields, tissue inhomogeneities and tissue compensation on dose. Dose calculations for external photon and electron beams.
(Lecture-discussion 2 hours). Letter grade only (A-F).

475L. Treatment Planning – Dosimetry Laboratory (1)
Prerequisites: Concurrent enrollment in HSC 475, admission to the Radiation Therapy Option Professional Preparation of consent of instructor.
Practical experience with calculation of treatment dose given a variety of clinical situations. Calculations to determine dose to critical structures or methods used to lower or avoid dose. Use of a treatment planning computer for complex field arrangements.
(Laboratory 3 hours) Letter grade only (A-F).

480. Advanced Radiation Therapy (2)
Prerequisites: Must be in final semester of Radiation Therapy Option Professional Preparation.
Synthesis of previous didactic and clinical information; examination of current and future professional issues, technological advances, ethics, professional organizations and continuing education.
(Lecture-discussion 2 hours) Letter grade only (A-F).

485. Internship in Community Health Education (3)
Prerequisites: Open to Health Science majors only. HSC 401 and consent of instructor.
Preparation for and introduction to work experience in a community health organization. A minimum of 80 hours work experience in a community health organization under direct supervision of a preceptor.
Letter grade only (A-F). (6 hours activity)

486. Internship and Careers in Community Health Education
Prerequisites: Open to Health Science majors only. HSC 485 and consent of instructor.
Culminating experience in a community health setting. Assess needs, plan and implement health education programs and strategies. Evaluation of work experience in a community health organization where a minimum of 120 hours work experience required under the direct supervision of a preceptor.
Letter grade only (A-F). (6 hours activity)

490. Independent Studies in Health Science (1-3)
Prerequisite: Consent of instructor.
Students conduct independent library or laboratory research under the supervision of a faculty member and write a report of the investigation. May be repeated to a maximum of 6 units.

492A. Internship in Health Care (1-7)
Prerequisite: Consent of instructor.
Supervised observation and field experience in community health and medical facilities. Student responsible for successful completion of clinical objectives applicable to area of observation.
Letter grade only (A-F).

492B. Internship in Health Care (1-9)
Prerequisites: Consent of instructor.
Supervised observation and field experience in community health and medical facilities. Student responsible for successful completion of clinical objectives applicable to area of observation.
Letter grade only (A-F).

497. Selected Topics in Health Science
Group investigation of selected topics. Topics are announced in the Schedule of Classes.
Letter grade only (A-F). May be repeated for a maximum of 6 units with different topics in different semesters.

GRADUATE LEVEL

500. Principles of Epidemiology (3)
Prerequisites: HSC 301 and HSC 403.
Application of epidemiologic procedures to the understanding of the occurrence and control of infectious and chronic diseases, mental
illness, environmental health hazards, accidents, and geriatric problems.
Letter grade only (A-F). (Lecture 3 hours.)

503. Advanced Community Health Statistics (3)
Prerequisite: HSC 403 or equivalent.
Analysis of quantitative health related data. Topics include mean and percentage comparisons, multiple regression, logistic regression and survival analysis. Use of computers is required.
Letter grade only (A-F). (Discussion, 3 hours)

507. Health Equity and Health Disparities Research in the US (3)
Prerequisites: Undergraduate major in Health Science or related field.
Explores socioeconomic, biologic, environmental, and institutional factors associated with health issues and disease. Students will learn about research and interventions to affect positive health outcomes and access for underserved, underrepresented diverse populations.
Letter grade only(A-F).

508. Administrative Relationships in Health Education Programs (3)
Prerequisite: Undergraduate major in Health Science or related field.
Introduction to administrative theory; investigation of administrative responsibilities and functions implicit in school health or other health education programs.
Letter grade only (A-F).

528. Advanced Environmental Health (3)
Prerequisite: HSC 422 or consent of instructor.
Organization and methods for promoting human health by controlling environmental factors.
Letter grade only (A-F).

534. Advanced Latino Nutrition, Health and Chronic Disease Prevention (3)
Prerequisite: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provides culturally relevant strategies for prevention.
Letter grade only (A-F). Same course as FCS 534. Not open for credit to students with credit in FCS 534.

535/.435. Health Promotion and Risk Reduction (3)
Prerequisites: HSC 421 or consent of instructor.
Health promotion/risk reduction program content, development and implementation for use in corporate, hospital and public settings. Intended primarily for Health Science majors.
Letter grade only (A-F). (Discussion 3 hours)

537. Culturally Responsive Nutrition Promotion for Latinos (3)
Prerequisites: Open to students enrolled in graduate programs in Family and Consumer Sciences, Health Science, or related fields.
Explores the need and methods to develop culturally and linguistically relevant nutrition education with a focus on the Latino population. Students will analyze, evaluate, and create culturally competent nutrition interventions for the Latino community.
Letter grade only (A-F). Same course as FCS 537. Not open for credit to students with credit in FCS 537.

570. Theoretical Concepts and Issues in Health Science (3)
Identification and analysis of current trends, philosophies and issues in health science.
Letter grade only (A-F).

581. Curriculum Development in Health Education (3)
Prerequisites: HSC 430, 440.
Principles of curriculum development; selection and evaluation of resource materials; theory and practice in measurement in health education.
Letter grade only (A-F).

585. Health Education Internship (1-6)
Prerequisite: Consent of the instructor.
Extended applied experience under guidance of faculty and preceptors in an approved health education practice setting.
Letter grade only (A-F). (480 hours of field placement or the equivalent experience.)

590. Independent Study (1-3)
Independent research conducted under the supervision of a full-time faculty member resulting in a written report of the investigation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics.

597. Selected Topics in Health Science (3)
Group investigation of selected topics. Topics are announced in the Schedule of Classes.
Letter grade only (A-F). May be repeated for a maximum of 6 units with different topics in different semesters.

624. Seminar in Community Analysis and Program Planning (3)
Prerequisites: HSC 625 or consent of instructor.
Process and techniques of community analysis and program planning.
Letter grade only (A-F).

625. Advanced Community Health Education (3)
Prerequisites: HSC 401 and 485; or consent of instructor.
Advanced study of educational and related theory applicable to the conduct of health education programs in community and other settings. Methods of promoting change; role as program and staff director and evaluation techniques.
Letter grade only (A-F).

626. Integrative Seminar in Public Health (3)
Prerequisites: HSC 570, advancement to candidacy.
Summative critical analysis of current methodologies, research, and practices in public health and health education in particular. Synthesis of coursework, internship, and other relevant experiences in the graduate program.
Letter grade only (A-F).

696. Research Methods (3)
Prerequisites: Undergraduate major in Health Science or related field; undergraduate course in statistics.
Introduction to research methodology in the area of Health Science.
Letter grade only (A-F).

697. Directed Studies (1-3)
Prerequisite: Advancement to candidacy.
Independent investigation of research problems in health education.
Letter grade only (A-F).

698. Thesis (1-3)
Prerequisites: HSC 696, advancement to candidacy.
Planning, preparation and completion of an approved thesis. May be repeated to a maximum of 6 units in different semesters.
HOSPITALITY MANAGEMENT

College of Health and Human Services
Department of Family and Consumer Sciences

Department Chair: Wendy Reiboldt
Department Office: Family and Consumer Sciences (FCS) - 001
Telephone / Fax: (562) 985-4484 / 985-4414
Website: www.csulb.edu/colleges/chhs/departments/fcs

Faculty: Mariné Aghekyan, Judith Anglin, Lee Blecher, Maria Claver, Gail C. Frank, Avery E. Goldstein, Libby Gustin, Dong-Eun Kim, James E. Koval, Peter Kreysa, Jacqueline D. Lee, Margaret Lichty, Suzanne Marshall, Nilufer Medora, Wendy Reiboldt, Lydia Sondhi (emerita), M. Sue Stanley, Richard V. Tuveson, Jung-Mao (Ronnie) Yeh

HFHM Program Director: Lee Blecher
Baccalaureate Program Coordinator: Richard V. Tuveson
Graduate Coordinator: Jacqueline D. Lee
Single Subject Credential Advisor: Margaret Lichty

Administrative Support Coordinators:
Mikal Lok, Marina Bendersky

Instructional Support Technician: Bonnie Rice

Career Possibilities
Restaurant Manager • Hotel Manager • Catering Director • Foodservice Manager in College, University or Corporate Setting • Manager in a Bed and Breakfast Facility • Healthcare Hospitality Director • School Foodservice Director • Club Manager • Manager in Senior Nutrition Programs, Stadiums or Amusement Parks • Food Purchaser or Broker.
(For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Science in Hospitality Management (120 units)

The program is accredited by the Accreditation Commission for Programs in Hospitality Administration. This program provides a broad-based foundation and includes hands-on practical experience. It prepares students for entry into a multi-ethnic and multi-cultural domestic and international job market.

In addition to general education requirements (48 units), complete a minimum of 40 units from the major department, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this university and it is accepted by this university.

Requirements
Take all of the following required courses:

ACCT 201 Elementary Financial Accounting (3)
Prerequisites: None.

CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

COMM 110 Interpersonal Communication (3)
(or equivalent)
Corequisites: Concurrent enrollment in COMM 110 Workshop.

ECON 100 Principles of Macroeconomics (3)
Prerequisites: MATH 103 or higher and one GE Foundation course.

ECON 101 Principles of Microeconomics (3)
Prerequisites/Corequisites: MATH 103 or higher.

FCSE 299 Introduction to FCS (1)
Prerequisites: None.

FCSE 499 Professionalism and Leadership in FCS (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course work in Family and Consumer Sciences.

HFHM 170 Intro to Hospitality Foodservice and Hotel Management (3)
Prerequisites: None.

HFHM 173 Applied Foodservice Sanitation (1)
Prerequisites: None.

HFHM 176 Fundamentals of Food Preparation (2)
Recommended corequisite: CHEM 100 or equivalent.

HFHM 274 International Hospitality Development (3)
Prerequisites: ENGL 100 or equivalent.

HFHM 276 Food Production and Service in Hospitality Foodservice and Hotel Management (3)
Prerequisites: HFHM 173, HFHM 176 or 235.

HFHM 371 Human Resources in Foodservice and Lodging Management (3)
Prerequisites: Consent of instructor.

HFHM 372 Hotel and Lodging Management (3)
Prerequisites: HFHM 270.

HFHM 373 Hotel and Restaurant Information Technology (3)
Prerequisites: HFHM 270 or consent of instructor.

HFHM 376 Customer Service Management in the Hospitality Foodservice and Hotel Industry (3)
Prerequisites: HFHM 270.

HFHM 378 Legal Issues in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Upper division standing or consent of instructor.

HFHM 379 Field Studies in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Upper division standing or consent of instructor.

HFHM 471 Hotel & Lodging Property Management (3)
Prerequisites: HFHM 372 or consent of instructor.

HFHM 474 Cost Control in Hospitality Foodservice and Hotel Management (3)
Prerequisites: HFHM 275 or 276 or consent of instructor.

HFHM 476 Hotel and Restaurant Financial Management (3)
Prerequisites: ACCT 201 and HFHM 270.

514 • Hospitality Management • 2012/2013 CSULB Catalog
HFHM 492J Internship in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Student must be a major or minor in Hospitality Foodservice and Hotel Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Foodservice and Hotel Management; and HFHM 275 or 276 or 372, and 800 hours of approved work experience. Each prerequisite course must be completed with a grade of "C" or better.

MKTG 300 Marketing (3)
Prerequisites: ECON 100, 101.

NUTR 132 Introductory Nutrition (3)
Prerequisites/Corequisites: One Foundation course.

PHIL 160 Introductory Ethics (3)
Prerequisites/Corequisites: Any course from GE Foundation categories A.1 (Written English), A.2 (Oral Communication), or A.3 (Critical Thinking).

REC 340I Leisure in Contemporary Society (3)
Prerequisites: GE Foundations requirements; one or more Exploration courses; upper division standing.

STAT 108 Statistics for Everyday Life or equivalent (3)
Prerequisites: None.

Take one of the following courses:

PSY 100 Intro to Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

SOC 100 Intro to Sociology (3)
Prerequisites/Corequisites: A GE Foundation course.

Take 9 units from the following for enhanced professional knowledge and specialization:

HFHM 374 Meeting Planning in Hotels & Restaurants (3)
Prerequisites: HFHM 2703

HFHM 375 Food Production Systems II (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 173 and 275.

HFHM 472 Advanced Hotel Administration (3)
Prerequisites: HFHM 372.

HFHM 473 Beverage Management (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276, senior standing; Nutrition and Dietetics majors: HFHM 275, senior standing.

HFHM 477 Foodservice Management (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 275.

A minimum of 6 units of pre-approved coursework taken as major electives to develop individual interests are selected in consultation with a faculty advisor from the following:

Any HFHM major course not selected; CAFF 429; FCSE 486, 497; GEOG 352; GERN 400L; additional units of HFHM 492J; IS 301; NUTR 336, 439; REC 141, 325, 462, 465, 468; or others as approved by advisor.

Each course on the student’s program planner must be completed with a grade of a "C" or better. In addition, a course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in a course for which it is a prerequisite. A student receiving a grade lower than a "C" may proceed with other courses with the approval of the student’s faculty advisor.

HFHM 492J requires 800 hours of approved work experience as a prerequisite for this degree. Field study hours in HFHM 379 can be used toward meeting the 800 hours.

Minor in Hospitality Management

The 22-unit Minor in Hospitality Management is available to any non-Hospitality Management major.

Take all of the following:

HFHM 170 Intro to Hospitality Foodservice and Hotel Management (3)
Prerequisites: None.

HFHM 173 Applied Foodservice Sanitation (1)
Prerequisites: None.

Take one of the following:

HFHM 379 Field Studies in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Upper division standing or consent of instructor.

HFHM 492J Internship in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Student must be a major or minor in Hospitality Foodservice and Hotel Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Foodservice and Hotel Management; and HFHM 275 or 276 or 372, and 800 hours of approved work experience. Each prerequisite course must be completed with a grade of "C" or better.

Take 15 units selected from the following:

HFHM 176 or 235, 274, 275 or 276, 372, 373, 374, 375, 376, 378, 471, 472, 473, 474, 476 and 477.

Students are responsible to adhere to all prerequisites of courses as designated in the catalog. Certain combinations of classes could require additional units. Please see an advisor for help in making these decisions.

Minor In Event Planning Management

For requirements, see description in the Recreation and Leisure Studies section of this catalog.

Hospitality Foodservice and Hotel Management Courses (HFHM)

LOWERS DIVISION

170. Introduction to Hospitality Foodservice and Hotel Management (3)
Introduction to hospitality foodservice and hotel industry and historical overview of field. Careers in hospitality foodservice and hotel management defined. Explore relationship of careers to community and foodservice and hotel/lodging industry. Overview of organization and current forces shaping foodservice and hotel operations.

Not open for credit to students with credit in HFHM 270. (Lecture-discussion 3 hours)

173. Applied Foodservice Sanitation (1)
Principles of sanitation and safety; the causes and controls of food borne illnesses, sanitary practices with purchasing, receiving, storing and preparing food, principles HACCP, sanitary maintenance of kitchen, dining room and equipment, personal hygiene, and safety of the food handler.

Letter grade only (A-F). (Lecture-discussion 1 hour)

176. Fundamentals of Food Preparation in Hospitality Foodservice and Hotel Management (3)
Recommended corequisite: CHEM 100 or equivalent.
Covers basic scientific principles related to various foods and food preparation methods from the perspective of the restaurant and
foodservice industry. Fundamental skills and techniques used for handling and preparing foods to maintain quality and safety are covered.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours).

235. Principles of Food Preparation (3)
Application of scientific principles in the preparation of selected food products emphasis on physical and chemical properties of food; methods and techniques of food preparation; factors that contribute to quality of prepared foods.

Letter grade only (A-F). (Lecture-discussion 2 hours, Laboratory 3 hours) Course fee may be required.

274. International Hospitality Development (3)
Prerequisites: ENGL 100 or equivalent.

International hospitality foodservice and hotel management. Issues and problems in the hotel and restaurant industry from a global perspective. Dynamics of human interaction in a multi-ethnic and multi-cultural global job market.

(Discussion 3 hours)

275. Food Production Systems I (3)
Prerequisites: NUTR 132 and HFHM 235.

Factors which influence individual, family and quantity foodservice. Menu planning and food selection, preparation and service in relation to management of time, energy and money. Foodservice practices for regular meals and special occasions.

Course fee may be required. (Lecture-discussion 2 hours, lab 3 hours)

276. Food Production and Service in Hospitality Foodservice and Hotel Management (3)
Prerequisites: HFHM 173, HFHM 176 or 235.

Fundamentals of planning, organizing, preparing, and serving of meals as applicable to hospitality foodservice and hotel industry. Operations relative to provision of quality food and beverage services included.

Letter grade only (A-F). Course fee may be required. (Lecture-discussion 2 hours, laboratory 3 hours)

UPPER DIVISION

301. College Dining Services & Bookstore Administration (3)
Prerequisite: Consent of instructor.

Academic and experiential learning in management of college dining services and bookstore. Internship for student employees of Forty-Niner Shops, Inc.; 150 hrs of work experience, 18 hrs of classroom instruction.

371. Human Resources in Foodservice and Lodging Management (3)
Prerequisites: HFHM 176 or 235 and upper division standing; or consent of instructor.

Application of human resources management in the foodservice and lodging industries. Includes recruitment, selection, training and development, organizing a workforce, supervision, performance leadership, workplace safety, labor relations, and related legal issues.

Letter grade only (A-F).

372. Hotel and Lodging Management (3)
Prerequisite: HFHM 170.

Organization and management of hotel and lodging facilities. Covers functions of various operational departments and how they interrelate. Importance of assuring quality guest service emphasized.

Fieldtrips may be required. (Lecture - discussion 3 hours)

373. Hotel and Restaurant Information Technology (3)
Prerequisites: HFHM 170 or consent of instructor.

Management of information systems found in hotel & restaurant industry. Includes applications of technology and computer systems facilitating front office, sales and marketing management, restaurant management, customer service, and communications in hotel and restaurant operations.

Letter grade only (A-F). (Lecture activity 3 hours)

374. Meeting Planning in Hotels and Restaurants (3)
Prerequisites: HFHM 170.

Planning, organizing, and implementing meetings in the hotel and restaurant industry. Factors necessary to provide food, lodging, and facility services for meetings and special functions are included.

Letter grade only (A-F). (Lecture/Discussion 3 hours)

375. Food Production Systems II (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 173 and 275.

Quantity food operations utilized providing production and operational experiences: menu planning, costing, standardizing recipes, serving, merchandising, sanitation and safety. Commercial and non-commercial settings are used.

Letter grade only (A-F). (Lecture - discussion 2 hours, Laboratory 3 hours)

376. Customer Service Management in the Hospitality Foodservice and Hotel Industry (3)
Prerequisites: HFHM 170.

Examine components of customer service management and guest relations in foodservice and lodging industries. Importance of quality customer service’s relationship to success of operations in the industry.

Letter grade only (A-F). Fieldtrips and off-campus activities required. (Lecture-activity 3 hours)

378. Legal Issues in Hospitality Foodservice and Hotel Management (3)
Prerequisite: Upper division standing or consent of instructor.

Examine evolving laws of foodservice and lodging both historically and as they exist today.

(Lecture discussion 3 hours)

379. Field Studies in Hospitality Foodservice and Hotel Management (1-3)
Prerequisites: Upper division standing or consent of instructor.

Structured experiential learning designed to expand professional experiences and enhance development of competencies required for performance in hospitality foodservice and hotel management. May be repeated to a maximum of 6 units. (Seminar 1-3 hours)

471. Hotel and Lodging Property Management (3)
Prerequisites: HFHM 372 or consent of instructor.

Management principles and practices applied to maintenance of hotel and lodging facilities. Strategies for maintaining hotels to ensure customer safety and satisfaction are included.

Letter grade only (A-F). (Lecture activity 3 hour) Field trips required.

472. Advanced Hotel Administration (3)
Prerequisites: HFHM 372.

Principles of organization, administration, and leadership in hotel and lodging operations. Topics include organizational management, human resource management, productivity, marketing, financial management, and quality service management.

Letter grade only (A-F). (Lecture activity 3 hour) Field trips required.
473. Beverage Management (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276, senior standing; Nutrition and Dietetics majors: HFHM 275, senior standing.
Overview of the beverage industry. Identification, use, and service of wines and other alcoholic and non-alcoholic beverages, with an in-depth analysis of the various elements of beverage operations including purchasing, control, merchandising, and bar management.
Field trips required. (Discussion 3 hours)

474. Cost Control in Hospitality Foodservice and Hotel Management (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 275.
Financial management of food, labor, supplies, and other operational costs; procedures for controlling purchasing, receiving, storing, and issuing of food, beverage, and supplies; inventory and security management; computer applications; and analysis of financial reports.
(Lecture - discussion 3 hours)

476. Hotel and Restaurant Financial Management (3)
Prerequisites: ACCT 201 and HFHM 170.
Managerial and financial analysis of numerical data and reports used for planning, controlling, and decision making in the hotel and restaurant industry. Topics include ratio analysis, internal control, sales, revenue and cost management, cash control, budgeting, and feasibility studies as applied to the hotel and restaurant operations.
Letter grade only (A-F). (Lecture Activity 3 hours).

477. Foodservice Administration (3)
Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 375.
Explore organization and administration in commercial and non-commercial foodservice operations. Includes food purchasing, receiving, storage, inventory control, marketing, organizational management, human resource management, productivity, financial management, and quality management.
Fieldtrips required. (Discussion 3 hours)

492J. Internship in Hospitality Foodservice and Hotel Management (3)
Prerequisites: Student must be a major or minor in Hospitality Foodservice and Hotel Management; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Hospitality Foodservice and Hotel Management; and HFHM 275 or 276 or 372, and 800 hours of approved work experience. Each prerequisite course must be completed with a grade of “C” or better.
Field experience in which student assumes a preprofessional role in a professional setting. Objectives developed by student with supervisor must be approved by major advisor and form the basis for evaluation.
May be repeated for 6 units maximum. (Seminar 3 hours)
Department Chair: Sharon R. Guthrie
Department Office: Health and Human Services (HHS) 2, Rm. 105
Telephone: (562) 985-4051
Website: http://www.csulb.edu/colleges/chhs/departments/kin/
Faculty: D. Margaret Costa, Jill A. Crussemeyer, James A. Davis,
Keith W. Freesemann, Christine Galvan, Sharon R. Guthrie,
Grant M. Hill, Kerrie Kauer, Jeff L. Kress, Barry W. Lavay, Mikiko
Nakajima, Clayre K. Petray, Ralph Rozenek, Jan M. Schroeder,
Emyr W. Williams, Alison M. Wrynn, Will Wu, Douglas E. Young
Department Coordinator: Stacia Ticer

Career Possibilities
Allied Health Professions Programs: Certified Athletic
Trainer • Educator/Professor • Researcher • Certified
Kinesiotherapist
Exercise Science and Fitness: Strength and Conditioning
Coach • Educator/Professor • Researcher • Exercise
Technician • Fitness Specialist • Exercise Physiologist •
Exercise Specialist
Physical Education Teacher Education (PETE):
Physical Educator • Adapted Physical Education Specialist •
Sport Coach • High School Athletic Administrator • Educator/
Professor • Researcher
Sport Studies: Sport Coach • Educator/Professor •
Researcher • Mental Training Consultant/Sport Psychologist •
Sport Manager • College Athletic Administrator
(For more information, see www.careers.csulb.edu.) Various
entry-level trainee positions are available for graduates,
regardless of academic discipline.

Introduction
The mission of the Department of Kinesiology is to
facilitate wellness among individuals through the study
and application of human movement principles across the
lifespan and through the management of and participation
in physical activity, exercise, and sport. The Department
serves the needs of students completing majors in other
fields who find that certain aspects of kinesiology are
important to professional objectives and personal interests.

Programs at a Glance
• Bachelor of Arts in Kinesiology in two options
• Bachelor of Science in Kinesiology in four options
• Bachelor of Science in Athletic Training
• Master of Arts in Kinesiology in five options
• Master of Science in Kinesiology in four options
• Single Subject Teaching Credential in Physical Education
  (K-12)
• Single Subject Teaching Authorization in Adapted Physical
  Education (K-12)
• Wilderness Studies Certificate
• Kinesiotherapy Certificate

In addition to the degree requirements for the Bachelor
of Arts in Kinesiology and the Bachelor of Science in
Kinesiology, the Major must meet the following Department
policies and requirements for University graduation:
1. Each major course and prerequisite course must be
   completed with a grade of “C” or better. A course in which
   a grade lower than a “C” is received must be retaken and
   successfully completed prior to enrolling in any other course
   for which it is a prerequisite;
2. Upper-division courses may not be waived by substitution or
   examination without Department petition and approval;
3. Department approval.

Undergraduate Programs

Bachelor of Arts in Kinesiology
Students pursuing a B.A. degree in Kinesiology must
complete requirements plus one of the two Options.

Option in Adapted Physical Education –
Teacher Education (120 units)
This option places emphasis on teaching public school PE
to students with disabilities in preschool through grade 12.
Completion of this option meets Commission on Teacher
Credentialing requirements for subject matter competence for
the Single Subject Teaching Authorization in Adapted Physical
Education (K-12).
This option is being revised to meet new state standards for
subject matter competence for physical education teachers.
When the revised program has been approved by the
Commission on Teacher Credentialing, the new requirements
will be in effect superseding current requirements.

Requirements
Lower Division:
Take all of the following courses:
   BIOL 207 Human Physiology (4)
   Prerequisites: GE Foundation requirements.
   BIOL 208 Human Anatomy (4)
   Prerequisites: GE Foundation requirements.
   PSY 100 General Psychology (3)
   Prerequisites/Corequisites: GE A1 requirement.
   KIN 149A Self Defense (1)
   Prerequisites: None.
   KIN 237 Techniques and Analysis of Aquatic Skills (2)
   Prerequisites: KIN 125A or 125B or consent of instructor,
   American Red Cross Community First Aid and CPR
   certifications or equivalent. To maintain enrollment, students
   must pass the swimming proficiency examination that will be
   administered the first week of instruction.
   KIN 250 Techniques of Basketball (1)
   Prerequisites: None.
   KIN 251 Techniques of Flag Football (1)
   Prerequisites: None.
   KIN 253 Techniques of Soccer (1)
   Prerequisites: None.
   KIN 255 Techniques of Softball (1)
   Prerequisites: None.
   KIN 257 Techniques of Volleyball (1)
   Prerequisites: None.
KIN 261 Techniques and Analysis of Fundamental Rhythms (2)
Prerequisites: None.

KIN 264 Techniques of Golf (1)
Prerequisites: None.

KIN 265 Techniques of Gymnastics (1)
Prerequisites: None.

KIN 266 Techniques of Badminton (1)
Prerequisites: None.

KIN 267 Techniques of Tennis (1)
Prerequisites: None.

KIN 268 Techniques of Track and Field (1)
Prerequisites: None.

KIN 270 Professional Practices in Public School Physical Education (3)
Prerequisites: None.

Upper Division:

Take all of the following courses:

KIN 300 Biomechanics of Human Movement (3)
Prerequisites: BIOL 208 or equivalent.

KIN 301 Exercise Physiology (3)
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of "C" or better or consent of instructor.

KIN 312 Motor Control and Learning (3)
Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

KIN 315 Motor Development (3)
Prerequisites: BIOL 207, 208; PSY 100 or equivalent.

KIN 320 Adapted Physical Education (3)
Prerequisites: BIOL 208.

KIN 332I Sociocultural Dimensions of Sport and Human Movement (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.

KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)
Prerequisites: Upper Division Standing.

KIN 343 Techniques and Analysis of Fitness (2)
Prerequisites: KIN 270.

KIN 370 Movement Theory and Practice of Elementary Physical Education (3)
Prerequisites: KIN 270.

KIN 380 Principles, Organization and Management of Secondary School Physical Education (3)
Prerequisites: KIN 149, 237, 250, 253, 255, 257, 261, 284, 285, 286, 287, 288, 343, 370 or consent of instructor. Corequisites: EDSS 300P.

KIN 387 Physical Activities for the Disabled (3)
Prerequisites: KIN 320, 427. Corequisites: KIN 489A.

KIN 388 Program Planning and Instruction in Adapted Physical Education (3)
Prerequisites: KIN 387. Corequisites: KIN 489A.

KIN 427 Physical and Motor Assessment (3)
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing.

KIN 460 Applied Theory and Analysis of Non-Traditional Physical Education Games & Activities (2)
Prerequisites: KIN 370, senior standing.

A fieldwork, field experience or internship course requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

Single Subject Teaching Authorization in Adapted Physical Education (K-12)

In addition to meeting the subject matter competence requirement for the Teaching Credential, prospective Adapted Physical Education teachers are also required to complete 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching, as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website (www.ced.csulb.edu/single-subject) for a description of the professional preparation requirements, courses, and application procedures.

Option in K-12 Physical Education – Teacher Education (120 units)

Completion of this option meets the subject matter competence requirement for the Single Subject Teaching Credential in Physical Education. Prospective students should consult the department's Physical Education Advisor early to plan their program.

Requirements

Lower Division:

Take all of the following courses:

BIOL 207 Human Physiology (4)
Prerequisites: GE Foundation requirements.

BIOL 208 Human Anatomy (4)
Prerequisites: GE Foundation requirements.

PSY 100 General Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

KIN 149A Self Defense (1)
Prerequisites: None.

KIN 237 Techniques and Analysis of Aquatic Skills (2)
Prerequisites: KIN 125A or 125B or consent of instructor. To maintain enrollment, students must pass the swimming proficiency examination that will be administered the first week of instruction.

KIN 250 Techniques of Basketball (1)
Prerequisites: None.

KIN 251 Techniques of Flag Football (1)
Prerequisites: None.

KIN 253 Techniques of Soccer (1)
Prerequisites: None.

KIN 255 Techniques of Softball (1)
Prerequisites: None.

KIN 257 Techniques of Volleyball (1)
Prerequisites: None.

KIN 261 Techniques & Analysis of Fundamental Rhythms (2)
Prerequisites: None.

KIN 264 Techniques of Golf (1)
Prerequisites: None.

KIN 265 Techniques of Gymnastics (1)
Prerequisites: None.
KIN 266 Techniques of Badminton (1)  
Prerequisites: None.

KIN 267 Techniques of Tennis (1)  
Prerequisites: None.

KIN 268 Techniques of Track and Field (1)  
Prerequisites: None.

KIN 270 Professional Practices in Public School Physical Education (3)  
Prerequisites: None.

Upper Division:  
Take all of the following courses:  
KIN 300 Biomechanics of Human Movement (3)  
Prerequisites: BIOL 208 or equivalent.

KIN 301 Exercise Physiology (3)  
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of "C" or better or consent of instructor.

KIN 312 Motor Control and Learning (3)  
Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

KIN 315 Motor Development (3)  
Prerequisites: BIOL 207, 208; PSY 100 or equivalent.

KIN 320 Adapted Physical Education (3)  
Prerequisites: BIOL 208.

KIN 332I Sociocultural Dimensions of Sport and Human Movement (3)  
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.

KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)  
Prerequisites: Upper Division Standing.

KIN 343 Techniques and Analysis of Fitness (2)  
Prerequisites: KIN 270.

KIN 350 Movement Theory and Practice of Elementary Physical Education (3)  
Prerequisites: KIN 270.

KIN 380 Principles, Organization and Management of Secondary School Physical Education (3)  
Prerequisites: KIN 149, 237, 250, 253, 255, 257, 261, 264, 265, 266, 267, 268, 343, 370 or consent of instructor. Corequisites: EDSS 300P.

KIN 457 Applied Theory of Teaching Team Sports (3)  
Prerequisites: KIN 250, 251, 253, 255, 257, 270 or consent of instructor; senior standing.

KIN 460 Applied Theory and Analysis of Non-Traditional Physical Education Games & Activities (2)  
Prerequisites: KIN 370, senior standing.

KIN 461 Applied Theory of Teaching Individual & Dual Sports (3)  
Prerequisites: KIN 237, 264, 265, 266, 267, 268, 270, or consent of instructor.

KIN 477 Measurement and Curriculum in Physical Education (3)  
Prerequisites: KIN 343 and KIN 370 or consent of instructor.

A fieldwork, field experience or internship course requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

Single Subject Teaching Credential in Physical Education (K-12)  
In addition to meeting the subject matter competence requirement for the Teaching Credential, prospective Physical Education teachers are also required to complete 45 units of professional preparation in the Single Subject Credential Program, including student teaching. Students may begin the professional preparation courses as early as the junior year. With careful planning, it is possible to complete all of the credential program courses, except for student teaching, as an undergraduate. Courses may also be completed as a post-baccalaureate student. Refer to the Single Subject Teacher Education section of this catalog or the Single Subject Credential Program website (www.ced.csulb.edu/single-subject) for a description of the professional preparation requirements, courses, and application procedures.

Adapted Physical Education Specialist Teaching Authorization  
This program is designed for students interested in the administration and implementation of physical activity programs for persons with disabilities in K-12 schools. Completion of this program results in the Adapted Physical Education added authorization for holders of a current Single Subject, Multiple Subject, or Education Specialist basic teaching credential.

Requirements  
1. Bachelor’s degree;  
2. Concurrent enrollment in or completion of the Single Subject Physical Education teaching credential program or the Multiple Subject or Education Specialist teaching credential program;  
3. Take the following courses:  
KIN 320 Adapted Physical Education (3)  
Prerequisites: BIOL 208.

KIN 387 Physical Activities for the Disabled (3)  
Prerequisites: KIN 320, 427. Corequisites: KIN 489A.

KIN 388 Program Planning and Instruction in Adapted Physical Education (3)  
Prerequisites: KIN 387. Corequisites: KIN 489A.

KIN 427 Physical and Motor Assessment (3)  
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing; consent of instructor required for graduate students prior to registration.

KIN 489A Field Work in Physical Activity Settings (6)  
Prerequisites: Completion of Kinesiology course requirements for the major option in which field work is taken.

EDSP 350 Education of Exceptional Individuals (3)  
Prerequisites: None.

Select two courses from the following:  
ED P 405; EDSP 577, 578; KIN 526; LING 151.

Bachelor of Science in Kinesiology  
Students pursuing the Bachelor of Science degree in Kinesiology must complete the course requirements and the physical fitness proficiency of each Option. Students may select their area of specialization from the Options described below.
Option in Exercise Science (120 units)

**Admission Under Impaction**
Refer to the following website for additional impaction criteria: [http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html](http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html).

**Requirements**

**Core:**
- Take all of the following courses:
  - BIOL 207 Human Physiology (4)
    - Prerequisites: GE Foundation requirements.
  - BIOL 208 Human Anatomy (4)
    - Prerequisites: GE Foundation requirements.
  - KIN 300 Biomechanics of Human Movement (3)
    - Prerequisites: BIOL 208 or equivalent.
  - KIN 301 Exercise Physiology (3)
    - Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of "C" or better or consent of instructor.
  - KIN 312 Motor Control and Learning (3)
    - Prerequisites: For KIN majors: BIOL 207, 208; PSY 100.
    - For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

**Lower Division:**
- Take all of the following courses:
  - MATH 113 (or higher) Precalculus Algebra (3)
    - Prerequisites: Appropriate ELM score, ELM exemption or MAPB11.
  - CHEM 111A General Chemistry (5)
    - Prerequisites: A passing score on the Chemistry Placement Examination (credit in CHEM 191 does not substitute for a passing score on the Chemistry Placement Examination) and a "C" or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended.
  - CHEM 111B General Chemistry (5)
    - Prerequisites: CHEM 111A with a grade of "C" or better.
  - KIN 263 Techniques of Physical Fitness (2)
    - Prerequisites: None.
  - PHYS 100A General Physics (4)
    - Prerequisites: MATH 109 or 113 or 117 or 119A or 120 or 122.
  - PHYS 100B General Physics (4)
    - Prerequisites: PHYS 100A.
  - PSY 100 General Psychology (3)
    - Prerequisites/Corequisites: GE A1 requirement.

**Upper Division:**
- Take all of the following courses:
  - KIN 201 Scientific Foundations of Locomotion (3)
    - Prerequisites: KIN 300 or equivalent.
  - Take one of the following courses:
    - KIN 430 Motor Control Principles and Theory (3)
      - Prerequisites: KIN 312 or equivalent.
    - KIN 431 Scientific Foundations of Locomotion (3)
      - Prerequisites: KIN 300, 312.
  - Take one of the following courses:
    - KIN 483 Statistics in Human Movement Science (3)
      - Prerequisites: KIN 300, 301, 312.
    - KIN 260 Biostatistics (3)
      - Prerequisites: BIOL 211 or BIOL 207 or MICR 200; MICR 200; MATH 111 or 113 or 119A or 122 all with a grade of "C" or better.
    - Take three of the following courses:
      - KIN 339I, 462, 465, 466, 432.
    - Take 18 units (minimum 6 units from KIN) of elective courses from the following:
      - BIOL 200, 211, 212, 213 (BIOL 111 and 111L, 212 and 212L, 213 and 213L if courses taken prior to this catalog year), 301, 340, 341, 342 and 342L, 345, 441, 443, 445; CHEM 327, 448; NUTR 132, 331A, 331B, 439; H SC 150; KIN 315, 320, 339I*, 364, 367, 430*, 431*, 432*, 462*, 465*, 466*, 471, 494, 495, 497; MICR 200, 211; PSY 327I, 370.
  - *If not taken as one of the major required upper-division courses.

A fieldwork, field experience or internship course requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training: Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

**Option in Fitness (120 units)**

**Requirements**

**Core Courses:**
- BIOL 207 Human Physiology (4)
  - Prerequisites: GE Foundation requirements.
- BIOL 208 Human Anatomy (4)
  - Prerequisites: GE Foundation requirements.
- KIN 300 Biomechanics of Human Movement (3)
  - Prerequisites: BIOL 208 or equivalent.
- KIN 301 Exercise Physiology (3)
  - Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of "C" or better or consent of instructor.
- KIN 312 Motor Control and Learning (3)
  - Prerequisites: For KIN majors: BIOL 207, 208; PSY 100.
  - For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

**Lower Division:**
- NUTR 132 Introductory Nutrition (3)
  - Prerequisites/Corequisites: One Foundation course.
- PSY 100 General Psychology (3)
  - Prerequisites/Corequisites: GE A1 requirement.
- STAT 108 Statistics for Everyday Life (3)
  - Prerequisites: None.
- KIN 218 Introduction to the Fitness Industry (2)
  - Prerequisites: None.
- KIN 263 Techniques of Physical Fitness (2)
  - Prerequisites: None.

**Physical Activity Courses:**
- Take a minimum of 7 units selected from different classes chosen from the following:
Upper Division:
KIN 339I Psychology of Sport Behavior and Athletic Performance (3)
Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.
KIN 363 Theory and Analysis of Group Fitness Instruction (2)
Prerequisites: KIN 263.
KIN 364 Fitness for Adult Populations with Unique Health Considerations (3)
Prerequisites: KIN 301.
KIN 367 Fitness and the Aging Process (3)
Prerequisites: KIN 301.
KIN 368 Resistance Training for Fitness (3)
Prerequisites: KIN 300 and 301.
KIN 467 Fundamentals of Personal Training (3)
Prerequisites: KIN 368. Open to Fitness Option students in Kinesiology only, or consent of instructor.
KIN 468 Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301.
KIN 469 Fitness Management (3)
Prerequisites: KIN 363, 368.
KIN 478 Psychological Aspects of Exercise and Fitness (3)
Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
KIN 489D Fieldwork in Fitness (3)
Prerequisites: Completion of Kinesiology course requirement for the major option in which the field work is taken. KIN 467, completion of 200 hours in a corporate fitness setting, 200 hours in a traditional fitness setting and 100 hours of approved fitness experience.
Take one of the following:
KIN 332I Sociocultural Dimensions of Sport and Human Movement (3)
Prerequisites: GE Foundation requirement, one or more Exploration course and upper-division standing.
KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)
Prerequisites: Upper division standing.
Take nine units of elective courses from the following:
* If not taken as one of the major required upper-division courses.

A fieldwork, field experience, or internship requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response Program: Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

**Option in Kinesiotherapy (120 units)**

This Option is designed for those students who would like to train to become a Kinesiotherapist. Kinesiotherapy is defined as the application of scientifically based exercise principles adapted to enhance the strength, endurance, and mobility of individuals with functional limitations or those requiring extended physical conditioning.

The Kinesiotherapist is a health care professional competent in the administration of musculoskeletal, neurological, ergonomic, biomechanical, and task specific functional tests and measures. Kinesiotherapists provide a bridge between acute illness and physical wellness. They work primarily with medically stable patients to assist them in reaching their optimal level of functional capacity. They are skilled in adapting scientifically based exercises to accommodate in the medical/surgical limitations of their clients.

Current employment settings of program graduates for registered Kinesiotherapists are: Department of Veteran Affairs, Department of Defense (e.g., Civilian Wellness Programs), Medical centers, Medical fitness facilities, Rehabilitation facilities, Learning disability centers, Colleges and universities, Workman’s compensation programs conducting functional capacity evaluations.

While the coursework in this Option is designed for students preparing for careers in Kinesiotherapy, it can also accommodate students interested in other allied health disciplines. If the student plans on using the Option coursework for that purpose, he/she may be required to enroll in additional courses outside the Option.

**Admission Under Impaction**

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

**Requirements**

Core Courses:

- Take the following:
  - BIOL 207 Human Physiology (4)
    Prerequisites: GE Foundation requirements.
  - BIOL 208 Human Anatomy (4)
    Prerequisites: GE Foundation requirements.
  - KIN 300 Biomechanics of Human Movement (3)
    Prerequisites: BIOL 208 or equivalent.
  - KIN 301 Exercise Physiology (3)
    Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of “C” or better or consent of instructor.
  - KIN 312 Motor Control and Learning (3)
    Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

Lower Division:

- Take the following:
  - KIN 217 Introduction to Kinesiotherapy (2)
    Prerequisites: None.
  - KIN 263 Techniques in Physical Fitness (2)
    Prerequisites: None.
  - PSY 100 General Psychology (3)
    Prerequisites/Corequisites: GE A1 requirement.
  - PSY 210 Introduction to Statistics (4)
    Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.
  - PSY 220 Research Methods (4)
    Prerequisites: PSY 100, 210, GE A1 requirement.
  - PSY 241 Psychobiology (3)
    Prerequisites: PSY 100, GE A1 requirement.

Upper Division:

- Take the following:
  - ATEP 309 Developmental & Therapeutic Exercise (3)
    Prerequisites: KIN 300, 301 or consent of instructor.
  - GERN 400I Perspectives on Gerontology (3)
    Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.
Option in Sport Psychology and Leadership (120 units)

This option has two concentrations – one in Sport Psychology and one in Leadership. The course work for both concentrations is the same except for the activity courses and the elective courses. The option is designed for students interested in careers in: 1) sport psychology; and 2) coaching outside the public school system (K-12), e.g., sport management/leadership; coaching professional athletes, coaching youth-sport athletes, and coaching in sport academies.

Requirements

Core Courses
- PSY 100 General Psychology (3)
  Prerequisites: None.

Lower Division:
- BIOL 207 Human Physiology (4)
  Prerequisites: GE Foundation requirements.
- BIOL 208 Human Anatomy (4)
  Prerequisites: GE Foundation requirements.
- KIN 300 Biomechanics of Human Movement (3)
  Prerequisites: BIOL 208 or equivalent.
- KIN 301 Exercise Physiology (3)
  Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of "C" or better or consent of instructor.
- KIN 312 Motor Control and Learning (3)
  Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

Upper Division:
- KIN 332I Sociocultural Dimensions of Sport/Human Movement (3)
  Prerequisites: BIOL 207, 208; PSY 100.
- KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)
  Prerequisites: Upper division standing.
- KIN 338I Women in Sport (3)
  Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.
- KIN 339I Psychology of Sport Behavior and Athletic Performance (3)
  Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.
- KIN 472 Applied Sport and Exercise Psychology (3)
  Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
- KIN 475 Psychology of Coaching (3)
  Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
- KIN 478 Psychological Aspects of Exercise & Fitness (3)
  Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
- PSY 356 Personality (3)
  Prerequisites: PSY 100, GE Foundation requirement and upper division standing.

Concentration in Sport Psychology

Elective Courses:
Select 15 units (minimum 3 units from KIN and 9 units from PSY). At least 7 units must be upper division) from the following courses:

Prerequisites:
- KIN 315 Motor Development (3)
  Prerequisites: BIOL 207, 208; PSY 100 or equivalent.
- KIN 320 Adapted Physical Education (3)
  Prerequisites: BIOL 208.
- KIN 367 Fitness and the Aging Process (3)
  Prerequisites: KIN 301.
- KIN 427 Physical and Motor Assessment (3)
  Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing.
- KIN 485 Neurological and Pathological Foundations for Kinesiotherapy (3)
  Prerequisites: BIOL 207, 208; KIN 300, 301, 320, 489F or equivalent; upper-division undergraduate or graduate standing.
- KIN 489F Fieldwork in Kinesiotherapy (3)
  Prerequisites: Completion of Kinesiotherapy course requirements for the major option in which field work is taken.
- PSY 341 Neuropsychology (3)
  Prerequisites: PSY 100, 220, 241, GE Foundation requirement and upper division standing.
- PSY 370 Abnormal Psychology (3)
  Prerequisites: PSY 100, GE Foundation requirement and upper division standing.

Take one of the following:
- KIN 430 Motor Control Principles (3)
  Prerequisites: KIN 312 or equivalent.
- KIN 432 Applied Motor Learning (3)
  Prerequisites: KIN 300 and 312.

Take one of the following:
- PSY 361 Psychology of Childhood Adolescent Development (3)
  Prerequisites: PSY 100, GE Foundation requirement and upper division standing.
- PSY 365 Psychology of Adult Development & Aging (3)
  Prerequisites: PSY 100, GE Foundation requirement and upper division standing.

Take one of the following:
- KIN 332I Sociocultural Dimensions of Sport/Human Movement (3)
  Prerequisites: BIOL 207, 208; PSY 100.
- KIN 335 Historical and Cultural Foundations of Sport and Kinesiology in America (3)
  Prerequisites: Upper division standing.

Students planning to enroll in Kinesiotherapy fieldwork and internship courses are required to attain current certification in First Aid and Cardiopulmonary Resuscitation (CPR) prior to enrollment by completing the American Red Cross Course: CPR/AED Certification for the Healthcare Provider and the Professional Rescuer or the American Heart Association Course: BLS for Healthcare Providers.
Concentration in Leadership
Elective Courses:
Select 15 units (Minimum 3 units from KIN. At least 7 units must be upper division) from the following courses:

- ANTH 353, 412I; CBA 400I; COMM 306, 335, 411; H SC 427; KIN 156, 200, 210, 489B, 497; REC 321, 322, 324, 340I, 427; PSY 351, 453.

A fieldwork, field experience, or internship requires current certification in First Aid (American Red Cross: Community First Aid & Safety or Emergency Response or Workplace Training; Standard First Aid or equivalent) and Cardiopulmonary Resuscitation (American Red Cross: Adult CPR or Adult, Infant & Child CPR or CPR for the Professional Rescuer; American Heart Association: Adult CPR or Adult, Infant & Child CPR or ACLS Provider or equivalent) prior to enrollment.

This degree option has been deemed “similar” to the Transfer Model Curriculum for Kinesiology under the Student Transfer Agreement Reform Act (SB 1440-Padilla). Students who complete an approved A.A.-T or A.S.-T degree in Kinesiology at a California Community College can meet B.S. in Kinesiology: Option in Sport Psychology and Leadership (KPE_BS04) requirements with no more than 60 additional units. Contact a Kinesiology faculty advisor for assistance in program planning.

Bachelor of Science in Athletic Training
(120 units)

The Department of Kinesiology offers the Bachelor of Science in Athletic Training degree through the Athletic Training Education Program (ATEP). ATEP is nationally accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

Athletic training is practiced by athletic trainers, health care professionals who collaborate with physicians to optimize activity and participation of patients and clients. Athletic training encompasses the prevention, diagnosis, and intervention of emergency, acute, and chronic medical conditions involving impairment, functional limitations, and disabilities. Students who want to become certified athletic trainers must earn a degree from an accredited athletic training curriculum. For additional information please refer to the following website: http://www.nata.org/athletic-training

The ATEP is designed for formal instruction in areas such as injury/illness prevention, first aid and emergency care, assessment of injury/illness, human anatomy and physiology, therapeutic intervention, and nutrition. Classroom learning is enhanced through clinical education experiences. Upon successful completion of all the ATEP requirements and Program Director approval, students are eligible to take the Board of Certification (BOC) examination to become a certified athletic trainer (ATC). Entry level careers in athletic training include professional sports, colleges & universities, secondary schools, and emerging settings such as hospital & clinical, industrial/occupational, military, performing arts, physician extender, and public safety.

Admission Under Impaction

The Bachelor of Science in Athletic Training is an impacted major and requires a supplemental program application in addition to the CSULB admission application.

Admission to CSULB does not guarantee admission into the Athletic Training major.

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

Athletic Training Education Program Website

Refer to the following website for the most current ATEP information, supplemental application packet, and resources: http://www.csulb.edu/colleges/chhs/departments/kin/athletic-training/index.html

Requirements
Core:

- BIOL 207 Human Physiology (4)
  Prerequisites: GE Foundation requirements.
- BIOL 208 Human Anatomy (4)
  Prerequisites: GE Foundation requirements.
- KIN 300 Biomechanics of Human Movement (3)
  Prerequisites: BIOL 208 or equivalent.
- KIN 301 Exercise Physiology (3)
  Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with a grade of “C” or better or consent of instructor.
- KIN 312 Motor Control and Learning (3)
  Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.

Lower Division:

Take all of the following courses:

- ATEP 207 Prevention and Care of Athletic Injuries (3)
  Prerequisites: KIN 210 or equivalent.
- KIN 263 Techniques in Physical Fitness (2)
  Prerequisites: None.
- NUTR 132 Introductory Nutrition (3)
  Prerequisites/Corequisites: One Foundation course.
- PHYS 100A General Physics (4)
  Prerequisites: MATH 109 or 113 or 117 or 119A or 120 or 122.
- PSY 100 General Psychology (3)
  Prerequisites/Corequisites: GE A1 requirement.

Take one of the following courses:

- CHEM 100 Chemistry and Today’s World (4)
  Prerequisites: One GE Foundation course (GE categories A1, A2, A3 or B2).
- CHEM 111A General Chemistry (5)
  Prerequisites: A passing score on the Chemistry Placement Examination (credit in CHEM 191 does not substitute for a passing score on the Chemistry Placement Examination) and a "C" or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended.
- CHEM 140 General, Organic, and Biochemistry (5)
  Prerequisites: A GE math course (may be taken concurrently); high school chemistry or equivalent.

Take one of the following courses:

- BIOL 260 Biostatistics (3)
  Prerequisites: BIOL 211 or BIOL 207 or MIRC 200; MATH 111 or 113 or 119A or 122 all with a grade of "C" or better.
- KIN 483 Statistics in Human Movement Science (3)
  Prerequisites: KIN 300, 301, 312.
- PSY 210 Introductory Statistics (4)
  Prerequisites: PSY 100, GE A1 requirement, and eligible to take a General Education Mathematics course.
- STAT 108 Statistics for Everyday Life (3)
  Prerequisites: None.
Certificate Programs

The Department of Kinesiology offers two different certificate programs each of which is related to a special emphasis provided in the curriculum. All certificate programs are open to students enrolled in the University who meet general admission requirements as follows:
1. Completion of 30 hours of course work;
2. A minimum 2.75 GPA in all completed course work;
3. Admission application and approval by a faculty committee in the certificate program selected.

Certificate in Wilderness Studies

Students may only pursue the certificate program in combination with a CSULB degree program.

Requirements
1. Wilderness First Responder (WFR) Certification (80 hours)
2. Resume of Outdoor Experiences
3. Coursework (27-29 units):
   - Take all of the following:
     - BIOL 100 Biology of the Human Environment (3)
       Prerequisites/Corequisites: One GE Foundation course.
     - KIN 242 Backpacking (2)
       Prerequisites: None.
     - KIN 244 Kayaking (2)
       Prerequisites: None.
     - KIN 246A Mountaineering (2)
       Prerequisites: None.
     - KIN 247A Techniques of Rockclimbing (2)
       Prerequisites: None.
   - Select three of the following:
     - KIN 243A, 243C, 245; REC 430

Graduate Programs

Two degree programs are available to the student: Master of Arts degree in Kinesiology with five Options and Master of Science degree in Kinesiology with four Options. The student may select the thesis/project track or the comprehensive examination track. The student who chooses the thesis/project track is required to complete a thesis or a project. The minimum unit requirement for the MA degree major program is 30 units for thesis/project students and 36 units for comprehensive examination students. The minimum unit requirement for the MS degree major program is 34 units for thesis/project students and 39 units for comprehensive examination students.

Admission Criteria
1. A bachelor's degree from an accredited institution with a major in Kinesiology/Physical Education or the equivalent;
2. If a prospective graduate student has a baccalaureate degree in a field other than Kinesiology or Physical Education, he/she may be required to take prerequisite or foundational upper-division undergraduate coursework in Kinesiology. Students must consult with the Associate Chair for Graduate Studies and/or major advisor before enrolling in foundational courses. The courses, which vary depending on the student's academic background and Option, may be taken at CSULB or another college/university. All foundational coursework must be completed prior to Advancement to Candidacy.
3. An overall undergraduate GPA of 2.5 or better and an upper division Kinesiology/Physical Education major GPA of 2.75 or better;

4. A minimum cumulative score of 150 on the verbal, 141 on the quantitative and 3.5 on the analytical writing sections of the Graduate Record Examination.

**Advancement to Candidacy**

1. Completion of the general University requirements for advancement to candidacy;

2. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);

3. A graduate program must have approval of the student’s advisor, Department Associate Chair for Graduate Studies, and Associate Dean of Graduate Students, Research, and Faculty Affairs for the College of Health and Human Services.

**Master of Arts in Kinesiology**

Five options are under the Master of Arts degree in Kinesiology and are described below. The core courses for thesis students are KIN 696 and 698. The core course for comprehensive examination students is KIN 696.

**Option in Adapted Physical Education**

This option is designed to provide advanced preparation in adapted physical activity and the study of individuals with disabilities across the lifespan (preschool to adult).

**Requirements**

1. Take the following course:
   - KIN 696 Research Methods and Statistical Analysis (3)
     Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Minimum of 12 units, take the following:
   - EDSP 577, 578; KIN 537, 638, 697

3. KIN 698 (4 units) for thesis/project students plus a minimum of 17 elective units.

4. Comprehensive exam students complete a minimum of 21 elective units.

**Option in Coaching and Student-Athlete Development**

**Requirements**

1. Take the following courses:
   - KIN 512 Legal and Ethical Issues in Sport (3)
     Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.

2. KIN 577 Sport in U.S. Culture (3)
   Prerequisites: KIN 332I or equivalent.

3. KIN 696 Research Methods and Statistical Analysis (3)
   Prerequisites: Kinesiology Graduate Sport Management Program; or consent of instructor.

4. For Student-Athlete Development students:
   - KIN 523 Theory and Practice of College Teaching in Kinesiology (3)
     Prerequisites: Graduate standing.

5. For Coaching students:
   - KIN 575 Psychology of Coaching (3)
     Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.

4. Student-Athlete Development Students select five from the following list of elective courses:
   - KIN 572, 573, 575, 578, 593A, 597 or 697, 633; KIN/COUN 539; COUN 515.

5. Coaching students select five from the following list of elective courses:

6. Thesis/Project students complete the following course:
   - KIN 698 Thesis/Project (4)
     Prerequisites: KIN 590, 596, advancement to candidacy.

7. Comprehensive exam students complete a minimum of 9 additional elective units from #4 or 5 above that do not duplicate a previous selection.

**Option in Pedagogical Studies**

This option is offered only through College of Continuing and Professional Education at a higher tuition rate. Instruction is presented in an accelerated cohort program format over 24 months.

**Requirements**

1. Comprehensive exam students

   **Required courses:**
   - KIN 524 Analysis of Teaching in Physical Education (3)
     Prerequisites: None.

   - KIN 525 Instructional Design in Physical Education (3)
     Prerequisites: Undergraduate major in physical education, EDST 300.

   - KIN 696 Research Methods and Statistical Analysis (3)
     Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

   Take five of the following courses:
   - KIN 522, 526, 528, 537, 575, 580, 596
   - Take 12 elective units (36 units total)

2. Thesis/Project students

   **Required courses:**
   - KIN 524 Analysis of Teaching in Physical Education (3)
     Prerequisites: None.

   - KIN 525 Instructional Design in Physical Education (3)
     Prerequisites: Undergraduate major in physical education, EDST 300.

   - KIN 696 Research Methods and Statistical Analysis (3)
     Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

   - KIN 698 Thesis/Project (4)
     Prerequisites: KIN 590, 596, advancement to candidacy.

   Take three of the following courses:
   - KIN 522, 526, 528, 537, 575, 580, 596
   - Take 8 elective units (30 units total)

**Option in Sport Management**

This option is offered only through College of Continuing and Professional Studies at a higher tuition rate. Instruction is presented in an accelerated cohort program format over 18 months.

**Requirements**

Take all the following courses:
- KIN 511 Sports Marketing, Development and Fund Raising (3)
  Prerequisites: Graduate standing and a Baccalaureate Degree in Kinesiology/Physical Education or related field and admission to the Kinesiology Graduate Sports Management Program.
1. Take the following courses:

KIN 512 Legal and Ethical Issues in Sport (3)
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.

KIN 513 Personnel and Facility Management in Athletics (3)
Prerequisites: Graduate standing admission in to the Kinesiology Graduate Sport Management Program.

KIN 514 Sport Finance (3)
Prerequisites: Graduate standing; admission in to the Kinesiology Graduate Sport Management Program.

KIN 521 Foundations of Sport Management (3)
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program.

KIN 577 Sport in U.S. Culture (3)
Prerequisites: KIN 332I or equivalent.

KIN 591 Field Studies in Sport Event Management (3)
Prerequisites: Graduate standing; admission to the Kinesiology Graduate Sports Management Program.

KIN 592A Sports Management Internship (6)
Prerequisites: Graduate standing; admission to the Kinesiology Graduate Sports Management Program.

KIN 694 Capstone in Kinesiology (3)
Prerequisite: KIN 696 and admission into a Kinesiology graduate program.

KIN 695 Seminar in Professional Literature (3)
Prerequisites: KIN 590, 696.

KIN 696 Research Methods and Statistical Analysis (3)
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

**Option in Individualized Studies**

This option is designed to provide the student with curriculum activities that combine one or more option areas into a program of study. This option is developed by the student with the advisement of a graduate faculty member and/or the Associate Chair for Graduate Studies. A statement of rationale for the proposal must accompany the program of study.

**Requirements**

1. Take the following course:
   
   KIN 696 Research Methods and Statistical Analysis (3)
   Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Minimum of 15 units from 500 and/or 600 level coursework in KIN;

3. Thesis/Project students complete a minimum of 8 elective units (individualized) and the following course:
   
   KIN 698 Thesis/Project (4)
   Prerequisites: KIN 590, 696, advancement to candidacy.

4. Comprehensive exam students complete a minimum of 15 elective units.

**Master of Science in Kinesiology**

Four options are under the Master of Science degree in Kinesiology and are described below. The core courses for thesis/project students are KIN 696 and 698. The core course for comprehensive examination students is KIN 696.

**Option in Exercise Science**

**Requirements**

1. Take the following courses:
   
   KIN 540 Biomechanical Factors in Human Movement (3)
   Prerequisites: KIN 300 or equivalent.

   KIN 551 Advanced Exercise Physiology (3)
   Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.

   KIN 530 Neuromotor Control (3)
   Prerequisites: Graduate standing, KIN 312 or equivalent.

   KIN 696 Research Methods and Statistical Analysis (3)
   Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Elective Courses: Select six of the following courses:
   
   KIN 541, 552, 553, 562, 565, 566, 568, 594 or 595, 630, or 697 (18 units);

3. Thesis/Project students complete the following course:
   
   KIN 698 Thesis/Project (4)
   Prerequisites: KIN 590, 696, advancement to candidacy.

4. 9 units of electives from within or outside of the department offerings selected from appropriate areas of interest in consultation with advisor for comprehensive examination students.

**Option in Sport and Exercise Psychology**

**Requirements**

1. Take the following courses:
   
   KIN 512 Legal and Ethical Issues in Sport (3)
   Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.

   KIN 572 Applied Sport Psychology (3)
   Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.

   KIN 577 Sport in U.S. Culture (3)
   Prerequisites: KIN 332I or equivalent.

   KIN 578 Psychological Aspects of Exercise and Fitness (3)
   Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.

   KIN 633 Seminar in Sport Psychology (3)
   Prerequisites: KIN 339I or consent of instructor.

   KIN 696 Research Methods and Statistical Analysis (3)
   Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Two of the following courses:
   
   KIN 523, 541, 561, 571, 573, 575, 597 or 697, 630; PSY 536, 553, 575, 633, 634, 637, 678;

3. Thesis/Project students complete a minimum of 5 units from #2 above that do not duplicate a previous selection and the following course:
   
   KIN 698 Thesis/Project (4)
   Prerequisites: KIN 590, 696, advancement to candidacy.

4. Comprehensive exam students complete a minimum of 15 elective units from #2 above that do not duplicate a previous selection.

**Option in Sports Medicine and Injury Studies**

**Requirements**

1. Take the following courses:
   
   KIN 540 Biomechanical Factors in Human Movement (3)
   Prerequisites: KIN 300 or equivalent.

   KIN 551 Advanced Exercise Physiology (3)
   Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.

   KIN 530 Neuromotor Control (3)
   Prerequisites: Graduate standing, KIN 312 or equivalent.

   KIN 696 Research Methods and Statistical Analysis (3)
   Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

2. Elective Courses: Select six of the following courses:
   
   KIN 541, 552, 553, 562, 565, 566, 568, 594 or 595, 630, or 697 (18 units);

3. Thesis/Project students complete the following course:
   
   KIN 698 Thesis/Project (4)
   Prerequisites: KIN 590, 696, advancement to candidacy.

4. 9 units of electives from within or outside of the department offerings selected from appropriate areas of interest in consultation with advisor for comprehensive examination students.
KIN 560 Health Related Problems in Sport (3)
Prerequisites: KIN 207 and 301 or their equivalents and BIOL 207 and 208 or their equivalents.

KIN 561 Musculoskeletal Injuries in Sport (3)
Prerequisites: KIN 207 and 300 or their equivalents and BIOL 208 or its equivalents.

KIN 562 Advanced Strength and Conditioning (3)
Prerequisites: KIN 300, 301.

KIN 633 Seminar in Sport Psychology (3)
Prerequisites: KIN 339I or consent of instructor.

KIN 696 Research Methods and Statistical Analysis (3)
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.

KIN 697 Directed Studies (1-3)
Prerequisites: KIN 590, 696, advancement to candidacy.

2. Thesis/Project students complete a minimum of 6 elective units and the following course:
   KIN 698 Thesis/Project (4)
   Prerequisites: KIN 590, 696, advancement to candidacy.

3. Comprehensive examination students complete a minimum of 15 elective units.

**Option in Exercise Physiology and Nutrition**

**Requirements**

1. Take the following courses:
   - KIN 551 Advanced Exercise Physiology (3)
     Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
   - KIN 552 Exercise Testing and Training in Health and Disease (3)
     Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent.
   - KIN 566 Biochemical and Hormonal Adaptations to Physical Activity (3)
     Prerequisites: Upper-division undergraduate or Graduate standing; KIN 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration.

2. Select three from the following list of courses:
   - KIN 568; FCS 530A, 530B, 531, 536, 539, 655A;

3. Select three from the following list of courses:
   - KIN 568; FCS 530A, 530B, 531, 536, 539, 655A;

4. KIN 698 or FCS 698 (4 units) for thesis/project;

5. A minimum of 9 elective units approved by the advisor for comprehensive exam students.

**Single Subject Teaching Credential in Physical Education**

For information, refer to the undergraduate section in this department.

**Certificate in Kinesiotherapy**

This program is designed to prepare the student to pass the American Kinesiotherapy Association (AKTA) Certification Test. AKTA certification will qualify the therapist to provide therapeutic physical activities in rehabilitation settings including clinics, hospital, schools, universities, convalescent home and other private and public institutions or private practice. The student will complete the Option in Kinesiotherapy in the undergraduate curriculum plus 19 additional units. Information concerning the certificate can be obtained from the Director of the Kinesiotherapy Program in the Department of Kinesiology.

Students may only pursue the certificate program in combination with a CSULB degree program.

**Requirements**

1. Admissions application and approval by Director
2. Completion of the degree requirements of the Bachelor of Science: Option in Kinesiotherapy with a cumulative GPA of 2.75 or better.
3. Students must maintain a 3.0 GPA to continue and to receive the certificate
4. Course work
   - KIN 405 Cardiopulmonary Aspects of Health-Related Exercise Programs (4)
     Prerequisites: KIN 210 or current First Aid and CPR certificates, KIN 301.
   - KIN 488 Clinical Basis of Kinesiotherapy (3)
     Prerequisites: Completion of Bachelor's degree in Kinesiology, Physical Therapy, Exercise Physiology, or Kinesiotherapy and admission into the Kinesiotherapy Certificate Program and successful completion of a course(s) in pathological and neurological foundations of rehabilitation or approval of the Director of the Kinesiotherapy Certificate Program.
   - KIN 489F Fieldwork in Kinesiotherapy
     Prerequisite: Completion of Kinesiotherapy course requirements for the major Option in which field work is taken.
   - KIN 588L Kinesiotherapy Clinical Training I Lab (6)
     Corequisites: KIN 588.
   - KIN 589L Kinesiotherapy Clinical Training II (3)
     Corequisites: KIN 589.

*Students planning to enroll in Kinesiotherapy Option, fieldwork and internship courses are required to attain current certification in First Aid and Cardiopulmonary Resuscitation (CPR) prior to enrollment by completing the American Red Cross Course: CPR/AED Certification for the Healthcare Provider & the Professional Rescuer or the American Heart Association Course: BLS for Healthcare Providers

**Kinesiology Courses (KIN)**

**ACTIVITY COURSES**

100-198. Physical Education Activity (1)

Broad range of physical education activities designed to provide opportunities to meet health, physical and recreational needs and interests.

Maximum of 8 units may be applied toward University graduation requirement. Students assume responsibility for satisfactory health status appropriate for class activity. May be offered at beginning (I), intermediate (II), and advanced (III) levels. All classes are co-educational, students may enroll in activity courses offered by Department of Kinesiology. Classes offered within areas are:

**Individual/Dual Activities (1)**

100A. Archery. Course fee may be required.
100B. Intermediate Archery

Prerequisites: KIN 100A or consent of instructor.
102A. Badminton
104A. Bowling. Course fee may be required.
104B. Advanced Bowling
   Prerequisite: KIN 104A or consent of instructor.
108A. Golf
112A. Racquetball
114A,B,C. Tennis
145A. Gymnastics
152A. Yoga

Combative Activities (1)
106A. Fencing‑Foil
107A. Fencing‑Sabre
109A. Fitness Walking (1)
110A. Triathlon Fitness (1)
148A. Karate
149A. Self Defense

Aquatics (1)
121A. Sailing. Course fee may be required.
124A. Surfing
125A,B. Swimming
126A. Swimming Conditioning
127A. Aqua Aerobics (1)

Fitness Activities (1)
142. Group Exercise: Cardio
146A. Jogging
151A. Weight Training and Conditioning
152B. Intermediate Yoga
   Prerequisite: KIN 152A or consent of instructor.

Team Activities
161A. Basketball
162A. Beach Volleyball
165A. Flag Football
166. Rugby
167A. Soccer
168A. Ultimate Frisbee (1)
169A. Softball
172A,B,C. Volleyball

Recreational Dance
183A. Recreational Dance Workshop
183B. Recreational Dance Workshop II
   Prerequisites: KIN 183A, 185, or consent of instructor.
184. Formation Dancing
   Prerequisite: KIN 183B or consent of instructor.
188. Salsa
185. Social Dance

198. Special Activities
   F. Group Exercise: Dance Conditioning (1-3)
   G. Tai Chi Chuan (1)
   H. Chinese Sword Combat for Sport (1)
   J. Mat Pilates Level I (1)
   K. Kung Fu (1)
   L. Group Exercise: Stretch and Relaxation (1)

* See Physical Education professional courses for additional
  activities open to non-majors.

PROFESSIONAL COURSES
Kinesiology majors and minors will be given priority enrollment in
classes required for the major. Selected courses are available to
the general student body to receive credit toward general education
requirements.

LOWER DIVISION

143. Individual Conditioning (1)
   Designed to introduce the student to the activities, equipment, and
techniques used in the development of conditioning programs tailored
to one’s individual needs.
   May be repeated to a maximum of 8 units.

156. Sports Appreciation (3)
   Prerequisite/Corequisite: GE Foundation requirement.
   Introduction to the study of sport as a social institution in American
   society.

157. Fitness for Living (3)
   Prerequisite/Corequisite: GE Foundation requirement.
   Analysis and implementation of the concepts related to exercise for
   health and fitness.
   (Lecture 2 hours, Activity 2 hours.)

189. Country Dancing (1)
   Instruction and practice in various country dance forms including line
dancing, two-step, waltz, contra dancing, round dancing, and mixers.
   Useful for lifelong fitness, socialization, and recreation.
   May be repeated to a maximum of 8 units.

200. Psychological Skills for Peak Performance in Sport (3)
   Introduction of psychological strategies and skills designed to help
   individuals achieve optimal performance. Skills such as imagery, goal
   setting, self-talk, attentional focusing, arousal regulation, and coping
   are presented.
   (Lecture, 3 hours)

210. Advanced Emergency Care (3)
   Theory and practice of first aid for the injured. Successful completion
   of course requirements leads to the American National Red Cross
   advanced first aid and personal safety and community CPR certificate.
   Course fee may be required.

217. Introduction to Kinesiotherapy (2)
   Introduction to profession of Kinesiotherapy intended to provide
   student with information regarding history of the profession, its
   educational expectations, standards and scope of practice and a
   survey of basic skills needed to enter this field of study.
   Letter grade only (A‑F).

218. Introduction to the Fitness Industry (2)
   Prerequisites: Open to Fitness Option students in Kinesiology only or
   by consent of instructor.
   An introduction to the Fitness profession which will provide the student
   with information regarding the history of the fitness industry, its
   educational expectations, standards and scope of practice basic skills
   needed to enter the field, and career options.
   Letter grade only (A‑F).

237. Techniques and Analysis of Aquatic Skills (2)
   Prerequisites: KIN 125A or 125B or consent of instructor, American
   Red Cross Community First Aid and CPR certifications or equivalent.
   Open to Kinesiology majors in the Adapted, Elementary, and
   Secondary Physical Education options. To maintain enrollment,
   students must pass the swimming proficiency examination that will be
   administered the first week of instruction.
   Instruction and techniques in individual aquatic skills, hydrodynamic
   and movement principles, and an exposure to a variety of learning
   procedures applicable to the development of aquatic skills.
   Letter grade only (A‑F). (Lecture 1 hour, Laboratory 3 hours.)
Kinesiology Courses (KIN)

242. Backpacking (2)
An experiential examination and analysis in the judgment, knowledge, equipment and skill development necessary to safe and comfortable travel and living.
2-3 day field experience required. Course fee may be required.

243A. Winter Mountain Expedition (3)
Introduction to winter mountaineering skills; study of the mountain environment.
(Activity 6 hours). (Field experience required). Course fee may be required.

243C. Desert Expedition (3)
Introduction to the skills, attitudes and knowledge required for safe and enjoyable travel in desert areas. An interdisciplinary introduction to the meaning and significance of the desert. Trip planning, map use, methods of safe travel.
Course includes field trip. Course fee may be required. (Activity 6 hours.)

244. Kayaking (2)
An experiential examination and analysis of the judgment, knowledge, equipment and skill development necessary to flat and whitewater kayaking.
2-3 day field experience required. Course fee may be required. (Activity 4 hours.)

245. Wilderness Water Expedition (3)
Introduction to the skills, attitudes and knowledge required for safe use of varied types of wilderness waters. The skills and techniques of boat handling and trip planning. An interdisciplinary introduction to the study of waterways.
(Activity 6 hours.) 2-3 day field experience required. Course fee may be required.

246A. Mountaineering (2)
An experiential examination and analysis in the judgment, knowledge, equipment and skill development necessary to safe mountaineering.
Course includes field trip. Letter grade only (A-F). (Activity 4 hours.)

247A. Techniques of Rockclimbing (2)
Introduction to the basic skills, judgment and safety for technical rockclimbing. The skills and techniques of top roping, belaying rappels and self rescue.
Includes a field trip. Course fee may be required. (Activity 4 hours.)

250. Techniques of Basketball (1)
Instruction in individual and team skills and techniques utilized in the sport of basketball for successful performance.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

251. Techniques of Flag Football (1)
Open to Kinesiology majors and minors only.
Instruction and practice in catching, throwing, tackling, running. Comprehensive teaching of skills and techniques in Flag Football.
Letter grade only (A-F).

253. Techniques of Soccer (1)
Instruction in individual and team skills and techniques utilized in the sport of soccer for successful performance.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

255. Techniques of Softball (1)
Instruction and practice in catching, throwing, hitting, sliding, base running, and bunting. Comprehensive teaching of skills and techniques in softball.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

257. Techniques of Volleyball (1)
Instruction in individual and team techniques utilized in the sport of volleyball.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

261. Techniques and Analysis of Fundamental Rhythms (2)
Instruction, practice, teaching, and analysis of floor patterns and rhythm variations of basic social and folk dances and their appropriateness for successful teaching of various age groups and skill levels in the public schools.
Open to Kinesiology Pedagogy Majors only. Letter grade only (A-F). (Activity 4 hours.)

263. Techniques of Physical Fitness (2)
Consists of instruction, practice, and evaluation in physical fitness. Cardiorespiratory, muscular strength and endurance, and flexibility activities will be emphasized within the course.
Open to Kinesiology majors only or consent of instructor. Not open to credit to Kinesiology majors in the pedagogy options. Letter grade only (A-F). (Discussion 1 hour, Laboratory 3 hours.)

264. Techniques of Golf (1)
Instruction and techniques in individual skills and strategies for successful performance in golf.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

265. Techniques of Gymnastics (1)
Open to Kinesiology majors and minors only.
Techniques and instruction of the principles of movement in gymnastics as well as organizational strategies utilized in presenting gymnastics in Physical Education classes.
Letter grade only (A-F).

266. Techniques of Badminton (1)
Instruction and techniques in the skills and strategies for successful performance in badminton.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

267. Techniques of Tennis (1)
Instruction, techniques and analysis in the concepts of teaching, coaching, and playing tennis.
Open to Kinesiology majors and minors only. (Activity 2 hours.)

268. Techniques of Track and Field (1)
Instruction, techniques and analysis in the concepts of teaching, coaching, and performance in track and field.
Open to Kinesiology majors and minors only. Letter grade only (A-F) (Activity 2 hours.)

270. Professional Practices in Public School Physical Education (3)
Prerequisite: Students must meet the University GE writing course requirement. Corequisite: Community CPR/First Aid/Safety or current certification.
Provides an overview of current professional practices in public school physical education. Students plan, teach, and self-evaluate lessons. Required introductory course for Adapted, Elementary and Secondary Pedagogy options after 30 units of college course work.
Open to Kinesiology majors in the Adapted PE Option and K-12 PE Option. Letter grade only (A-F). (Lecture 2 hours, Lab 2 hours.)

UPPER DIVISION

300. Biomechanics of Human Movement (3)
Prerequisites: BIOL 208 or equivalent. Anatomical structure and function, and mechanical principles relating to human motion, including analytical application.
(Lecture 2 hours, laboratory 3 hours.)
301. Exercise Physiology (3)
Prerequisites: BIOL 207 or equivalent 4-unit Human Physiology course with 3-hour lecture and 3-hour laboratory with grade of "C" or better or consent of instructor.
Basic concepts of the physiology of muscular exercise with emphasis on the responses and adaptations of the circulatory system, the respiratory system, and skeletal muscles to the physical stress of acute and chronic exercise.
(Lecture 2 hours, Laboratory 3 hours). Course fee may be required.

312. Motor Control and Learning (3)
Prerequisites: For KIN majors: BIOL 207, 208; PSY 100. For PSY Neuroscience majors: BIOL 208, 342; PSY 100.
Basic concepts of the neuro-motor and psychological contributions in the control and acquisition of skilled performance.
Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

315. Motor Development (3)
Prerequisites: BIOL 207, 208; PSY 100 or equivalent.
Developmental perspective of factors contributing to acquisition of motor control from infancy through adolescence.
(Lecture 2 hours, Activity 2 hours)

320. Adapted Physical Education (3)
Prerequisites: BIOL 208.
Kinesiology majors learn to teach physical activity to persons with disabilities. Discussed are the etiology characteristics and best teaching practices (i.e., inclusion) for persons with mental, learning physical, emotional, sensory, health, and/or multiple disabilities.
(Lecture 2 hours, Activity 2 hours).

332I. Sociocultural Dimensions of Sport and Human Movement (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.
Socio-cultural and psychological correlations to human movement.

335. Historical and Cultural Foundations of Sport and Kinesiology in America (3)
Prerequisites: Upper division standing.
Survey of the history of sport and kinesiology. Historical identification of the cultural trends and functions of sport and kinesiology in America.
Open to Kinesiology Majors only.

338I. Women in Sport (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper-division standing.
Survey of women's historical and contemporary involvement with sport. The social, cultural and developmental implications of sports participation for women.

339I. Psychology of Sport Behavior and Athletic Performance (3)
Prerequisites: GE Foundation requirements, PSY 100, and upper-division standing.
Psychological dimention of attitudes, behaviors, and performance in sport and exercise environments.
Same course as PSY 339I. Not open for credit to students with credit in PSY 339I.

343. Techniques and Analysis of Physical Fitness and Activity (2)
Prerequisite: KIN 270.
Knowledge needed to plan and implement physical activity programs in public school. Analysis of development, maintenance, implementation, and self-assessment of physical fitness. Designed to prepare for FitnessGram assessments and Department's Physical Fitness Proficiency Examination.
Open to Kinesiology/Physical Education Pedagogy Majors and Minors only. Letter grade only (A-F). (Lecture 1 hour, Activity 3 hours).

354. Technology in Physical Education (3)
Overview of education technology applications, specifically wordprocessing, spreadsheet, video technology, web-based information, internet related software and technologies, pdf documents, personal digital assistants (PDAs) and use of commercially produced education software.
Meets computer technology requirement for California Single Subject Teaching Credential. Letter grade only (A-F). (Lecture 2 hours, laboratory 2 hours).

363. Theory and Analysis of Group Fitness Instruction (2)
Prerequisite: KIN 263. Open to Fitness Option students in Kinesiology only, or consent of instructor.
Learn to become effective group exercise leaders by understanding responsibilities of fitness leaders, principles of fitness, and leadership skill. Techniques for various group exercise activities will be taught.
Letter grade only (A-F). (Discussion 1 hour, Activity 2 hours.)

364. Fitness for Adult Populations with Unique Health Considerations (3)
Prerequisites: KIN 301. Open to Fitness Option students in Kinesiology only, or consent of instructor.
Scientific information regarding exercise testing and exercise prescription for adult special populations. Topics include pregnancy, diabetes, arthritis, stroke, respiratory disorder, coronary artery disease, hypertension, and obesity.
Letter grade only (A-F).

367. Fitness and the Aging Process (3)
Prerequisites: KIN 301. Open to Fitness, Kinesiotherapy and Exercise Science Option students in Kinesiology only, or consent of instructor.
Provides knowledge in the area of fitness and the older adult. Topics include theories of aging, age-related changes that affect physical capacity, exercise and its impact on the aging process, and physical activity programming for the older adult.
Letter grade only (A-F). (Discussion 2 hours, Laboratory 2 hours.)

368. Resistance Training for Fitness (3)
Prerequisites: KIN 300 and 301. Open to Fitness, Athletic Training and Exercise Science Option students in Kinesiology only, or consent of instructor.
Designed to provide the student with theoretical knowledge and practical skills needed to become a personal trainer. The course covers such topics as the business of personal training, client-trainer relationships, fitness and health assessments and exercise prescription.
Letter grade only (A-F). (Discussion 2 hours, Activity 2 hours.)

370. Movement Theory and Practice of Elementary Physical Education (3)
Prerequisite: KIN 270.
Provides Kinesiology Physical Education Teacher Education (PETE) Option candidates with movement theory and practice in elementary school physical education based upon California Physical Education Framework and Content Standards. Practice includes fieldwork experiences in elementary school physical education.
Designed for Kinesiology majors. (Lecture 2 hours, Activity 2 hours)

Prerequisites: KIN 149, 237, 250, 253, 255, 257, 261, 264, 265, 266, 267, 268, 343, 370 or consent of instructor. Corequisite: EDSS 300P.
Principles, organization and management of activities taught in secondary schools, includes basic organization and management strategies and fieldwork experience in public secondary school physical education.
Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours.)
Kinesiology Courses (KIN)

387. Physical Activities for the Disabled (3)
Prerequisites: KIN 320, 427. Corequisite: KIN 489A.
Adaptation of physical activities, equipment, and facilities for individuals with permanent disabilities affecting motor performance.
(Lecture 2 hours, Activity 2 hours)

388. Program Planning and Instruction in Adapted Physical Education (3)
Prerequisite: KIN 387. Corequisite: KIN 489A.
Emphasis on program planning and the development of teaching skills in Adapted Physical Education.
(Lecture 2 hours, Activity 2 hours)

405. Cardiopulmonary Aspects of Health-Related Exercise Programs (4)
Prerequisites: KIN 210 or current First Aid and CPR certificates, KIN 301. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.
The study of the principles, models, and theories of human movement control. Instruction is directed toward understanding the fundamental principles, theoretical propositions, and neuro-kinesiological models, with applications to sport, physical education, human factors, and human performance.
Letter grade only (A-F). (Lecture 3 hours, Laboratory 3 hours)

427./527. Physical and Motor Assessment (3)
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent; upper-division undergraduate or graduate standing; consent of instructor required for graduate students prior to registration.
The selection, administration, and interpretation of standardized and informal tests used in the physical and motor assessment practices of individuals with disabilities.
Upper-division students register in KIN 427; Graduate students register in KIN 527. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours)

430. Motor Control Principles and Theory (3)
Prerequisite: KIN 312 or equivalent. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.
Study of the principles, models, and theories of human movement control. Instruction is directed toward understanding the fundamental principles, theoretical propositions, and neuro-kinesiological models, with applications to sport, physical education, human factors, and human performance.
Letter grade only (A-F).

431. Scientific Foundations of Locomotion (3)
Prerequisites: KIN 300, 312. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.
Instruction is directed towards understanding the influence of motor control theories, biomechanical principles, and constraints to human movement on locomotion.
Letter grade only (A-F).

432. Applied Motor Learning (3)
Prerequisites: KIN 300 and 312.
Provides students with an applied perspective of Motor Learning. Motor learning topics addressed include: theory, research, and application. Focuses on requiring students to apply various motor learning concepts into real world environments.
Letter grade only (A-F).

438. Motor Dysfunction and the Exceptional Person (3)
Prerequisites: A basic undergraduate course in Adapted Physical Education or its equivalent.
Recognition, analysis, assessment and remediation of movement problems in a child with minor nervous system dysfunctions.

441./541. Applied Biomechanics: Lifting and Work Capacity (3)
Prerequisites: KIN 300 or equivalent (Trigonometry and PHYS 100A recommended). Open to Exercise Science Option students in Kinesiology only, or consent of instructor.
Study of the mechanical properties of bone, ligament, tendon and skeletal muscle. Development, description, and application of selected biomechanical models to the evaluation of weight-lifting, rehabilitation exercises, and occupational lifting tasks. Critical analysis of methods used to assess strength.
Letter grade only (A-F).

448. Wilderness Studies: Leadership Practicum (3)
Analysis and practice of the leadership and teaching techniques appropriate to the conduct of wilderness adventure programs.
Course fee may be required.

457. Applied Theory of Teaching Team Sports (3)
Prerequisites: KIN 250, 251, 253, 255, 257, 270 or consent of instructor; senior standing.
Comprehensive analysis of the principles of movement, corrections of performance, and organizational strategies utilized in presenting team sports: basketball, flag football, soccer, softball, volleyball, floor hockey, speedball, and team handball.
Letter grade only (A-F). (Lecture 2 hours, activity 2 hours.)

460. Applied Theory and Analysis of Non-Traditional Physical Education Games and Activities (2)
Prerequisites: KIN 370, senior standing.
Comprehensive analysis of the principles of movement and organizational strategies utilized in archery, badminton, golf, paddle tennis, pickleball, racquetball, tennis, swimming, orienteering, and track and field.
Open to Kinesiology majors in the Adapted PE Option and K-12 PE Option. Letter grade only (A-F). (Lecture 1 hour, Laboratory 3 hours.)

461. Applied Theory of Teaching Individual and Dual Sports (3)
Prerequisites: KIN 237, 264, 265, 266, 267, 270, or consent of instructor; senior standing.
Comprehensive analysis of the principles of movement and organizational strategies utilized in archery, badminton, golf, paddle tennis, pickleball, racquetball, tennis, swimming, orienteering, and track and field.
Open to Kinesiology majors in the Adapted PE Option and K-12 PE Option. Letter grade only (A-F). (Lecture 2 hours, Activity 2 hours.)

462./562. Advanced Strength and Conditioning (3)
Prerequisites: KIN 300, 301. Open to Exercise Science and Fitness Option students in Kinesiology only, or consent of instructor.
Study of biomechanical and kinesiological factors which are important in understanding the function and proper techniques for execution of a wide variety of standard and advanced weight training exercises. Physiological bases for strength training and adaptations caused by different training regimes are emphasized.
Letter grade only (A-F).

465./565. Clinical Exercise Electrocardiography (3)
Prerequisites: BIOL 207 and KIN 301. Open to Exercise Science and Fitness Option students in Kinesiology only, or consent of instructor.
Study of the physiology and pathophysiology of the electrical activity of the heart. Instruction is directed toward pattern recognition of normal and abnormal resting and exercise electrocardiograms.

466./566. Biochemical and Hormonal Adaptations to Physical Activity (3)
Prerequisites: KIN 301 or equivalent; CHEM 111A or its equivalent. Open to Exercise Science Option students in Kinesiology only, or consent of instructor.
Study of the biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis will be placed on the application of concepts to the development of exercise
training programs.
Consent of instructor required for upper-division undergraduate students prior to registration. Upper-division undergraduate students register in KIN 466; graduate students register in KIN 566. Letter grade only (A-F). Same course as NUTR 466. Not open for credit to students with credit in NUTR 466.

467. Fundamentals of Personal Training (3)
Prerequisites: KIN 368. Open to Fitness Option students in Kinesiology only, or consent of instructor.

467. Fundamentals of Personal Training (3)
Prerequisites: KIN 368. Open to Fitness Option students in Kinesiology only, or consent of instructor.

468./568. Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

468./568. Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.

469. Fitness Management (3)
Prerequisite: KIN 363, 368. Open to Fitness Option students in Kinesiology only, or by consent of instructor.

469. Fitness Management (3)
Prerequisite: KIN 363, 368. Open to Fitness Option students in Kinesiology only, or by consent of instructor.

471./571. Technological Applications in Sport and Exercise Science (3)
Prerequisites: KIN 339F; upper division standing or consent of instructor or graduate standing.

471./571. Technological Applications in Sport and Exercise Science (3)
Prerequisites: KIN 339F; upper division standing or consent of instructor or graduate standing.

472./572. Applied Sport Psychology (3)
Prerequisites: KIN 339F; upper division standing or consent of instructor or graduate standing.

472./572. Applied Sport Psychology (3)
Prerequisites: KIN 339F; upper division standing or consent of instructor or graduate standing.

475./575. Psychology of Coaching (3)
Prerequisites: KIN 339F; upper division standing or consent of instructor or graduate standing.

476. Physical Education for the Elementary School Teacher (3)
Prerequisite: Junior standing.

476. Physical Education for the Elementary School Teacher (3)
Prerequisite: Junior standing.

477. Measurement and Curriculum in Physical Education (3)
Prerequisite: KIN 343 and KIN 370 or consent of instructor

477. Measurement and Curriculum in Physical Education (3)
Prerequisite: KIN 343 and KIN 370 or consent of instructor

483. Statistics in Human Movement Science (3)
Prerequisites: KIN 300, 301, 312.

483. Statistics in Human Movement Science (3)
Prerequisites: KIN 300, 301, 312.

485. Neurological and Pathological Foundations for Kinesiotherapy (3)
Prerequisites: BIOL 207, 208; KIN 300, 301, 320, 489F, or consent of instructor.

485. Neurological and Pathological Foundations for Kinesiotherapy (3)
Prerequisites: BIOL 207, 208; KIN 300, 301, 320, 489F, or consent of instructor.

487./587. Supervised Activity Instruction Experience (1-3)
Prerequisite: Upper division or graduate standing and consent of instructor.

487./587. Supervised Activity Instruction Experience (1-3)
Prerequisite: Upper division or graduate standing and consent of instructor.

488./588. Clinical Basis of Kinesiotherapy (3)
Prerequisites: Completion of Bachelor's degree in Kinesiology, Physical Therapy, Exercise Physiology, or Kinesiotherapy and admission into the Kinesiotherapy Certificate Program and successful completion of a course(s) in pathological and neurological foundations of rehabilitation or approval of the Director of the Kinesiotherapy Certificate Program.

488./588. Clinical Basis of Kinesiotherapy (3)
Prerequisites: Completion of Bachelor's degree in Kinesiology, Physical Therapy, Exercise Physiology, or Kinesiotherapy and admission into the Kinesiotherapy Certificate Program and successful completion of a course(s) in pathological and neurological foundations of rehabilitation or approval of the Director of the Kinesiotherapy Certificate Program.
Kinesiology Courses (KIN)

489. Field Work in Physical Activity Settings (1-3)
Prerequisite: Completion of Kinesiology course requirements for the major Option in which field work is taken.
Supervised practice in working with individuals or small to large groups in public or private agencies and schools.
Credit/No Credit grading only. May be repeated to a maximum of 9 units.
A. Fieldwork in Adapted Physical Education
B. Fieldwork in Athletic Coaching
C. Fieldwork in Fitness
D. Fieldwork in Motor Development
E. Fieldwork in Wilderness Studies
Additional Prerequisites: KIN 242, 244, 246 or 247, 249 or 245. Completion or corequisite of KIN 448, certification in CPR and First Aid, and consent of instructor. Supervised experience and practice working with individuals and groups in public/private agencies and schools involved in wilderness activities. May enroll in 1-3 units of fieldwork. Each unit is equivalent to 40 hours of fieldwork assignment. 120 hours minimum required for 3 units, of which at least 40 hours with CSULB Wilderness Studies Program. Balance of hours with public/private agencies.
F. Fieldwork in Kinesiotherapy
G. Fieldwork in Motor Development
K. Fieldwork in Wilderness Studies
Additional Prerequisites: KIN 242, 244, 246 or 247, 243C or 245. Completion or corequisite of KIN 448, certification in CPR and First Aid, and consent of instructor. Supervised experience and practice working with individuals and groups in public/private agencies and schools involved in wilderness activities. May enroll in 1-3 units of fieldwork. Each unit is equivalent to 40 hours of fieldwork assignment. 120 hours minimum required for 3 units, of which at least 40 hours with CSULB Wilderness Studies Program. Balance of hours with public/private agencies.

494./594. Exercise Science Internship (3)
Prerequisites: Upper-division or graduate standing with a grade of "B" or better in KIN 300 for a biomechanics internship or KIN 301 for an exercise physiology internship or KIN 312 for a motor control and learning internship; consent of instructor required prior to registration.
Provides practical experience in applying exercise science concepts in a fieldwork setting such as cardiac rehabilitation in a medical setting.
Upper-division undergraduate students register in KIN 494; Graduate students register in KIN 594. Letter grade only (A-F). May be repeated to a maximum of 6 units.

495./595. Supervised Laboratory Methods (1-3)
Prerequisites: Upper division or graduate standing and consent of instructor.
Provides experience in the methods of the laboratory component for a Kinesiology course, for example, assisting students with their experiments and laboratory reports.
Undergraduates register in KIN 495; graduates register in KIN 595. A written report is required for KIN 595 students. Letter grade only (A-F). Restricted to Kinesiology major students only. Not open for credit to graduate students with credit in KIN 495. (Conference 1 hour, Laboratory 2 hours per unit.) May be repeated to a maximum of 4 units.

497. Independent Study (1-3)
Prerequisites: Major or minor in physical education, senior standing and consent of Kinesiology Department.
Student will conduct independent library or laboratory research under the supervision of a faculty member and write a report of the investigation.
May be repeated to a maximum of 6 units. Letter grade only (A-F).

499. Selected Topics in Kinesiology (1-3)
Group investigation of topics of current interest in kinesiology or athletics.
May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.

GRADUATE LEVEL

511. Sports Marketing, Development, and Fund Raising (3)
Prerequisites: Graduate standing and a Baccalaureate Degree in Kinesiology/Physical Education or related field and admission to the Kinesiology Graduate Sports Management Program.
Provides students with an overview of sport marketing. It presents basic marketing terminology and discusses the application of marketing concepts to the development and promotion of the business of sport.
Letter grade only (A-F).

512. Legal and Ethical Issues in Sport (3)
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program; or consent of instructor.
Examines legal and ethical issues associated with sport settings.
Letter grade only (A-F).

513. Personnel and Facility Management in Athletics (3)
Prerequisites: Graduate standing admission into the Kinesiology Graduate Sport Management Program.
Examines the principles and practices associated with managing personnel and facilities in interscholastic, intercollegiate, amateur, international, and professional sport.
Letter grade only (A-F).

514. Sport Finance (3)
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program.
Examines financial management principles for use in interscholastic, intercollegiate, amateur, international, and professional sports. Special emphasis is placed on understanding various means by which sport organizations control costs and increase revenue.
Letter grade only (A-F).

521. Foundations of Sport Management (3)
Prerequisites: Graduate standing; admission into the Kinesiology Graduate Sport Management Program.
Introduces students to the business of sport and the functional areas of Sport Management. Discusses the leadership/supervisory philosophies, principles, and practices of managing interscholastic, intercollegiate, amateur, international, and professional sport.
Letter grade only (A-F).

522. Non-Traditional Activities in K-12 Physical Education (3)
Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.
Plan, implement, and evaluate nontraditional games and activities. Emphasis is on meeting needs of diverse populations, including students with disabilities, problem-solving, assessment, safety and injury prevention, ethical issues, group discussion, analysis of school outdoor educational experiences.
Letter grade only (A-F).

523. Theory and Practice of College Teaching in Kinesiology (3)
Prerequisite: Graduate standing.
Designed to enhance the teaching knowledge and skills of persons who aspire to become or are currently college and university instructors of kinesiology through an examination of the principles and techniques of adult education associated with the discipline.
Letter grade only (A-F).

524. Analysis of Teaching in Physical Education (3)
Analysis of teachers and teaching in physical activity environment: focus on developing observational competencies, analysis of research completed and future research designs.
525. Instructional Design in Physical Education (3)
Prerequisites: Undergraduate major in physical education, EDST 300.
A systems approach to designing instruction for the physical education program.

526. Applied Behavior Analysis in Physical Education (3)
Application of applied behavior analysis principles to physical education (sport) with particular emphasis on single subject research designs and behavior analysis in the physical education setting.

527./427. Physical and Motor Assessment (3)
Prerequisites: KIN 315 or equivalent and KIN 320 or equivalent. Includes the selection, evaluation, administration and interpretation of various tests used in the physical and motor assessment practices of individuals with disabilities.
Consent of instructor required for graduate students prior to registration. Requirement toward the Adapted Physical Education Specialist Credential. Upper-division students register in KIN 427; Graduate students register in KIN 527. Letter grade only (A-F).

528. Promoting Physical Activity and Fitness in K-12 Physical Education (3)
Prerequisite: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies. Develop physical education program plans that are in compliance with California State Content Standards for promoting physically active lifestyles and healthy physical fitness levels for all children, including those with special needs. Letter grade only (A-F).

530. Neuromotor Control (3)
Prerequisites: Graduate standing, KIN 312 or equivalent. Study of the neurological and muscular contributions to the control of human movement with emphasis on application of concepts to sports, physical activity, and human factors. Instruction is directed toward understanding the fundamental principles of motor control. Letter grade only (A-F).

537. Physical Education for Special Populations (3)
Foundations in the organization and conduct of Adapted Physical Education.

539. Seminar in Student Athlete Development (3)
Prerequisite: Graduate standing. Examination of student-athlete administration and advising in higher education: history, principles, techniques, and professional standards for student-athlete programs and services. Letter grade only (A-F). Same course as COUN 539. Not open for credit to students with credit in COUN 539.

540. Biomechanical Factors in Human Movement (3)
Prerequisite: KIN 300 or equivalent. Study of film, video and force plate data collection for human movement evaluation, including data smoothing techniques. Quantitative kinematic and kinetic analysis examples including gait, jumping and lifting activities. Comparison of 2D versus 3D analyses of movement activities. Letter grade only (A-F).

541./441. Applied Biomechanics: Lifting and Work Capacity (3)
Prerequisite: KIN 300 or equivalent (Trigonometry and PHYS 100A recommended). Study of the mechanical properties of bone, ligament, tendon and skeletal muscle. Development, description, and application of selected biomechanical models to the evaluation of weight-lifting, rehabilitation exercises, and occupational lifting tasks. Critical analysis of methods used to assess strength. Letter grade only (A-F).

551. Advanced Exercise Physiology (3)
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent. Advanced concepts in exercise physiology. Letter grade only (A-F).

552. Exercise Testing and Training in Health and Disease (3)
Prerequisites: KIN 301 or equivalent and BIOL 207 or equivalent. Physiological principles of exercise testing and exercise training in healthy individuals and patients with diseases such as coronary artery disease. Letter grade only (A-F).

553. Environmental Aspects of Human Performance (3)
Prerequisites: Graduate standing; KIN 301 or equivalent with a grade of "C" or better or consent from the instructor. Study of the physiological responses and adaptations associated with exposure to environmental stressors including heat, cold, microgravity, air pollution, and elevated and reduced atmospheric pressures. Emphasis will be placed upon physical performance and its limitations under various environmental conditions. Letter grade only (A-F).

560. Health Related Problems in Sport (3)
Prerequisites: KIN 207 and 301 or their equivalents and BIOL 207 and 208 or their equivalents. Examination of health problems related to engaging in vigorous physical activity. Letter grade only (A-F).

561. Musculoskeletal Injuries in Sport (3)
Prerequisites: KIN 207 and 300 or their equivalents and BIOL 208 or its equivalent. An in-depth study of the most prevalent musculoskeletal injuries occurring in sports activities, including mechanisms, tissue responses, and management procedures. Letter grade only (A-F).

562./462. Advanced Strength and Conditioning (3)
Prerequisites: KIN 300, 301.
Study of biomechanical and kinesiological factors which are important in understanding the function and proper techniques for execution of a wide variety of standard and advanced weight training exercises. Physiological bases for strength training and adaptations caused by different training regimes are emphasized. Letter grade only (A-F).

565./465. Clinical Exercise Electrocardiography (3)
Prerequisites: BIOL 207, KIN 301, and/or consent of instructor. Study physiology and patho-physiology of electrical activity of the heart. Instruction directed toward pattern recognition of normal and abnormal resting and exercise electrocardiograms.

566./466. Biochemical and Hormonal Adaptations to Physical Activity (3)
Prerequisites: Upper-division undergraduate or Graduate standing; KIN 301 or equivalent; CHEM 111A or its equivalent. Consent of instructor required for upper-division undergraduate students prior to registration. Study of biochemical and hormonal changes that occur as a result of acute and chronic physical activity. Emphasis on application of concepts to development of exercise training programs. Upper-division undergraduate students register in KIN 466; graduate students register in KIN 566. Letter grade only (A-F). Same course as FCS 566. Not open for credit to students with credit in FCS 566.
Kinesiology Courses (KIN)

568./468. Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.
Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.
Letter grade only (A-F). Same course as FCS 568. Not open for credit to students with credit in FCS 568. Open to all graduate Kinesiology students in the Adapted Physical Education, Coaching and Student Athlete Development, Pedagogical Studies (for K-12 teachers), Sport Management, Individualized Studies, Exercise Science, Exercise Physiology and Nutrition, Sport and Exercise Psychology, and Sports Medicine and Injury Studies options and M.S. students in the Nutritional Science without Dietetic Internship, Nutritional Science with Dietetic Internship, and Food Science emphases and/or consent of instructor.

571./471. Technological Applications in Sport and Exercise Science (3)
Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
Learning and application of advanced computer and technology skills such as biofeedback, video analysis software, advanced audio and video recording, software for presentations and interactive workshops, worldwide communications, and distance learning/consultations.
Letter grade only (A-F). Graduates register in KIN 571; undergraduates register in KIN 471. A written report is required for KIN 571 students.

572./472. Applied Sport Psychology (3)
Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
Application of psychological skills and interventions to enhance athletic performance.
Letter grade only (A-F). Graduates register in KIN 572; undergraduates register in KIN 472. A written report is required for KIN 572 students.

573. History of Sport in the U.S.A. (3)
Prerequisite: KIN 335 or equivalent.
An analysis of the history of American sport as it reflects the dominant themes in American society.

575./475. Psychology of Coaching (3)
Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
Current topics of psychological concern and application as related to athletic performance.
Letter grade only (A-F). Graduates register in KIN 575; undergraduates register in KIN 475. A written report is required for KIN 575.

577. Sport in U.S. Culture (3)
Prerequisite: KIN 332I or equivalent.
Analysis of physical activities in U.S. culture. Consideration of the relationships between sports and games and the factors of status, values, environment and cultural change.

578./478. Psychological Aspects of Exercise and Fitness (3)
Prerequisites: KIN 339I; upper division standing or consent of instructor or graduate standing.
Philosophical, psychological and behavioral concepts of physical activities and health states will be discussed. Professional standards and invention strategies will be covered.
Letter grade only (A-F). Graduates register in KIN 578; undergraduates register in KIN 478; A written report is required for KIN 578.

580. Computer Applications in Physical Education (3)
Prerequisites: Graduate standing, consent from instructor.
Introduction to computer hardware and software used in Kinesiology including DOS/Windows and Apple Macintosh operating systems. Topics include: hardware, operating systems, word-processing, spreadsheets, data exchange, presentation graphics/authoring tools, and video capture. Emphasis will be placed on integrating the use of hardware and software into a variety of Physical Education environments.

587./487. Supervised Activity Instruction Experience (1-3)
Prerequisite: Upper division or graduate standing and consent of instructor.
Experience in the organization of and methods for the activity component of a course in kinesiology and physical education.
Undergraduates register in KIN 487; graduates register in KIN 587. A written report is required for KIN 587 students. May be repeated to a maximum of 4 units. Letter grade only (A-F). Restricted to major students only. Not open for credit to graduate students with credit in KIN 487. (Conference 1 hour, Laboratory 2 hours per unit.)

588./488. Clinical Basis of Kinesiotherapy (3)
Prerequisites: Completion of Bachelor’s degree in Kinesiology, Physical Therapy, Exercise Physiology, or Kinesiotherapy and admission into the Kinesiotherapy Certificate Program and successful completion of a course(s) in pathological and neurological foundations of rehabilitation or approval of the Director of the Kinesiotherapy Certificate Program.
The theoretical foundations of clinical practice in Kinesiotherapy.
Letter grade only (A-F).

588L. Kinesiotherapy Clinical Training I Laboratory (6)
Corequisite: KIN 588.
Instruction and observation at the Long Beach Veterans Administration Medical Center.

589. Kinesiotherapy Clinical Training II (3)
Prerequisite: Satisfactory completion of KIN 588.
Theory and practice of Kinesiotherapy techniques in a medical center setting. 500 hours of instruction and observation at Long Beach Veterans Administration Medical Center.

589L. Kinesiotherapy Clinical Training II (3)
Corequisite: KIN 589.
Laboratory instruction and observation at the Long Beach Veterans Administration Medical Center.

590. Statistical Analysis and Measurement in Kinesiology and Physical Education (3)
Prerequisites: EDSE 421, EDSS 450P or 450W, KIN 483 or equivalent.
Introduces students to the logic and application of basic descriptive and inferential statistics (i.e., correlation, regression, and analysis of variance) and includes a critical analysis of selected research publications.
Required of all master’s degree candidates. To be completed within first 12 units of 500-600 series courses.

591. Field Studies in Sport Event Management (3)
Prerequisites: Graduate standing; admission to the Kinesiology Graduate Sports Management Program.
Practical field-based course requires students to complete 15 hours of classroom seminar instruction and 120 hours of supervised practical experience in a managed sport setting.
Letter grade only (A-F).
592A. Sports Management Internship (3)
Prerequisites: Graduate standing; admission to the Kinesiology Graduate Sports Management Program.
A minimum of 20 hours per week for 16 weeks of supervised work experience in an approved sport management/administrative setting, jointly supervised by a University Faculty member and a supervisor from the assigned organization. May be in a paid or volunteer capacity.
Note: 6 units in one semester may not be taken if student is full-time employed. May be repeated to a maximum of 6 units. Letter grade only (A-F).

593A. Coaching Internship (3)
Prerequisites: Bachelor degree with a major or minor in Kinesiology or Physical Education or an approved related major; advancement to candidacy and approval of Intern Coordinator.
A minimum of 20 hours per week for 16 weeks of supervised work experience in an approved coaching setting, jointly supervised by a University Faculty member and a supervisor from the assigned organization. May be in a paid or volunteer capacity.
Note: 6 units in one semester may not be taken if student is full-time employed. May be repeated to a maximum of 6 units. Letter grade only (A-F).

594/494. Exercise Science Internship (3)
Prerequisites: Upper division or graduate standing with a grade of "B" or better in KIN 300 for a biomechanics internship or KIN 301 for an exercise physiology internship or KIN 312 for a motor control and learning internship.
Provides a minimum of 120 hours of practical experience in applying exercise science concepts in a fieldwork setting. The internship will provide such experiences as conducting the biomechanical/physiological exercise testing and/or leading the exercise training of selected subject populations such as patients undergoing cardiac rehabilitation, asymptomatic adults, and athletes.
Consent of instructor required prior to registration.
Upper-division undergraduate students register in KIN 494; Graduate students register in KIN 594. Letter grade only (A-F). May be repeated to a maximum of 6 units.

595/495. Supervised Laboratory Methods (1-3)
Prerequisites: Upper division or graduate standing and consent of instructor.
Experience in the organization of and methods for a laboratory in kinesiology and physical education. Includes assisting students with their experiments and laboratory reports.
Undergraduates register in KIN 495; graduates register in KIN 595.)
A written report is required for KIN 595 students. May be repeated to a maximum of 4 units. Letter grade only (A-F). Restricted to Kinesiology major students only. Not open for credit to graduate students with credit in KIN 495. (Conference 1 hour, laboratory 2 hours per unit) May be repeated to a maximum of 4 units.

596. Practicum in Physical Education Pedagogy (3)
Prerequisites: Graduate standing; admission to the Master of Arts Program in Pedagogical Studies.
Students are required to evaluate their teaching and provide documentation that they are addressing all of the physical education standards for individuals ages 3-18 that have been established by the National Board for Teacher Certification (NBPTS).
Letter grade only (A-F).

597. Independent Research (1-3)
Prerequisites: Consent of Kinesiology faculty member and graduate advisor.
Independent research under the guidance of a faculty member. Varied learning activities utilized to achieve competency related to Physical Education not offered in regular classes.
Written report required. Letter grade only (A-F). (Independent Study)

630. Seminar in Motor Learning (3)
Prerequisites: KIN 312, 590 and 696 (may be taken concurrently). Identification and analysis of motor learning principles and theories applicable to training, learning, and rehabilitation in sport, physical education, recreation, and therapeutic settings.

633. Seminar in Sport Psychology (3)
Prerequisite: KIN 339I or consent of instructor.
Study of psychological theories and their relationship to human behavior in sport and other physical activity settings.

638. Seminar in Trends in Adapted Physical Education (3)
Prerequisites: KIN 537 or equivalent. An examination and analysis of the current trends in Adapted Physical Education.

671. Seminar in Current Trends and Issues in Kinesiology (3)
Prerequisite: Graduate standing.
Examines current trends and issues in Kinesiology, develop and defend personal perspective on significant issues, and identify problems and develop plans for problem-solution In organizational/ professional contexts.
Letter grade only (A-F).

694. Capstone in Kinesiology (3)
Prerequisite: KIN 696 and admission into a Kinesiology graduate program.
Focuses on the process, production, and presentation of research projects in Kinesiology.
Letter grade only (A-F).

695. Seminar in Professional Literature (3)
Prerequisites: KIN 590, 696. Critical analysis and synthesis of professional literature in Kinesiology. Professional portfolio required to be submitted during the class.
Required of all candidates not electing thesis option.

696. Research Methods and Statistical Analysis (3)
Prerequisites: Undergraduate major in Kinesiology or related field, undergraduate Statistic course or equivalent.
Methodological approaches to contemporary problems in Kinesiology, including research design, data collection and analysis, and application of descriptive and inferential statistics.

697. Directed Studies (1-3)
Prerequisites: KIN 590, 696, advancement to candidacy.
Research in an area of specialization under the direction of a faculty member.

698. Thesis/Project (1-4)
Prerequisites: KIN 590, 696, advancement to candidacy.
Planning, preparation and completion of an approved thesis/project. Professional portfolio required to be submitted during the class.

699. Selected Topics in Kinesiology (3)
Intensive study of salient problems of current professional importance to experienced physical educators.
May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.
Athletic Training Courses (ATEP)

LOWER DIVISION

207. Prevention and Care of Athletic Injuries (3)
Prerequisites: KIN 210 or equivalent.
Principles and techniques of the prevention and care of common athletic injuries.
Not open for credit to students with credit in KIN 207. (Lecture 2 hours, Activity 2 hours).

306. Medical Aspects of Athletic Training (3)
Prerequisites: BIOL 207, 208; ATEP 207.
Principles and techniques of related medical concepts applicable to the athletic training setting.
Open to Kinesiology majors in athletic training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 304. (Lecture 2 hours, Activity 2 hours).

UPPER DIVISION

304. Clinical Aspects of Athletic Training (3)
Prerequisites: BIOL 207, 208; ATEP 207.
Principles and techniques of related medical concepts applicable to the athletic training setting.
Open to Kinesiology majors in athletic training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 306.

308A. Athletic Training Evaluation I (3)
Prerequisites: ATEP 207, BIOL 208.
Study of athletic training clinical skills required for assessment of pathologies to the lower extremity and lumbar spine. Integrate anatomical knowledge and evaluation techniques to provide a basis for critical decision-making in injury management.
Open to Kinesiology majors in Athletic Training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 308A. (Lecture 2 hours, Activity 2 hours)

308B. Athletic Training Evaluation II (3)
Prerequisite: ATEP 308A.
Study of athletic training clinical skills required for assessment of pathologies to the head, face, upper extremity, and cervical spine. Integrate anatomical knowledge and evaluation techniques to provide a basis for critical decision-making in injury management.
Open to Kinesiology majors in Athletic Training or consent of instructor. Letter grade only (A-F). Not open for credit to students with credit in KIN 308B. (Lecture 2 hours, Activity 2 hours)

309. Developmental and Therapeutic Exercise (3)
Prerequisites: KIN 300, 301 or consent of instructor.
Principles, techniques, and prescription of exercises for development or rehabilitation of the body.
Not open for credit to students with credit in KIN 309. (Lecture 2 hours, Activity 2 hours.)

310. Therapeutic Approaches in Athletic Training (3)
Prerequisites: ATEP 308A or 309 or consent of instructor.
Theory and application therapeutic modalities and exercise rehabilitation commonly used in athletic training programs.
Open to Kinesiology majors in the athletic training option only. Not open for credit to students with credit in KIN 310. (Lecture 2 hours, Activity 2 hours)

407. Management Strategies in Athletic Training (3)
Prerequisites: Senior standing or consent of instructor.
Professional issues, administration, and management strategies of athletic training programs.
Open to Kinesiology majors in the athletic training option only. Not open for credit to students with credit in KIN 407.

490A. Clinical Practicum in Athletic Training (2)
Prerequisites: Consent of instructor and Grade of "B" or better in ATEP 490; satisfactory completion of CSULB ATEP Physical Exam Form and satisfactory completion of CSULB ATEP Technical Standards Form.
First of four semesters. Clinical experiences with formal instruction and evaluation of the Athletic Training Educational Competencies. Weekly campus clinical practicum meeting. Minimum of 250 hours supervised by an Approved Clinical Instructor or a Clinical Instructor.
Credit/No Credit grading only. Not open for credit to students with credit in KIN 490A.

490B. Clinical Practicum in Athletic Training (2)
Prerequisites: Consent of instructor and successful completion of ATEP 490A; satisfactory completion of CSULB ATEP Physical Exam Form and satisfactory completion of CSULB ATEP Technical Standards Form.
Second of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Educational Competencies. Weekly campus clinical practicum meeting. Minimum of 250 hours supervised by an Approved Clinical Instructor or a Clinical Instructor.
Credit/No Credit grading only. Not open for credit to students with credit in KIN 490B.

490C. Clinical Practicum in Athletic Training (2)
Prerequisites: Consent of instructor and successful completion of ATEP 490B.
Third of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Educational Competencies. Weekly campus clinical practicum meeting. Minimum of 250 hours supervised by an Approved Clinical Instructor or a Clinical Instructor.
Credit/No Credit grading only. Not open for credit to students with credit in KIN 490C.

490D. Clinical Practicum in Athletic Training (2)
Prerequisites: Consent of instructor and successful completion of ATEP 490C.
Fourth of four semesters. Continuation of clinical experiences with formal instruction and evaluation of the Athletic Training Educational Competencies. Weekly campus clinical practicum meeting. Minimum of 250 hours supervised by an Approved Clinical Instructor or a Clinical Instructor.
Credit/No Credit grading only. Not open for credit to students with credit in KIN 490D.

490E. Clinical Practicum in Athletic Training (2)
Prerequisites: Consent of instructor and successful completion of ATEP 490D.
Clinical experiences designed to advance knowledge and skills to become a successful entry level certified athletic trainer. Minimum of 250 hours of clinical experience under the supervision of an Approved Clinical Instructor or a Clinical Instructor.
Credit/No Credit grading only. Not open for credit to students with credit in KIN 490E.
Leader Development/Assessment Course

The Advanced Course is a two-year period. To become a cadet, students must complete the Basic Course, ROTC Summer Basic Camp, or Basic Training. The cadet must also make a commitment to attend all required training activities and sign a contract to accept a commission in the United States Army. In return, the Military Science Department will provide $350 - $500 a month, classroom instruction, leadership opportunities, and feedback on cadet’s leadership progress. A 32-day summer training camp will be provided for assessing and developing the cadet's leadership abilities. Cadets receive pay at the rate of one-half of Second Lieutenant's basic pay. Upon successful completion of the Advanced Course and graduation from the university, cadets will be eligible to be commissioned as a Second Lieutenant in the United States Army.

Required Related General Education Subjects
1. Written Communications: (Category A) ENGL 100
2. Human Behavior: (Category D) POSC 100
3. Computer Literacy
4. Mathematical Reasoning: (Category B) MATH 103 or 110

Courses (M S)

LOWER DIVISION
(Open to all University students)

101. Foundations of Officership (1)
Corequisite for ROTC Cadets: MS 101L.
Introduction to issues and competencies that is central to a commissioned officer’s responsibilities, including: the Army Profession; personal development; physical well-being, leadership; values and ethics.
Letter grade only (A-F).

101L. Leadership Laboratory (1)
Prerequisites: Accepted as a cadet in the Army ROTC Program; Corequisite: MS 101.
Credit/No Credit grading only. (Activity 2 hours.)

102. Basic Leadership (1)
Prerequisite/Corequisite: MS 101 or consent of instructor.
Corequisite for ROTC Cadets: MS 102L.
Expands upon topics introduced in MS 101 by focusing on communications, leadership, and problem solving. Course also includes information about the organization of the Army, employment benefits, and work experience of Junior Officers.
Letter grade only (A-F).

102L. Leadership Laboratory (1)
Prerequisites: Accepted as a cadet in the Army ROTC Program; Corequisite: MS 102.
Credit/No Credit grading only. (Activity 2 hours.)
201. Individual Leadership Studies (2)
Prerequisites: MS 101, 102 or concurrent enrollment in MS 102.
Corequisite for ROTC Cadets: MS 201L.
Using principles of action, experiential and discovery learning, students face challenging physical and mental tasks, including: personal development, goal setting, communication, problem solving, decision making, leadership, teamwork, group processes, stress management, physical fitness and application of lessons to officership.
Letter grade only (A-F).

201L. Leadership Laboratory (2)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 201.
Credit/No Credit grading only. (Activity 4 hours.)

202. Leadership and Teamwork (2)
Prerequisite: MS 201 or consent of instructor.
Corequisite for ROTC Cadets: MS 202L.
Continuation of MS 201. Continues to employ the principles of action, experiential, and discovery teaming.
Letter grade only (A-F).

202L. Leadership Laboratory (2)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 202.
Credit/No Credit grading only. (Activity 4 hours.)

UPPER DIVISION

301. Leadership and Problem Solving (3)
Prerequisites: MS 202 and consent of instructor.
Corequisite for ROTC Cadets: MS 301L.
Enables students with no prior military or cadet experience to learn essential cadet knowledge and skills necessary for the integration into the cadet battalion and successful performance of key cadet tasks. Students are introduced to the Leadership Development Program.
Letter grade only (A-F).

301L. Leadership Laboratory (1)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 301.
Serve in leadership positions in the military chain of command at squad, platoon, and company levels. Develop and execute unit plans and orders; train other students in basic skill building, teamwork, execute small unit tactics, and prepare for Leadership Development and Assessment Course.
Credit/No Credit grading only.

302. Leadership and Ethics (3)
Prerequisites: MS 301 and consent of instructor.
Corequisite for ROTC Cadets: MS 302L.
Continues the development of students as leaders in foundational areas of leadership, interpersonal communications, values and ethics.
Letter grade only (A-F).

302L. Leadership Laboratory (1)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 302.
Students serve in leadership positions in military chain of command at squad, platoon and company levels. Develop and execute unit plans and orders; train other students in basic skill building, teamwork, execute small unit tactics, and prepare for the Leadership Development and Assessment Course training and evaluation.
Credit/No Credit grading only.

401. Leadership and Management (3)
Prerequisites: MS 302 and consent of instructor.
Corequisite for ROTC Cadets: MS 401L.
Begin the final transition from cadet to lieutenant. Focus on the Army’s training management system, coordinating activities with staff, and counseling skills.
Letter grade only (A-F).

401L. Leadership Laboratory (2)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 402.
Credit/No Credit grading only. May be repeated to a maximum of 4 units. (Activity 4 hours.)

402. Officership (3)
Prerequisites: MS 302 and consent of instructor.
Corequisite for ROTC Cadets: MS 402L.
Complete transition from cadet to Lieutenant. Examine unit ethical climate and commander’s role as moral anchor of unit. Topics include military law and leadership, Army organization, tactical and strategic operations, administrative and logistical management. Includes Leadership Development and Assessment Course Capstone Exercise.
Letter grade only (A-F).

402L. Leadership Laboratory (2)
Prerequisite: Accepted as a cadet in the Army ROTC Program;
Corequisite: MS 402.
Credit/No Credit grading only. May be repeated to a maximum of 4 units. (Activity 4 hours.)

411. U.S. Military History (3)
Corequisite for ROTC Cadets: MS 401L or 402L.
Evolution of the art of war with emphasis placed on the changing nature of warfare as nations adjust to social, political, economic and technological developments.
Letter grade only (A-F).

497. Independent Studies (1-3)
Prerequisites: Consent of Program Director and prior approval of topic.
Individual studies with faculty supervision in an area of Military Science specialization.
Letter grade only (A-F). Limited to a maximum of 3 units per semester. May be repeated to a maximum of 6 units.
Director of School of Nursing: Loucine Huckabay  
Director of Graduate Program: Savitri Singh-Carlson  
Director of Undergraduate Program: Beth Keely  
School Office: Nursing Building (NUR), Room 60H  
Telephone: (562) 985-4463  
Faculty: Margaret Brady, Lyn Callahan, Natalie Cheffer, Catherine Cummings, Rebecca Dahlen, Kathryn Deitch, Joy Goebel, Loucine Huckabay, Ahlam Jadalla, Leaun Johnson (Emerita), Lina Kawar, Beth Keely, Bonnie Kellogg (Emerita), Jarline Ketola, Farideh Khoiny, David Kumrow, Ruth G. Mullins (Emerita), Barbara J. Nelms, Alice Noquez, Nancy Oliver (Emerita), Sharon L. Roberts (Emerita), Savitri Singh-Carlson, Judy E. Smith, Christine Talmadge Nelms, Alice Noquez, Nancy Oliver (Emerita), Sharon L. Roberts (Emerita), Savitri Singh-Carlson, Judy E. Smith, Christine Talmadge  
Nelms, Alice Noquez, Nancy Oliver (Emerita), Sharon L. Roberts (Emerita), Savitri Singh-Carlson, Judy E. Smith, Christine Talmadge

Students desiring information should contact the school office for dates of opening counseling sessions.

Career Possibilities
Office Nurse • Nurse Consultant • Public Health Nurse • School Nurse • Clinical/Staff Nurse • Industrial Nurse • Private Duty Nurse • Home Health Care Nurse • Clinical Specialist • Nurse Practitioner • Armed Forces Officer • Nurse Supervisor • Teacher • Training Director • Public Health Education (Some of these, and other careers, require additional education or experience. For more information, see www.careers.csulb.edu.)

Undergraduate Programs

Bachelor of Science in Nursing
This program prepares students to become professional nurses. Two distinct categories of students are eligible for admission: The "basic student" who enters the University without having completed a first level nursing program and the "registered nurse student" who, having completed the first level, desires further study to expand their nursing capabilities to the BSN professional level.

The "basic student" is eligible to take the examination for licensure to practice as a registered nurse upon completion of the program. All graduates are recommended for certification as a public health nurse in the State of California. The program is accredited by the California State Board of Registered Nursing, and the Commission on Collegiate Nursing Education (Commission on Collegiate Nursing Education, 1 Dupont Circle, NW, Suite 530, Washington, DC 20036-1120, phone: 202-887-6791).

Bachelor of Science in Nursing – Basic (135 units)

Admission Under Impaction
Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major.html.

In order to be considered for admission to the Nursing major, students must complete a series of prerequisite courses: written communication, oral communication, critical thinking, mathematics, BIOL 207, BIOL 208, CHEM 140, and MICR 200. Each course must be completed with a “C” or better grade; when all prerequisites are completed the GPA for the prerequisite courses must be “B” or better (3.0 or better). Applicants to the nursing major are normally admitted by the time they reach junior standing. Applicants will only be considered if they will have less than 90 total baccalaureate units earned prior to the term of program entrance.

Degree Progress for Pre-Nursing Majors
Pre-Nursing majors must complete the following requirements within four semesters of being admitted as a Pre-Nursing major or declaring a Pre-Nursing major. Some students may need to take courses during Summer Session to meet these requirements. At the end of the four semesters after Declaration of a Pre-Nursing major, students who have not met the requirements must either declare another major or meet with an Academic Advisor to determine if the student's performance in the courses merits an additional semester to complete.

At the end of the second semester, pre-nursing students must have a grade of “C” or better in general education certified written communication, oral communication, critical thinking, and mathematics courses as well as a combined GPA of 3.0 or better in these prerequisite courses.

Pre-Nursing students with an ELM score that places them in MAPB 1 or MAPB 7 or MAPB 11 may petition for an additional semester.

At the end of the fourth semester, pre-nursing students must have a “C” grade or better in BIOL 207, BIOL 208, CHEM 140, and MICR 200 as well as a combined GPA of 3.0 or better in these prerequisite courses.

At the end of the fourth semester, Pre-Nursing students must apply to become Nursing majors. Candidates must complete a General Assessment Test and should contact the school to learn how to take the General Assessment Test. In reviewing applications, a personal profile is developed for each applicant based on GPA, in prerequisite courses and the General Assessment Test. The largest weight in the profile is derived from the prerequisite science course GPA, with typical grade point averages for these courses being 3.25 or higher and no grades below a “C.” Candidates with the highest profile scores are selected for admission. It is anticipated that about seventy-two (72) students will be admitted each Fall and Spring semesters from hundreds of applicants.

Requirements
Natural Science Prerequisites:

Take all of the following courses:
CHEM 140 General, Organic, and Biochemistry (5)  
Prerequisites: A GE math course (may be taken concurrently); high school chemistry or equivalent.  
BIOL 207 Human Physiology (4)  
Prerequisites: GE Foundation requirements.  
BIOL 208 Human Anatomy (4)  
Prerequisites: GE Foundation requirements.
**Nursing Courses:**

**Support Courses:**

- Take all of the following courses:
  - Oral Communication, and Critical Thinking.
- English Composition, Quantitative Reasoning,
  - MICR 200 General Microbiology for Health Professional (4) 
  - Prerequisites: CHEM 11A or 140 with a grade of "C" or better and GE Foundation requirements.

**Prerequisite General Education Courses:**

**Corequisites:**

- NRSG 200 Introduction to Nursing Health Care (6) 
  - Prerequisites: Admission to the nursing program. Corequisites: NRSG 202, 302, 305, NUTR 339 or consent of instructor.
- NRSG 202 Health Care Communication (2) 
  - Prerequisites: Admission to the nursing program, or consent of instructor. Corequisites: NRSG 200, 302, 305, NUTR 339.
- NRSG 250 Intermediate Nursing Health Care (6) 
  - Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 260, 312, or consent of instructor.
- NRSG 260 Older Adult Health Care (4) 
  - Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 250, 312, or consent of instructor.
- NRSG 302 Foundations of Clinical Pharmacology (2) 
  - Prerequisites: BIOL 207, 208, CHEM 140, MICR 200 or consent of instructor. Corequisites: NRSG 200, 202, 305 and NUTR 339.
- NRSG 305 Pathophysiology for Nurses (3) 
  - Prerequisites: BIOL 207, 208, CHEM 140, MICR 200 or consent of instructor. Corequisites: NRSG 200, 202, 305 and NUTR 339.
- NRSG 312 Health Assessment (3) 
  - Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 250, 260, or consent of instructor.
- NRSG 331 Critical Care Nursing (5) 
  - Prerequisites: NRSG 250, 260, 312, or consent of instructor. Corequisites: NRSG 341 or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
- NRSG 341 Psychiatric/Mental Health Nursing (6) 
  - Prerequisites: PSY 100, SOC 100, NRSG 250, 260, 312, or consent of instructor. Corequisites: NRSG 331, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
- NRSG 353 Legal Aspects of Health Care (2) 
  - Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 361, 372, or consent of instructor.
- NRSG 361 Child Health Care (7) 
  - Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 353, 361, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
- NRSG 372 Health Care of the Childbearing Family (6) 
  - Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 353, 361, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
- NRSG 400 Health Care Delivery Systems (3) 
  - Prerequisites: NRSG 353, 361, 372, or consent of instructor; for RNs: NRSG 305, 309, or consent of instructor. Corequisites: NRSG 402 or consent of instructor.
- NRSG 402 Community Health Nursing (7) 
  - Prerequisites: NRSG 353, 361, 372, or consent of instructor; for RNs NRSG 305, 312, or consent of instructor. Corequisites: NRSG 400, or consent of instructor.
- NRSG 450 Nursing Research (3) 
  - Prerequisites: NRSG 400, 402. Corequisites: NRSG 452 or 453 or 454.
- NRSG 451 Nursing Leadership and Management (2) 
  - Prerequisites: NRSG 400, 402. Corequisites: NRSG 450, 452 or 453 or 454. Satisfactory level ATI testing including remediation as appropriate.
- NRSG 458 NCLEX-RN Preparatory Course (1) 
  - Prerequisites: NRSG 400, 402. Corequisites: NRSG 450, 452 or 453 or 454. Select one of the following:
  - NRSG 452 Advanced Nursing in Critical Care (6) 
    - Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
  - NRSG 453 Adv Nursing in Maternal-Child Health (6) 
    - Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
  - NRSG 454 Advanced Medical, Surgical, Community, Mental Health Nursing (6) 
    - Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Criminal background check, health insurance, immunizations, medical clearance, and malpractice insurance are required for clinical coursework.

To be recommended to the California Board of Registered Nursing (BRN) to take the licensure exam as a Registered Nurse, students must successfully complete the RN Prelicensure Exit Assessment. The results of this assessment will not impact the conferring of the bachelor's degree.

**Bachelor of Science in Nursing – Registered Nurse (120 units)**

**Admission**

Registered Nurse Applicants are required to apply for admission to the University and do the following:
1. Hold a current license or be eligible for license to practice in California;
2. Graduation from an Accredited Associate Degree program or evaluation of diploma program for equivalency by an Accredited Associate Degree program;
3. Have 56 to 70 transferable units;
4. Maintain malpractice and health insurance throughout clinical coursework and submit to a criminal background check;
5. Attend a group counseling session for RN students and complete the RN application form;
6. Submit official transcripts of any previous college work to the School of Nursing;
7. Fulfill the Graduation Writing Assessment Requirement (GWAR) either prior to admission or within the first semester in the program.
Graduates of diploma schools of nursing are urged to seek information/admission to a community college that offers the opportunity to earn academic credit for a diploma nursing program.

Requirements
Support Courses:

Take the following:
- CHEM 140 General, Organic, and Biochemistry (5)
  Prerequisites: A GE math course (may be taken concurrently); high school chemistry or equivalent.

Take one of the following:
- PSY 310 Intermediate Statistics (4)
  Prerequisites: PSY 100, 210, GE Foundation requirement and upper division standing.

EDP 419 Educational Statistics (3)
Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

Take all of the following:
- NRSG 305 Pathophysiology for Nurses (3)
  Prerequisites: BIOL 207, 208, CHEM 140, MICR 200 or consent of instructor. Corequisites: NRSG 200, 202, 305 and NUTR 339.

- NRSG 309 Dimensions of Professional Nursing (2)
  Prerequisites: Admission to the ADN to BSN program.
  Support courses: CHEM 140, NRSG 305.

- NRSG 312 Health Assessment (3)
  Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 250, 260, or consent of instructor.

- NRSG 400 Health Care Delivery Systems (3)
  Prerequisites: NRSG 353, 361, 372, or consent of instructor for RNs; NRSG 305, 309, or consent of instructor. Corequisites: NRSG 402 or consent of instructor.

- NRSG 402 Community Health Nursing (7)
  Prerequisites: NRSG 353, 361, 372, or consent of instructor; for RNs NRSG 305, 312, or consent of instructor. Corequisites: NRSG 400, or consent of instructor.

- NRSG 450 Nursing Research (3)
  Prerequisites: NRSG 400, 402. Corequisites: NRSG 452 or 453 or 454.

- NRSG 451 Nursing Leadership and Management (2)
  Prerequisites: NRSG 400, 402. Corequisites: NRSG 450, 452 or 453 or 454. Satisfactory level ATI testing including remediation as appropriate.

Take one of the following:
- NRSG 452 Advanced Nursing in Critical Care (6)
  Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

- NRSG 453 Adv Nursing in Maternal-Child Health (6)
  Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

- NRSG 454 Advanced Medical, Surgical, Community, Mental Health Nursing (6)
  Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.

Course of Study
A specific combination of general education, prerequisites, nursing and elective courses totaling 135 units for the basic program and 120 units for the R.N. program are required for graduation. All nursing courses in the nursing program must be taken in sequence. Admission to the first course is by application which will be accepted upon successful attainment of the criteria listed above. The last date to file applications for each semester will be available in the School of Nursing. Progress in the nursing major requires that students maintain a cumulative 2.0 GPA on all units attempted and attain a minimum of a “C” grade in each of the nursing courses as well as all required support courses. The student who earns less than a grade of “C” must repeat that course prior to being admitted to the next course in the nursing course sequence. A nursing course may be repeated one time. A break in the sequence of nursing courses necessitates readmission on a space-available basis.

Graduate Programs

Master of Science in Nursing
This degree is available to qualified students who desire advanced studies. The program is approved by the Board of Registered Nursing, and accredited by the Commission on Collegiate Nursing Education (1 Dupont Circle, NW, Suite 530, Washington, DC, 20036-1120, phone: 202-887-6791). A Master of Science (MS) degree in Nursing is offered for the following specialties: Nurse Practitioner (Adult-Geriatric, Family, Pediatric, Psychiatric-Mental Health, and Women's Health), Clinical Nurse Specialist - Adult, and Nursing Administration. In addition, two dual degree programs are offered: Master of Science in Nursing /Master of Public Health (MSN/MPH) and Master of Science in Nursing / Master of Science in Health Care Administration (MSN/MSHCA).*

Nurse Practitioner Concentration
Specialty Areas: Family, Pediatric, Adult-Geriatric, Women's Health, and Psychiatric-Mental Health

Prerequisites
1. A bachelor's degree in nursing preferred; A bachelor's degree in a related field will be considered;
2. Current license to practice as a registered nurse in California;
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. A physical assessment course which includes clinical practice, must have been taken within last five years;
6. An upper division or graduate level course in pathophysiology;
7. An upper division community health nursing course with lab for non-BSN applicants;
8. An overall GPA of 3.0 or better in the undergraduate program.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.
Requirements
1. Completion of a minimum of 38-45 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better in the undergraduate program.

Core Courses
For all Nurse Practitioner specialties, take the following courses:
NRSG 510 Advanced Pathophysiology for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.

NRSG 520 Advanced Pharmacology for Advanced Practice Nursing (3)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 540 Health Care Economics, Policy, and Management for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 550 Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 596 Research Methods in Nursing (3)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

For Family, Adult-Geriatric, Women’s Health, and Psychiatric-Mental Health Nurse Practitioner specialties, take the following additional core courses:
NRSG 530 Advanced Physical Assessment for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor.

NRSG 530L Advanced Physical Assessment Lab (1)
Prerequisites: Admission to graduate program or consent of instructor. Corequisites: NRSG 530.

For Pediatric Nurse Practitioner specialty only, take the following additional core courses:
NRSG 535 Advanced Pediatric Physical Assessment and Health Promotion (2)
Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535L.

NRSG 535L Advanced Pediatric Physical Assessment Laboratory (1)
Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535.

Specialty Courses
Family Nurse Practitioner Specialty
Family Nurse Practitioner Theory Courses:
NRSG 620 Family Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 620A, 620B.

NRSG 621 Family Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621A, 621B.

Family Nurse Practitioner Clinical Courses:
NRSG 620A Family Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 620, 620B.

NRSG 620B Family Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 620, 620A.

NRSG 621A Family Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621, 621B.

NRSG 621B Family Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621, 621A.

Pediatric Nurse Practitioner Specialty
Pediatric Nurse Practitioner Theory Courses:
NRSG 650 Pediatric Theories for Advanced Practice Nursing I (3)
Prerequisites: NRSG 510, 520, 530, 530L, 540, 550, 560, and 596. Corequisites: NRSG 650A and 650B.

NRSG 651 Pediatric Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 650, 650A, 650B. Corequisites: NRSG 651A and 651B.

NRSG 652 Pediatric Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652A.

Pediatric Nurse Practitioner Clinical Courses:
NRSG 650A Pediatric Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: NRSG 510, 520, 530, 530L, 540, 550, 560, and 596 or consent of instructor. Corequisites: NRSG 650 and 650B.

NRSG 650B Pediatric Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: NRSG 650, 650A, 650B. Corequisites: NRSG 651A and 651B.

NRSG 651A Pediatric Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 650, 650A, 650B. Corequisites: NRSG 651A and 651B.

NRSG 651B Pediatric Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 650, 650A, and 650B. Corequisites: NRSG 651A and 651B.

NRSG 652A Pediatric Clinical Studies for Advanced Practice Nursing V (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652.

Adult-Geriatric Nurse Practitioner Specialty
Adult-Geriatric Nurse Practitioner Theory Courses:
NRSG 630 Adult-Geriatric Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630A, 630B.
NRSG 631A Adult-Geriatric Theories for Advanced Practice Nursing I (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631A, 631B.

Adult-Geriatric Nurse Practitioner Clinical Courses:
NRSG 630A Adult-Geriatric Clinical Studies in Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630, 630B.

NRSG 630B Adult-Geriatric Clinical Studies in Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630, 630A.

NRSG 631A Adult-Geriatric Clinical Studies in Advanced Practice Nursing III (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631, 631B.

NRSG 631B Adult-Geriatric Clinical Studies in Advanced Practice Nursing IV (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631, 631A.

Psychiatric-Mental Health Nurse Practitioner Specialty Courses:
NRSG 640 Psychiatric-Mental Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640A, 640B.

NRSG 641 Psychiatric-Mental Health Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641A, 641B.

Psychiatric-Mental Health Nurse Practitioner Clinical Courses:
NRSG 640A Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640B.

NRSG 640B Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640A.

NRSG 641A Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641, 641B.

NRSG 641B Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641, 641A.

Women's Health Nurse Practitioner Specialty Courses:
NRSG 610 Women's Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610A, 610B.

NRSG 611 Women's Health Theories for Advanced Practice Nursing II (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610A, 610A, 610B, or consent of instructor. Corequisites: NRSG 611A, 611B.

NRSG 612 Women's Health Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 611, 611A, 611B. Corequisite: NRSG 612A.

Women's Health Nurse Practitioner Clinical Courses:
NRSG 610A Women's Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610, 610B.

NRSG 610B Women's Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610, 610A.

NRSG 611A Women's Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor. Corequisites: NRSG 611, 611B.

NRSG 611B Women's Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor. Corequisites: NRSG 611, 611A.

NRSG 612A Women's Health Clinical Studies for Advanced Practice Nursing V (3)
Prerequisites: Admission to the graduate nursing program, NRSG 611, 611A, and 611B. Corequisite: NRSG 612.

For all Nurse Practitioner specialties, take one of the following culminating courses:
NRSG 692 Nursing Directed Project (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of school graduate advisor.

NRSG 695 Professional Literature (3)
Prerequisites: NRSG 510, 520, 530, 530L, 540, 550, 560, 596, 680 class series and NRSG 680L or 680 A/B class series, and advancement to candidacy, or consent of instructor and graduate advisor.

NRSG 698 Thesis (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.

Nursing Administration Concentration

Prerequisites
1. A bachelor's degree in nursing preferred: A bachelor's degree in a related field will be considered;
2. Current license to practice as a registered nurse in California;
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. A physical assessment course which includes clinical practice, must have been taken within last five years;
6. An upper division or graduate level course in pathophysiology;
7. An upper division public health nursing course with lab for non-BSN applicants;
8. An overall GPA of 3.0 or better in the undergraduate program.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

Requirements
1. Completion of a minimum of 39 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better.

Core Courses
For Nursing Administration Concentration, take the following courses:
- NRSG 559 Nursing Administration (3)
  Prerequisites: None.
- NRSG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)
  Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSG 596 Research Methods in Nursing (3)
  Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.
- HCA 510 Human Resources Management in Health Care (3)
  Prerequisites: None.
- HCA 524 Advanced Legal and Ethical Aspects of Health Administration (3)
  Prerequisites: None.

Nursing Administration Theory Courses:
- NRSG 676 Administrative Theories for Nursing Practice I (3)
  Prerequisites: NRSG 559, HCA 510, 515 or consent of instructor. Corequisites: NRSG 676L.
- NRSG 677 Administrative Theories for Nursing Practice II (3)
  Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677L.
- NRSG 678 Administrative Theories for Nursing Practice III (3)
  Prerequisites: NRSG 677, 677L, HCA 537, or the consent of the instructor. Corequisites: NRSG 678L.

Nursing Administration Clinical Courses:
- NRSG 678L Advanced Administrative Nursing Clinical I (3)
  Prerequisites: NRSG 559, HCA 510, 515 or consent of instructor. Corequisites: NRSG 676.
- NRSG 677L Adv Administrative Nursing Clinical II (3)
  Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677, HCA 537.
- NRSG 678L Adv Administrative Nursing Clinical III (3)
  Prerequisites: NRSG 677, 677L, HCA 537 or consent of instructor. Corequisites: NRSG 678.

Completion of one of the following electives or other course with consent of Graduate Director:
- HCA 502, 505, 515, 517, 530, 535

Take one of the following culminating courses:
- NRSG 692 Nursing Directed Project (1-4)
- NRSG 698 Thesis (1-4)

Master of Science in Nursing, Option in Clinical Nurse Specialist – Adult
This program of 52-53 units is designed to expand the scope of advanced practice nursing within acute and chronic care settings. The curriculum will prepare graduates for eligibility for taking the national clinical nurse specialist certification examination.

Prerequisites
1. A bachelor's degree in nursing preferred: A bachelor's degree in a related field will be considered.
2. Current license to practice as a registered nurse in California.
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. A physical assessment course which includes clinical practice, must have been taken within the last five years;
6. An upper division or graduate level course in pathophysiology;
7. An upper division community health nursing course with lab for non-BSN applicants;
8. An overall GPA of 3.0 or better in the undergraduate program.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

Requirements
1. Completion of a minimum of 52-53 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better in the graduate program.

Core Courses
For all Clinical Nurse Specialist, take the following courses:
- NRSG 510 Advanced Pathophysiology for Advanced Practice Nursing (2)
  Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.
- NRSG 520 Advanced Pharmacology for Advanced Practice Nursing (3)
  Prerequisites: Admission to the graduate nursing program or consent of instructor.
- NRSG 530 Advanced Physical Assessment for Advanced Practice Nursing (2)
  Prerequisites: Admission to the graduate nursing program, or consent of instructor.
- NRSG 530L Advanced Physical Assessment Lab (1)
  Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor.
- NRSG 590. Independent Study (1)
  Prerequisite: Consent of a nursing faculty member.
- NRSG 540 Health Care Economics, Policy, and Management for Advanced Practice Nursing (2)
  Prerequisites: Admission to graduate nursing program or consent of instructor.
- NRSG 550 Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)
  Prerequisites: Admission to graduate nursing program or consent of instructor.
- NRSG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)
  Prerequisites: Admission to graduate nursing program or instructor consent.
NRSG 596 Research Methods in Nursing (3)  
Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.

Education Core Courses:

NRSG 556A Conditions of Learning and Instruction in Nursing (3)  
Prerequisites: None.

NRSG 556B Curriculum Development in Nursing (3)  
Prerequisites: None.

NRSG 556C. Microteaching in Nursing (3)  
Prerequisites: Graduate standing; NRSG 556A and 556B.

NRSG 556L Theoretical Concepts in Nursing Education: Practice Teaching (4)  
Prerequisites: NRSG 556A or consent of instructor.

Theory Courses:

NRSG 600 Theories for Advanced Practice Nursing in Adult Care CNS I: Patient/Family (3)  
Prerequisites: NRSG 510, 520, 590 (1 unit), 530, 530L, 540, 550, 560, 596, 556A, 556B, 556C and 556L or consent of instructor. Corequisites: NRSG 600L.

NRSG 601 Theories for Advanced Practice Nursing in Adult Care CNS II: Staff Development (3)  
Prerequisites: NRSG 600, 600L, or consent of instructor. Corequisites: NRSG 601L.

NRSG 602 Theories for Advanced Practice Nursing in Adult Care CNS III: Organizational Systems (3)  
Prerequisites: NRSG 601, 601L, or consent of instructor. Corequisites: NRSG 602L.

Clinical Courses:

NRSG 600L Clinical Studies for the CNS in Adult Care I: Patient/Family (3)  
Prerequisites: NRSG 510, 520, 590 (1 unit), 530, 530L, 540, 550, 560, 596, 556A, 556B, 556C and 556L or consent of instructor. Corequisites: NRSG 600L.

NRSG 601L Clinical Studies for the CNS in Adult Care II: Staff Development (3)  
Prerequisites: NRSG 600, 600L, or consent of instructor. Corequisites: NRSG 601L.

NRSG 602L Clinical Studies for the CNS in Adult Care III: Organizational Systems (3)  
Prerequisites: NRSG 601, 601L, or consent of instructor. Corequisites: NRSG 602L.

For Clinical Nurse Specialists, take one of the following culminating courses:

NRSG 692 Nursing Directed Project (1-4)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of school graduate advisor.

NRSG 695 Comprehensive Exam (3)  
Prerequisites: NRSG 510, 520, 530, 530L, 540, 550, 560, 596, 680 class series, and NRSG 690L or 680 A/B class series, and advancement to candidacy, or consent of instructor and graduate advisor.

NRSG 698 Thesis (1-4)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.

Master of Science in Nursing/Master of Public Health

The School of Nursing and the Department of Health Science offer this program. The curriculum prepares graduates for eligibility for a California Clinical Nurse Specialist certification and for taking the national Clinical Nurse Specialist certification examination.

Prerequisites

1. A bachelor's degree in nursing preferred: A bachelor's degree in a related field will be considered;
2. Current license to practice as a Public Health Nurse in California;
3. Admission to graduate standing in nursing at the University;
4. A college level course in statistics;
5. An ethics course;  
6. A cultural diversity course;
7. Current professional resume describing applicant's relevant experience;
8. An overall GPA of 3.0 or better in the undergraduate program.

Advancement to Candidacy

1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Fulfillment of the Graduate Record Examination (GRE);
5. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

Requirements

1. Completion of a minimum of 56-57 units in approved Nursing and Health Science upper division and graduate courses;
2. If a student after entering the concurrent MSN/MPH program returns to a single degree program, all requirements for the single degree program must be met;
3. An overall GPA of 3.0 or better in the graduate program.

Health Science Core Courses:

HSC 508 Administrative Relationships in Health Education Programs (3)  
Prerequisite: Undergraduate major in Health Science or related field.

HSC 528 Advanced Environmental Health (3)  
Prerequisite: HSC 422 or consent of instructor.

HSC 535 Health Promotion and Risk Reduction (2)  
Prerequisites: HSC 421 or consent of instructor.

HSC 570 Theoretical Concepts and Issues in Health Science (3)  
Prerequisites: None.

HSC 581 Curriculum Dev in Health Education (3)  
Prerequisites: HSC 430, 440.

HSC 624 Seminar in Community Analysis and Program Planning (3)  
Prerequisites: HSC 625 or consent of instructor.

HSC 625 Advanced Community Health Education (3)  
Prerequisites: HSC 401 and 485; or consent of instructor.

Take one of the following courses:

H SC 500 Principles of Epidemiology (3)  
Prerequisites: HSC 301 and HSC 403.

MICR 429 Epidemiology of Infectious Diseases (3)  
Prerequisites: BIOL 260; MICR 320, 322; all of a grade of "C" or better.

Take one of the following courses:

H SC 503 Advanced Community Health Statistics (3)  
Prerequisite: HSC 403 or equivalent.

BIOL 565 Experimental Design/Regression Analysis (4)  
Prerequisites: BIOL 260; MATH 119B or 123; 6 units of upper division biological science all with a grade of "C" or better.
Take one of the following courses:

HSC 696 Research Methods (3)  
Prerequisites: Undergraduate major in Health Science or related field; undergraduate course in statistics.

NRSG 596 Research Methods in Nursing (3)  
Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.

Nursing Theory Courses:

NRSG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)  
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 565 Theories Community Public Health Nursing (3)  
Prerequisites: Admission to graduate nursing program and NRSG 560, or consent of instructor.

NRSG 670 Community/Health Theories for Advanced Practice Nursing I (3)  
Prerequisites: Admission to graduate nursing program and NRSG 565, or consent of instructor. Corequisites: NRSG 670L.

NRSG 671 Community/Health Theories for Advanced Practice Nursing II (3)  
Prerequisites: NRSG 670 and 670L or consent of instructor. Corequisites: NRSG 671L.

NRSG 672 NRSG Community/Health Theories for Advanced Practice Nursing III (3)  
Prerequisites: NRSG 671, 671L or consent of instructor. Corequisites: NRSG 672L.

Nursing Clinical Courses:

NRSG 670L Advanced Community/Public Health Nursing Clinical I (3)  
Prerequisites: Admission to graduate nursing program and NRSG 565 or consent of instructor. Corequisites: NRSG 670L.

NRSG 671L Advanced Community/Public Health Nursing Clinical II (3)  
Prerequisite(s): NRSG 670 and 670L, or consent of instructor. Corequisites: NRSG 671L.

NRSG 672L Advanced Community/Public Health Nursing Clinical III (3)  
Prerequisite(s): NRSG 671, 671L or consent of instructor. Corequisites: NRSG 672L.

For Master of Science in Nursing/Master of Public Health, take one of the following culminating courses:

692. Nursing Directed Project (1-4)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of school graduate advisor.

NRSG 698 Thesis (1-4)  
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.

4. An introductory level statistics course or equivalent.
5. Current professional resume describing applicant's relevant experience.
6. Take the following course (or equivalent): ACCT 201.
7. Take one of the following courses (or equivalent): ECON 101, 300.
8. Submission of a minimum score of 500 on a recent Graduate Management Admissions Test (GMAT) or a total score of a minimum 1000 on the Graduate Record Examination (GRE).
9. An overall GPA of 3.0 or better in the last 60 units of the undergraduate program.

**Advancement to Candidacy**

1. Satisfy the general University requirements for advancement to candidacy;
2. Completion of all undergraduate deficiencies;
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Fulfillment of the Graduate Record Examination (GRE) at the required minimum scores;
5. Approval of the school graduate director and Associate Dean of the College of Health and Human Services.

**Requirements**

1. Completion of a minimum of 53-54 units in approved Nursing and Health Care Administration upper division and graduate level courses;
2. If a student after entering the concurrent MSN/HCA program returns to a single degree program, all requirements for the single degree program must be met;
3. An overall GPA of 3.0 or better in the graduate program.

**Health Care Administration Core Courses:**

HCA 502 The Health Care System (3)  
Prerequisites: None.

HCA 505 Organization and Systems of Health Care (3)  
Prerequisites: None.

HCA 510 Human Resources Management in Health Care (3)  
Prerequisites: None.

HCA 515 Advanced Financial Management in Health Care (3)  
Prerequisites: ACCT 201 or 500.

HCA 524 Advanced Legal and Ethical Aspects of Health Administration (3)  
Prerequisites: None.

HCA 530 Strategic Planning and Marketing in Health Care (3)  
Prerequisites/Corequisites: HCA 502.

HCA 535 Quantitative Methods for Health Admin (3)  
Prerequisites: Statistics.

HCA 550 Continuous Quality Improvement in Health Services (3)  
Prerequisites: HCA 502.

Take one of the following courses:

HCA 698A. Project Part I (3)  
Prerequisites: Completion of all 500-level courses and advancement to candidacy, or consent of instructor.

NRSG 596 Research Methods in Nursing (3)  
Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.
Nursing Theory Courses:

NRSG 560 Foundations of Theoretical and Professional Roles in Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 559 Nursing Administration (3)
Prerequisites: None.

NRSG 676 Admin Theories for Nursing Practice I (3)
Prerequisites: NRSG 559, HCA 510, 515 or consent of instructor. Corequisites: NRSG 676L.

NRSG 677 Admin Theories for Nursing Practice II (3)
Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677L.

NRSG 678 Administrative Theories for Nursing Practice III (3)
Prerequisites: NRSG 677, 677L, HCA 537, or the consent of the instructor. Corequisites: NRSG 678L.

Nursing Clinical Courses:

NRSG 676L Administrative Theories for Nursing Practice I (3)
Prerequisites: NRSG 559, HCA 510, HCA 515 or consent of instructor. Corequisites: NRSG 676.

NRSG 677L Advanced Admin Nursing Clinical II (3)
Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677, HCA 537.

NRSG 678L Advanced Admin Nursing Clinical III (3)
Prerequisites: NRSG 677, 677L, HCA 537 or consent of instructor. Corequisites: NRSG 678.

For Master of Science in Nursing/Master of Sciences in Health Care Administration, take one of the following culminating courses:

HCA 698B Project Part II (3)
Prerequisites: Completion of all HCA 500-level courses, HCA 698A, and consent of the instructor.

NRSG 692 Nursing Directed Project (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of school graduate advisor.

NRSG 698 Thesis (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.

Graduate Certificate Nurse Practitioner

This certificate is awarded to students who complete 32-38 units of post-masters course work in one of the Nurse Practitioner specialty areas. Applications from students who hold a masters degree in nursing as a nurse practitioner will be reviewed individually.

This certificate program is eligible for Financial Aid. Please see the department web site for required Federal disclosure information.

Prerequisites

1. Copies of transcripts of Baccalaureate in Nursing and Masters in Nursing degrees.
2. Copy of State of California RN licensure.
3. Three letters/checklists of references
4. Completion of the School of Nursing Graduate Program Application and university application.

Requirements

1. Completion of a minimum of 32-38 units in approved upper division and graduate courses;
2. An overall GPA of 3.0 or better.

Core Courses

For all Certificate in Nurse Practitioner specialties, take the following courses:

NRSG 510 Advanced Pathophysiology for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.

NRSG 520 Advanced Pharmacology for Advanced Practice Nursing (3)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.

NRSG 540 Health Care Economics, Policy, and Management for Advanced Practice Nursing (2)
Prerequisites: Admission to graduate nursing program or consent of instructor.

NRSG 550 Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)
Prerequisites: Admission to graduate nursing program or consent of instructor.

NRSG 560 Foundations of Theoretical and Professional Roles for Advanced Practice Nurses (2)
Prerequisites: Admission to graduate nursing program or instructor consent.

For Family, Adult-Geriatric, Women's Health, and Psychiatric-Mental Health Nurse Practitioner specialties, take the following additional core courses:

NRSG 530 Advanced Physical Assessment for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor.

NRSG 530L Advanced Physical Assessment Lab (1)
Prerequisites: Admission to graduate program or consent of instructor. Corequisites: NRSG 530.

For Pediatric Nurse Practitioner specialty only, take the following additional core courses:

NRSG 535 Advanced Pediatric Physical Assessment and Health Promotion (2)
NRSG 535L Advanced Pediatric Physical Assessment Laboratory (1)

Specialty Courses

Family Nurse Practitioner Specialty

Family Nurse Practitioner Theory Courses:

NRSG 620 Family Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 620A, 620B.

NRSG 621 Family Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621A, 621B.

Family Nurse Practitioner Clinical Courses:

NRSG 620A Family Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 620, 620B.

NRSG 620B Family Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 620, 620A.
NRSG 621A Family Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor.
Corequisites: NRSG 621, 621B.

NRSG 621B Family Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor.
Corequisites: NRSG 621, 621A.

Pediatric Nurse Practitioner Specialty
Pediatric Nurse Practitioner Theory Courses:

NRSG 650 Pediatric Theories for Advanced Practice Nursing I (3)
Prerequisites: NRSG 510, 520, 530, 535L, 540, 550, 560, and 596. Corequisites: NRSG 650A and 650B.

NRSG 651 Pediatric Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 650, 650A, 650B. Corequisites: NRSG 651A and 651B.

NRSG 652 Pediatric Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652A.

Pediatric Nurse Practitioner Clinical Courses:

NRSG 650A Pediatric Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: NRSG 510, 520, 530, 535L, 540, 550, 560, and 596 or consent of instructor. Corequisites: NRSG 650 and 650B.

NRSG 650B Pediatric Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: NRSG 510, 520, 535L, 540, 550, 560, and 596. Corequisites: NRSG 650 and 650A.

NRSG 651A Pediatric Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 650, 650A, and 650B. Corequisites: NRSG 651 and 651B.

NRSG 651B Pediatric Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 650, 650A, and 650B. Corequisites: NRSG 651 and 651A.

NRSG 652A Pediatric Clinical Studies for Advanced Practice Nursing V (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652.

Adult-Geriatric Nurse Practitioner Specialty
Adult-Geriatric Nurse Practitioner Theory Courses:

NRSG 630 Adult-Geriatric Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630A, 630B.

NRSG 631 Adult-Geriatric Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631A, 631B.

Adult-Geriatric Nurse Practitioner Clinical Courses:

NRSG 630A Adult-Geriatric Clinical Studies in Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630, 630B.

NRSG 630B Adult-Geriatric Clinical Studies in Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596 and clinical pre-test, or consent of instructor. Corequisites: NRSG 630, 630A.

NRSG 631A Adult-Geriatric Clinical Studies in Advanced Practice Nursing III (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631, 631B.

NRSG 631B Adult-Geriatric Clinical Studies in Advanced Practice Nursing IV (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor. Corequisites: NRSG 631, 631A.

Psychiatric-Mental Health Nurse Practitioner Specialty
Psychiatric-Mental Health Nurse Practitioner Theory Courses:

NRSG 640 Psychiatric-Mental Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640A, 640B.

NRSG 641 Psychiatric-Mental Health Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641A, 641B.

Psychiatric-Mental Health Nurse Practitioner Clinical Courses:

NRSG 640A Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640B.

NRSG 640B Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640A.

NRSG 641A Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641, 641B.

NRSG 641B Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641, 641A.

Women's Health Nurse Practitioner Specialty
Women's Health Nurse Practitioner Theory Courses:

NRSG 610 Women's Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610A, 610B.

NRSG 611 Women's Health Theories for Advanced Practice Nursing II (3)
Prerequisites: Admission to the graduate nursing program, and NRSG 610, 610A, 610B, or consent of instructor. Corequisites: NRSG 611A, 611B.

NRSG 612 Women's Health Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 611, 611A, 611B. Corequisite: NRSG 612A.

Women's Health Nurse Practitioner Clinical Courses:

NRSG 610A Women's Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610, 610B.
NRSG 610B Women’s Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610, 610A.

NRSG 611A Women's Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: Admission to graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor. Corequisites: NRSG 611, 611B.

NRSG 611B Women's Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: Admission to graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor. Corequisites: NRSG 611, 611A.

NRSG 612A. Women's Health Clinical Studies for Advanced Practice Nursing V (3)
Prerequisites: Admission to graduate nursing program, NRSG 611, 611A, and 611B. Corequisite: NRSG 612.

**School Nurse Credential (code 600)**

The School Nurse credential is required of registered nurses working in the California school system.

**Prerequisites for Post-Baccalaureate Students**

1. Completion of Post-Baccalaureate application for School Nurse Services Credential Program.
2. Official transcript of Baccalaureate degree in nursing from an accredited university. Candidates must have a minimum overall GPA of 3.0 in their undergraduate program.
4. Copy of current unexpired cardiopulmonary resuscitation card (adult, child, and infant) and copy of unexpired first aid card.
5. Basic Physical Assessment course completed within 5 years.
6. One-page written statement describing motivation and purpose for obtaining the Post-Baccalaureate School Nurse Service Credential.
7. Three letters of recommendation.
8. Completion of the School of Nursing Graduate Program Application and university application.

**Requirements**

1. Completion of 24 units in approved upper division and graduate courses.
2. Complete the following with a grade of "B" or better:
   - NRSG 535 Advanced Pediatric Physical Assessment and Health Promotion (2)
     Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535L.
   - NRSG 535L Advanced Pediatric Physical Assessment Laboratory (1)
     Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535.
   - NRSG 536 Theories & Practice of School Nursing (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536L.
   - NRSG 536L School Nursing Clinical (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536.
   - NRSG 536 Theories & Practice of School Nursing (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536.
   - NRSG 536L School Nursing Clinical (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536.

3. Three letters/checklists of reference;
4. Completion of the School of Nursing Graduate Program Application and university application.

**Electives**

Take 6 units from the following courses:
- FCS 409, EDP 432, H SC 427, C D 432.

**Health Services (School Nurse) Credential (code 600)**

The Health Services (School Nurse) credential is required of registered nurses working in the California school system.

**Prerequisites for Post-Master's Students**

1. Copies of transcripts of Baccalaureate in Nursing and Masters in Nursing (with a Pediatric Nurse Practitioner or Family Nurse Practitioner specialty) degrees;
2. Copy of State of California RN licensure and entitlement as a Nurse Practitioner;
3. Three letters/checklists of reference;
4. Completion of the School of Nursing Graduate Program Application and university application.

**Requirements**

1. Completion of 12 units in approved upper division and graduate courses.
2. Complete the following with a grade of "B" or better:
   - NRSG 536 Theories and Practice of School Nursing (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536L.
   - NRSG 536L School Nursing Clinical (3)
     Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536.
   - H SC 430 School Health Program (3)
     Prerequisites: HSC 301.
   - C D 373 Audiology I (3)
     Prerequisites: CD 261.

**Courses (NRSG)**

**LOWER DIVISION**

199. Special Topics (3)
Overview of health care professions with a primary focus on the nursing profession, including, nursing history, educational preparation and the roles of nurses, ethics, patients' and nurses' Bill of Rights, medical terminology and math for health care professions.
Letter grade only (A-F).

200. Introduction to Nursing Health Care (6)
Prerequisites: Admission to the nursing program. Corequisites: NRSG 202, 302, 305, NUTR 339 or consent of instructor. Support Courses: SOC 100 or PSY 100.
Introduction to physical and social science principles which provide basis for beginning level nursing theory and practice within the framework of nursing process, self care, and evidence based practice. Guided utilization of theory and skill in a clinical laboratory.
Letter grade only (A-F). Course fee may be required. (Lecture-discussion 3 hours, laboratory 9 hours)
202. Health Care Communication (2)
Prerequisites: Admission to the nursing program, or consent of instructor. Corequisites: NRSG 200, 302, 305, NUTR 339. Support courses SOC 100 or PSY 100.
Conceptual foundations for the nurse-client relationship, therapeutic communication, responding to special client needs and professional issues within a clinically oriented cultural framework.
Letter grade only (A–F). (Lecture-discussion, 2 hours)

250. Intermediate Nursing Health Care (6)
Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 260, 312, or consent of instructor. Support courses: SOC 100 or PSY 100.
Application of recognized physical and social science principles and current research findings to intermediate level nursing theory. Guided laboratory experience to assist in gaining skills in application of selected nursing process activities in simulation and in direct patient care.
Letter grade only (A–F). Course fee may be required. (Lecture-discussion 3 hours, laboratory 9 hours)

260. Older Adult Health Care (4)
Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 250, 312, or consent of instructor. Support courses: SOC 100 or PSY 100.
Study of unique needs of aging population. Focus on health promotion and delivery of care. Application of nursing process and evidence based practice in caring for aging clients in a variety of settings.
Letter grade only (A–F). (Lecture-discussion, 2 hours, laboratory 6 hours)

UPPER DIVISION

302. Foundations of Clinical Pharmacology (2)
Prerequisites: BIOL 207, 208, CHEM 140, MICR 200 or consent of instructor. Corequisites: NRSG 200, 202, 305, and NUTR 339.
Systematic study of medications used for major body system disorders, their pharmacologic and therapeutic clasifications, modes of action, dosages, routes of administration, contraindications and toxic effects. Special emphasis is placed on clinical nursing implications and patient teaching.
Letter grade only (A–F).

305. Pathophysiology for Nurses (3)
Prerequisites: BIOL 207, 208, CHEM 140, MICR 200 or consent of instructor. Corequisites: NRSG 200, 202, 302, and NUTR 339.
The study of the pathogenesis of body systems throughout the lifespan. Emphasis is on pathophysiological processes, understanding disease trajectory and interventions to limit disease progression. The importance of the nurses’ role in reducing morbidity and mortality is emphasized. Not open for credit to students with credit in BIOL 304.
Letter grade only (A–F). (Lecture-Discussion 3 hours)

309. Dimensions of Professional Nursing (2)
Prerequisite: Admission to the ADN to BSN program. Support courses: CHEM 140, NRSG 305.
Focuses on analysis of transition from a technical to a professional baccalaureate prepared nurse. Content includes: program and University orientation, role changes, ethics, dimensions of nursing, and training in completion of a research based paper and presentation.
Letter grade only (A–F). (Lecture-Discussion)

312. Health Assessment (3)
Prerequisites: NRSG 200, 202, 302, 305, NUTR 339, or consent of instructor. Corequisites: NRSG 250, 260, or consent of instructor. Support courses: SOC 100 or PSY 100.
Provides opportunity to learn and apply techniques of history taking and physical examination which are used by nurses in identification of patient problems. Includes demonstration and practice of physical assessment methodology.
Letter grade only (A–F). (Lecture-discussion 2 hrs, activities/lab 3 hrs)

331. Critical Care Nursing (5)
Prerequisites: NRSG 250, 260, 312, or consent of instructor. Corequisites: NRSG 341 or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Advanced study of acute and critically ill multicultural patients. Utilizes complex knowledge and applications required to provide comprehensive evidence based nursing care to patients and families experiencing critical illness or injury in a variety of settings.
Letter grade only (A–F). (Lecture-discussion 2 hours, Lab 9 hours)

341. Psychiatric/Mental Health Nursing (6)
Prerequisites: PSY 100, SOC 100, NRSG 250, 260, 312, or consent of instructor. Corequisites: NRSG 331, 341, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Apply theories and implement evidence based care for clients with psychiatric/mental health issues, including psychosocial concepts; cultural, ethical, economic, and legal influences; and wellness of individuals and family groups. Development of professional role in psychiatric mental health nursing.
Letter grade only (A–F). (Lecture-discussion 3 hours, lab 9 hours)

353. Legal Aspects of Health Care (2)
Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 361, 372, or consent of instructor.
Presents legal duties and responsibilities of nurses in delivery of health care services. Professional licensure regulations, scope of nursing practice, and ethical issues related to nursing practice are emphasized.
Letter grade only (A–F).

361. Child Health Care (7)
Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 353, 372, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Foundational basis of care for pediatric patients from birth to adolescence based on developmental theory and evidence based practice. Assessment of physical, psychological, and cultural issues while planning, implementing, and evaluating age appropriate nursing care for well and ill children.
Letter grade only (A–F). (Lecture-discussion 4 hours, Laboratory 9 hours)

372. Health Care of the Childbearing Family (6)
Prerequisites: NRSG 331, 341, or consent of instructor. Corequisites: NRSG 353, 361, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Theory and application of health care needs for the child bearing family including health promotion and disease prevention. Gynecologic, obstetric, and women’s health are explored within the context of cultural, psychosocial influences, and evidence based practice.
Letter grade only (A–F). (Lecture-discussion 3 hours, Lab 9 hours)

400. Health Care Delivery Systems (3)
Prerequisites: NRSG 353, 361, 372, or consent of instructor; for RNs: NRSG 305, 309, or consent of instructor. Corequisites: NRSG 402 or consent of instructor.
Study of health care delivery systems with emphasis on role of nursing, less well defined problems and their causes, and in-depth study of impact of political, economic and social, ethical, and international issues of health care system.
Letter grade only (A–F).

402. Community Health Nursing (7)
Prerequisites: NRSG 353, 361, 372, or consent of instructor; for RNs NRSG 305, 312, or consent of instructor. Corequisites: NRSG 400, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Experience in working with diversified health problems of individuals, families, communities and systems with an emphasis on development of appropriate evidence based nursing interventions for underserved populations and communities. Multi-level disaster preparedness is addressed.
Letter grade only (A-F). (Lecture discussion 4 hours, 9 hours lab)

450. Nursing Research (3)
Prerequisites: NRSG 400, 402. Corequisites: NRSG 452 or 453 or 454.
Emphasizes application of research theory to evidence-based nursing practice, including ethics in nursing research and research process.
Letter grade only (A-F). (Lecture-Discussion)

451. Nursing Leadership and Management (2)
Prerequisites: NRSG 400, 402. Corequisites: NRSG 450, 452 or 453 or 454. Satisfactory level ATI testing including remediation as appropriate.
Principles of leadership and management as they apply to front line management positions in healthcare. Emphasis on understanding role and responsibilities of professional nurse as leader and manager of patient care services within a variety of settings.
Letter grade only (A-F). (Lecture-Discussion). Not open for credit to students with credit in NRSG 450L.

452. Advanced Nursing Critical Care (6)
Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Provides advanced theoretical concepts and clinical experiences in critical care/emergency department with application of management/leadership theories to select populations. Integration of evidence based practice and critical care nursing knowledge critical to new professional roles.
Letter grade only (A-F). (Lecture-discussion 2 hrs, supervision 4 hrs)

453. Advanced Maternal Child Health in Nursing (6)
Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Provides advanced theoretical concepts and clinical experiences in maternal child nursing with application of management/leadership theories to select populations. Integration of evidence based practice and maternal child nursing knowledge critical to new professional roles.
Letter grade only (A-F). (Lecture-discussion 2 hrs, supervision 4 hrs)

454. Advanced Medical, Surgical, Community, Mental Health Nursing (6)
Prerequisites: NRSG 400, 402, or consent of instructor. Corequisites: NRSG 450, 451, or consent of instructor. Satisfactory level ATI testing including remediation as appropriate.
Provides advanced theoretical concepts and clinical experiences in a variety of nursing specialties with application of management/leadership theories to select populations. Integration of evidence based practice and nursing knowledge critical to new professional roles.
Letter grade only (A-F). (Lecture-discussion 2 hrs, supervision 4 hrs)

458. NCLEX-RN Preparatory Course (1)
Prerequisites: NRSG 400, 402. Corequisites: NRSG 452 or 453 or 454.
Provides the student with competencies and strategies to enhance transition from student to baccalaureate prepared nurse. Students gain understanding of the role of the National Council of State Boards of Nursing (NCSBN) in developing and administering the RN licensing examination.
Credit/No Credit grading only. Credit reflects work at the level of "B" or better.

481. Parenting (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.
Effective parenting with emphasis on common parenting concerns and developmental tasks of parents and children.

482. Health Assessment of the Aging Client (3)
Prerequisites: GERN 400L or equivalent and upper standing or consent of instructor.
Assessment of physical, psycho-social status of aging client as they affect health and well being, and identification of actual or potential health related problems using a variety of tools and techniques.
Same course as GERN 482. Not open for credit to students with credit in GERN 482. (Lecture-Discussion, 3 hrs.)

490. Independent Study (1-3)
Prerequisite: Consent of any nursing faculty. Students who have made arrangements with a faculty advisor for appropriate learning objectives may enroll.
May be repeated to a maximum of 6 units.

499./599. Selected Topics in Nursing (1-3)
Prerequisite: Consent of instructor.
Topics consistent with contemporary nursing or curricular trends. May be repeated to a maximum of 3 units with different topics. Topics announced in the Schedule of Classes.

GRADUATE LEVEL

502. Genetics in Nursing Practice (3)
Prerequisites: Senior standing or graduate standing or consent of instructor.
Overview of genetics implications for nurses as they provide health services to clients of all ages, diverse ethnic, cultural, life-style and geographic areas. Will explore basic mechanisms of genetic inheritance and impact that genetics has on health promotion, disease prevention and policy implications.
Letter grade only (A-F).

510. Advanced Pathophysiology for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of upper division pathophysiology course, or consent of instructor.
Builds upon knowledge developed in undergraduate Pathophysiology course. Integration and communication between organs systems will be explored to gain greater knowledge of disturbances at cellular level which predictably result in organ and system dysfunction.
Letter grade only (A-F). Lecture-Activity)

511A. Advanced Pathophysiology for Clinical Nurse Specialists (2)
Prerequisite: Admission to the Acute Care Adult CNS graduate nursing program or consent of instructor.
Presents the principles underlying the disturbance of human functional and homeostatic mechanisms. Disturbances at the cellular level are explored to enable the student to build an understanding of resultant aberrant organ and system function.
Letter grade only (A-F).

520. Advanced Pharmacology for Advanced Practice Nursing (3)
Prerequisites: Admission to the graduate nursing program, or consent of instructor.
Deals with use of drugs in providing perinatal care, family planning services and/or routine health care.
Letter grade only (A-F).
521A. Advanced Pharmacology for Clinical Nurse Specialists (CNS) (3)
Prerequisite: Admission to the Acute Care Adult CNS graduate nursing program.

Designed to provide advanced knowledge about pharmacological agents utilized in the management of a variety of acute care clinical situations. Content will focus on the role of CNS.
Letter grade only (A-F).

530. Advanced Physical Assessment for Advanced Practice Nursing (2)
Prerequisites: Admission to the graduate nursing program and completion of basic physical assessment course, or consent of instructor.

Designed for advanced practice nurses and a prerequisite to each specialty track. Through classroom instruction, web based instruction and self-assessment, and on-site clinical review and practice, advanced assessment and diagnostic skills are developed.
Letter grade only (A-F).

530L. Advanced Physical Assessment Laboratory (1)
Prerequisites: Admission to graduate program or consent of instructor. Corequisites: NRSG 530.

Application of theoretical knowledge of advanced physical assessment in supervised clinical settings appropriate to the specialty of the advance practice nursing student Credit/No Credit grading only. (Technical activities/laboratory 3 hours)

535. Advanced Pediatric Physical Assessment and Health Promotion (2)
Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535L.

Theoretical content for the pediatric nurse practitioner and school nurse related to advanced pediatric health assessment and promotion. Developmental, cultural, spiritual, and psychosocial dimensions of the child and family are incorporated throughout the assessment process.
Letter grade only (A-F). (Seminar 1 hour, laboratory 2 hours)

535L. Advanced Pediatric Physical Assessment Laboratory (1)
Prerequisites: Admission to the pediatric nurse practitioner program or school nurse credential program or consent of the instructor. Corequisites: NRSG 535.

Application of theoretical knowledge of advanced pediatric physical assessment in supervised clinical settings appropriate to the specialty of the advanced practice nursing student.
Letter grade only (A-F). (Clinic off-campus, 3 hours)

536. Theories and Practice of School Nursing (3)
Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of Instructor. Corequisites: NRSG 536L.

Focuses on normal/pathological conditions and the organizational, philosophical, and legal aspects in the delivery in the delivery of school health programs as well as emphasizing the theoretical bases for the practice of school nursing in the school setting.
Letter grade only (A-F).

536L. School Nursing Clinical (3)
Prerequisites: Admission to the School Nurse Credential Program, NRSG 535, CD 353 or 431/531 and HSC 430, or consent of instructor. Corequisites: NRSG 536.

The clinical component of the school nurse program. The student will demonstrate the application of theory within the school setting. The focus of the course is on the implementation of the role of the school nurse.
Credit/No Credit grading only. (9 hours clinical/week)

540. Health Care Economics, Policy and Information Management for Advanced Practice Nursing (2)
Prerequisites: Admission to graduate nursing program or consent of instructor.

Description: Designed to provide an understanding of the economic and political environment of US healthcare system. Principles of organizational theory, health policy, advocacy, informatics and technology are applied within context of advanced practice role. Issues related to healthcare economics are explored.
Letter grade only (A-F). (Lecture-Discussion)

550. Human Diversity and Psychosocial Issues in Health Care for Advanced Practice Nursing (2)
Prerequisites: Admission to graduate nursing program or consent of instructor.

Focus on understanding and developing advanced practice nurses in providing culturally appropriate care to individuals, families, groups, and communities with diverse backgrounds. Patterns of human interaction that foster and neglect health and quality of life are analyzed. Contemporary issues are explored.
Letter grade only (A-F). (Lecture-Discussion)

551A. Spanish Language Competency for Advanced Nursing Practice (3)
Prerequisite: Consent of instructor.

Provides foundational knowledge and skills to enable advanced practice nurse (APN) to learn and apply principles of cultural competency and Spanish language skills to role of nurse practitioner in conducting a health history and physical assessment for diverse Spanish speaking populations.

551B. Spanish Language Competency for Advanced Nursing Practice (3)
Prerequisite: NRSG 551A or consent of instructor.

Principles of cultural competency and Spanish language skills for diagnosing and treating Spanish speaking patients: focuses on hematology, musculoskeletal II, cardiovascular, neurology, dermatology I & II, family violence/substance abuse, nutrition/weight management, developmental disorders, genetics, mental health, ophthalmology, and infectious diseases.

556A. Conditions of Learning and Instruction in Nursing (3)
Prerequisite: Consent of instructor.

Application of theories of learning and instruction to patient/student teaching-learning situations. Content covered includes conditions of learning, models of instruction, transfer of learning, behavior modification techniques, variables influencing learning and instruction, and evaluation of instruction.
Letter grade only (A-F).

556B. Curriculum Development in Nursing (3)
A systematic study of principles of curriculum development as they apply to different types of nursing programs. Focuses on relationship among philosophy, objectives, selection and organization of learning experiences and evaluative process.
Letter grade only (A-F).

556C. Microteaching in Nursing (3)
Prerequisites: Graduate standing; NRSG 556A and 556B.

Focuses on instructional skills and the application of instruction in the practice of nursing within a microteaching laboratory setting. Supervised teaching situations are used to practice educational strategies specific to nursing education settings.
Letter grade only (A-F).

556L. Theoretical Concepts in Nursing Education: Practice Teaching (4)
Prerequisites: NRSG 556A or consent of instructor.

Application of instructional skills and theories of learning in professional nursing settings. Working in actual supervised teaching situations, students practice skills that can be utilized in a variety of educational situations.
Letter grade only (A-F)
559. Nursing Administration (3)
Application of management theories to administration, organizational theory, structure and culture, leadership theories and decision-making processes in clinical settings. Legal-ethical parameters of nursing administration are threaded throughout course.
Letter grade only (A-F).

560. Foundations of Theoretical and Professional Roles for Advanced Practice Nurses (2)
Prerequisites: Admission to graduate nursing program or instructor consent.
Study of theoretical frameworks and professional roles influencing advanced practice nursing. Analyze and implement major theoretical frameworks for advanced practice. Begin dynamic process of role development by exploring role boundaries and collaborative practice.
Letter grade only (A-F). (Lecture-Discussion)

565. Theories of Community/Public Health Nursing (3)
Prerequisites: Admission to graduate nursing program and NRSG 560, or consent of instructor.
Analysis, synthesis and application of theories from nursing, public health, and other disciplines to community/public health nursing practice. Exploration of population-focused theory and provision of health promotion and prevention services to underserved populations and communities.
Letter grade only. (S, U) Letter grade only (A-F).

590. Independent Study (1-3)
Prerequisite: Consent of a nursing faculty member.
Independent research under supervision of a nursing faculty member.
Letter grade only (A-F).

596. Research Methods in Nursing (3)
Prerequisites: Admission to the graduate nursing program and upper division statistics, or consent of instructor.
Nursing research process, including use and testing of nursing theories, development of research proposals including conceptualization of problem, literature search, study design, data collection, analysis and interpretation of findings.
Letter grade only. (A-F). (Lecture-Discussion)

599.499. Selected Topics in Nursing (1-3)
Prerequisite: Consent of instructor.
Topics consistent with contemporary nursing or curricular trends.
Letter grade only (A-F). May be repeated to a maximum of 3 units with different topics. Topics announced in the Schedule of Classes.

600. Theories for Advanced Nursing Practice in Adult Care Clinical Nurse Specialist I: Patient/Family (3)
Prerequisites: NRSG 510, 520, 590 (1 unit), 530, 530L, 540, 550, 560, 596, 556A, 556B, 556C and 556L or consent of instructor.
Corequisites: NRSG 600L.
Emphasis is on the Clinical Nurse Specialist’s (CNS) sphere of influence impacting the health outcomes of diverse patients with multiple, complex health problems and their families by developing advanced competencies necessary for the management of multiple therapeutic interventions.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 673.

600L. Clinical Studies for the CNS in Adult Care I: Patient/Family (3)
Prerequisites: NRSG 510, 520, 590 (1 unit), 530, 530L, 540, 550, 560, 596, 556A, 556B, 556C and 556L or consent of instructor.
Corequisites: NRSG 600.
Focuses on implementation of CNS roles of teacher, expert clinician, manager of care, and research in a variety of acute and chronic care settings. Sphere of influence is primarily patient and family related.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 673L.

601. Theories for Advanced Nursing Practice in Adult Care Clinical Nurse Specialist II: Staff Development (3)
Prerequisites: NRSG 600, 600L or consent of instructor.
Corequisites: NRSG 601L.
Deals with the development of advanced skills and competencies in the management of staff development, educational programs, motivation, consultation, and personnel ethics as they apply to the CNS’s sphere of influence in staff development.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 674.

601L. Clinical Studies for the CNS in Adult Care II: Staff Development (3)
Prerequisites: NRSG 600, 600L, or consent of instructor.
Corequisites: NRSG 601.
Focuses on the clinical implementation of the CNS roles of educator, expert clinician, manager of care, and researcher in a variety of acute and chronic care settings as they apply to the CNS’s sphere of influence in staff development.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 674L.

602. Theories for Advanced Nursing Practice in Adult Care Clinical Nurse Specialist III: Organizational Systems (3)
Prerequisites: NRSG 601, 601L, or consent of instructor.
Corequisites: NRSG 602.
Focuses on development of advanced skills and competencies in CNS roles as managers of care, change agents, consultants and teachers in a variety of acute and chronic care settings as they apply to CNS’s sphere of influence in organizational systems.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 675.

602L. Clinical Studies for the CNS in Adult Care III: Organizational Systems (3)
Prerequisites: NRSG 601, 601L, or consent of instructor.
Corequisites: NRSG 602.
Focuses on clinical implementation of CNS roles as managers of care, change agents, consultants and teachers in a variety of acute and chronic care settings as they apply to CNS’s sphere of influence in organizational systems.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 675L.

610. Women’s Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 610A, 610B.
Epidemiology, etiology, differential diagnoses, management, and prevention of common health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 667.

610A. Women’s Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program in the women’s health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor.
Corequisites: NRSG 610, 610B.
One of two courses designed to apply theoretical knowledge and laboratory skills in the management of common health problems of women before, during, and after the childbearing cycle in ambulatory health care settings. Emphasizes the role of the nurse practitioner in gynecology.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 667A.
610B. Women's Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program in the women's health nurse practitioner specialty and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor.
Corequisites: NRSG 610, 610A.
One of two courses designed to apply theoretical knowledge and laboratory skills in the management of common health problems of women before, during, and after the childbearing cycle in ambulatory health care settings. Emphasizes the role of the nurse practitioner in obstetrics.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 668B.

611. Women's Health Theories for Advanced Practice Nursing II (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor.
Corequisites: NRSG 611A, 611B.
Epidemiology, etiology, differential diagnoses, management, and prevention of complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner in gynecology.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 668.

611A. Women's Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor.
Corequisites: NRSG 611, 611B.
One of two courses designed to apply theoretical knowledge and laboratory skills in the management of complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings. Emphasizes the role of the nurse practitioner in obstetrics.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 668A.

611B. Women's Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: Admission to the graduate nursing program and NRSG 610, 610A, 610B, or consent of instructor.
Corequisites: NRSG 611, 611A.
One of two courses designed to allow the student to apply the knowledge and skills of caring for complex health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner. This clinical course focuses on obstetrics.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 668B.

612. Women's Health Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 611, 611A, 611B. Corequisite: NRSG 612A.
Epidemiology, etiology, differential diagnoses, management, and prevention of multifaceted health problems of women before, during, and after the childbearing cycle in ambulatory health care settings with a focus on the role of the nurse practitioner.
Letter grade only A-F. (3 hours discussion)

612A. Women's Health Clinical Studies for Advanced Practice Nursing V (3)
Prerequisites: Admission to the graduate nursing program, NRSG 611, 611A, and 611B. Corequisite: NRSG 612.
Designed to allow students the opportunity to apply theoretical knowledge of multifaceted women's health problems in supervised clinical practice in ambulatory health care settings with a focus on the role of the women's health nurse practitioner.
Letter grade only (A-F).

620. Family Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 620A, 620B.
Presents epidemiology, pathophysiology, clinical presentation, diagnosis, and management of common diseases across life span. Role of family nurse practitioner in health promotion and disease prevention emphasized.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 682.

620A. Family Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596, or consent of instructor. Corequisites: NRSG 620, 620B.
Allows opportunity to apply theoretical knowledge in supervised clinical settings in family practice. An emphasis placed on socialization into family nurse practitioner role.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 682A.

620B. Family Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor.
Second of two clinical courses that allows expanded theoretical knowledge in supervised clinical settings in family practice.
Emphasis placed on socialization into family nurse practitioner role.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 682B.

621. Family Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621A, 621B.
Presents epidemiology, pathophysiology, clinical presentation, diagnosis, and management of common diseases across life span. Role of family nurse practitioner in health promotion and disease prevention emphasized.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 683.

621A. Family Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621, 621B.
Allows additional opportunity to apply theoretical knowledge in supervised clinical settings in family practice. Emphasis placed on socialization into family nurse practitioner role.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 683A.

621B. Family Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 620, 620A, 620B, or consent of instructor. Corequisites: NRSG 621A, 621A.
Second of two clinical courses designed to allow additional opportunity to apply theoretical concepts and expand clinical knowledge.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 683B.

630. Adult/Geriatric Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596, or consent of instructor. Corequisites: NRSG 630A, 630B.
Epidemiology, etiology, differential diagnoses, management and prevention of selected health problems of adult/geriatric patient in primary, secondary and tertiary settings and role of nurse practitioner in these settings in a changing healthcare environment. Letter grade only (A-F). Not open for credit to students with credit in NRSG 686.

630A. Adult/Geriatric Clinical Studies in Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596, or consent of instructor.
Corequisites: NRSG 630, 630B.
Designed to allow adult and geriatric nurse practitioner student to apply theoretical knowledge in supervised clinical practice with adult and geriatric patients. Emphasis placed on beginning socialization into nurse practitioner role.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 686A.

630B. Adult/Geriatric Clinical Studies in Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560, 596, or consent of instructor.
Corequisites: NRSG 630, 630A.
Designed to allow adult and geriatric nurse practitioner students to apply theoretical knowledge in supervised clinical practice with adult and geriatric patients. Emphasis placed on beginning socialization into nurse practitioner role.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 686B.

631. Adult/Geriatric Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor.
Corequisites: NRSG 631A, 631B.
Epidemiology, etiology, differential diagnoses, management and prevention of additional selected health problems of adult/geriatric patient in primary, secondary and tertiary settings, and a further delineation of role of nurse practitioner in these changing healthcare environment.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 687.

631A. Adult/Geriatric Clinical Studies in Advanced Practice Nursing III (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor.
Corequisites: NRSG 631, 631B.
Designed to allow adult and geriatric nurse practitioner students to apply theory into the clinical practice with the adult-geriatric patients. Emphasis is placed on continuing to socialize into the nurse practitioner role.
Letter grade only (A-F). (Laboratory 9 hours). Not open for credit to students with credit in NRSG 687A.

631B. Adult/Geriatric Clinical Studies in Advanced Practice Nursing IV (3)
Prerequisites: NRSG 630, 630A, 630B, or consent of instructor.
Corequisites: NRSG 631, 631A.
Second of two designed to allow adult/geriatric nurse practitioner student to apply theory into clinical practice with adult and geriatric patients. Emphasis placed on continuing to socialize into nurse practitioner role.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 687B.

640. Psychiatric-Mental Health Theories for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor.
Corequisites: NRSG 640A, 640B.
Study of pathology, diagnostic methods, indications for referral, and management for nurse practitioner students of medical, psychological, and social problems of clients of psychiatric facilities and community mental health agencies.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 688.

640A. Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640B.
First clinical practicum for nurse practitioner students that focuses on application of mental health concepts. Theories from prerequisite and concurrent courses are applied and tested.
Credit/No credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 688A.

640B. Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: Admission to graduate nursing program and NRSG 510, 520, 530, 530L, 540, 550, 560 and 596, or consent of instructor. Corequisites: NRSG 640, 640A.
Second clinical practicum for nurse practitioner students that focuses on application of mental health concepts. Theories from prerequisite and concurrent courses are applied and tested.
Credit/No credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 688B.

641. Psychiatric-Mental Health Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641A, 641B.
Advanced study of pathology, diagnostic methods, indications for referral, and management for nurse practitioner students of medical, psychological, and social problems of clients of psychiatric facilities and community mental health agencies.
Letter grade only (A-F). Not open for credit to students with credit in NRSG 689.

641A. Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641, 641B.
First supervised clinical practicum for nurse practitioner students focused on application of complex mental health concepts. Theories from prerequisite and concurrent nursing theory courses are applied and tested in clinical setting.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 689A.

641B. Psychiatric-Mental Health Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 640, 640A, 640B, or consent of instructor. Corequisites: NRSG 641,641A.
Second supervised clinical practicum for nurse practitioner students focused on application of complex mental health concepts. Theories from prerequisite and concurrent nursing theory courses are applied and tested in clinical setting.
Letter grade only (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 689B.

650. Pediatric Theories for Advanced Nursing I (3)
Prerequisites: NRSG 510, 520, 535, 535L, 540, 550, 560, and 596.
Corequisites: NRSG 650A and 650B.
Theoretical based content for providing care in the role of a pediatric nurse practitioner. Content focuses on preventive health care, well child care, disease management, professional issues, and related research.
Letter grade only (A-F). (Discussion 3 hours) Not open for credit to students with credit in NRSG 684.
650A. Pediatric Clinical Studies for Advanced Practice Nursing I (3)
Prerequisites: NRSG 510, 520, 535, 535L, 540, 550, 560, and 596 or consent of instructor. Corequisites: NRSG 650 and 650B.
First clinical course of pediatric nurse practitioner program. Emphasis on application of theory to preventative health care, management of well child and common pediatric problems.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 684A.

650B. Pediatric Clinical Studies for Advanced Practice Nursing II (3)
Prerequisites: NRSG 510, 520, 535, 535L, 540, 550, 560, and 596. Corequisites: NRSG 650 and 650A.
Second clinical course of pediatric nurse practitioner program. Emphasis on application of theory to preventative health care, management of well child and common pediatric problems.
Credit/No Credit grading only. (Laboratory 9 hours) Not open for credit to students with credit in NRSG 684B.

651. Pediatric Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 650, 650A, 650B. Corequisites: NRSG 651A and 651B.
Diagnosis, treatment and management of common pediatric conditions/disorders by the pediatric nurse practitioner. The specific topics covered are the management of common pediatric diseases including: infectious, ENT, ophthalmic, dental, respiratory, dermatologic, gastrointestinal, genitourinary, and musculoskeletal disorders.
Letter grade only (A-F). (Discussion 3 hours) Not open for credit to students with credit in NRSG 685.

651A. Pediatric Clinical Studies for Advanced Practice Nursing III (3)
Prerequisites: NRSG 650, 650A, and 650B. Corequisites: NRSG 651 and 651B.
First of two clinical courses that deal with application of theory related to assessment, diagnosis, and management by the pediatric nurse practitioner of common pediatric health care problems in clinical settings.
Letter grade only. (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 685A.

651B. Pediatric Clinical Studies for Advanced Practice Nursing IV (3)
Prerequisites: NRSG 650, 650A, and 650B. Corequisites: NRSG 651 and 651A.
Application of theory related to assessment, diagnosis, and management by the pediatric nurse practitioner of common pediatric health care problems in clinical settings.
Letter grade only. (A-F). (Laboratory 9 hours) Not open for credit to students with credit in NRSG 685B.

652. Pediatric Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652A.
Diagnosis, treatment, and management of complex and chronic pediatric diseases by the pediatric nurse practitioner. The specific topics covered are the management of endocrine, metabolic, cardiac, hematologic, atopic, rheumatoid, autoimmune, neurologic, genetic, and mental disorders in children.
Letter grade only (A-F). (3 hours discussion)

652A. Pediatric Clinical for Advanced Practice Nursing V (3)
Prerequisites: NRSG 651, 651A, 651B. Corequisites: NRSG 652.
Demonstrate, at an advanced level, the application of theory from previous and concurrent course work concerning assessment, diagnosis, and management of common and chronic pediatric health care problems.
Letter grade only (A-F). (9 hours laboratory)

660B. Theoretical Base for Advanced Nursing Practice I (3)
Prerequisites: Admission to graduate nursing program, Pathophysiology, and Physical Assessment, or consent of instructor.
Relationship of psycho-social theory to health care with an emphasis on application of theory to clinical practice. Various sections will focus on different areas of clinical interest.
Letter grade only (A-F).

670. Community Health Theories for Advanced Nursing Practice I (3)
Prerequisites: Admission to graduate nursing program and NRSG 565, or consent of instructor. Corequisites: NRSG 670L.
Examination of Community/Public Health Nursing roles in health program and policy planning for aggregates, populations and communities. Theories of community programs and health policy planning explored for underserved and ethnically diverse populations.
(Seminar 3 hours). Letter grade only (A-F).

670L. Advanced Community/Public Health Nursing Clinical I (3)
Prerequisites: Admission to graduate nursing program and NRSG 565 or consent of instructor. Corequisite: NRSG 670L.
Experiences in selected community health settings to prepare for advanced nursing practice focus on assessment, planning, and policy development for culturally diverse populations.
Credit/No Credit grading only. (Clinical 9 hours)

671. Community Health Theories for Advanced Practice Nursing II (3)
Prerequisites: NRSG 670 and 670L or consent of instructor. Corequisites: NRSG 671L.
Examination of the Community/Public Health Nursing (C/PHN) roles in health program and policy implementation for aggregates, populations, and communities. Theories of community health programs and health policy implementation will be explored for underserved and ethnically diverse populations.
(Seminar, 3 hours). Letter grade only (A-F).

671L. Advanced Community/Public Health Nursing Clinical II (3)
Prerequisite(s): NRSG 670 and 670L, or consent of instructor. Corequisites: NRSG 671L.
A laboratory course offering clinical experiences in selected community health settings to prepare the student for advanced nursing practice.
(Clinical 9 hours) Letter grade only (A-F).

672. Advanced Community Health Theories for Advanced Practice Nursing III (3)
Prerequisites: NRSG 671, 671L or consent of instructor. Corequisites: NRSG 672L.
Focus on leadership role of the C/PHN in the integration of nursing and public health theories in evaluation and internalization strategies for health programs and policies for underserved and ethnically diverse populations.
Letter grade only (A-F).

672L. Community/Public Health Clinical Studies for Advanced Nursing Practice III (3)
Prerequisite(s): NRSG 671, 671L or consent of instructor. Corequisites: NRSG 672L.
Clinical course offering leadership experiences in selected community health settings to prepare the student for advanced nursing practice in program and health policy evaluation.
Letter grade only (A-F).
676. Administrative Theories for Advanced Nursing Practice I (3)
Prerequisites: NRSG 559, HCA 510, 515 or consent of instructor.
Corequisites: NRSG 676L.
Focus on principles and theories of management that deal with the human element in nursing administration. The specific topics covered are the allocation of human resources and budgeting, stress management, motivation, morale and job satisfaction, conflict management and collective bargaining.
Letter grade only (A-F). (Discussion)

676L. Administrative Theories for Nursing Practice I (3)
Prerequisites: NRSG 559, HCA 510, HCA 515 or consent of instructor. Corequisites: NRSG 676.
Application of theories and principles of allocation of resources to administration of nursing services and participating in dealing with factors influencing human performance in nursing administration, such as stress management, motivation, job satisfaction, conflict resolution and collective bargaining.
Letter grade only (A-F). (Technical activities/laboratory 9 hours)

677. Administrative Theories for Advanced Nursing Practice II (3)
Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677L.
The administration of nursing services in different types of health care delivery systems with emphasis on managed care and issues such as long-term care delivery systems, health care policy and health care reform will be discussed in great depth.
Letter grade only (A-F). (Discussion)

677L. Advanced Administrative Nursing Clinical II (3)
Prerequisites: NRSG 676, 676L, HCA 502, 505 or consent of instructor. Corequisites: NRSG 677, HCA 537.
The application of principles related to managed care to administration of nursing services. The learner will be an active participant in dealing with issues related to long-term care, health care policy and health care reform.
Letter grade only (A-F). (Technical activities/laboratory 9 hours)

678. Administrative Theories for Nursing Practice III (3)
Prerequisites: NRSG 677, 677L, HCA 537, or the consent of the instructor. Corequisites: NRSG 678L.
Focus on selected principles and theories of learning and instruction as they relate to staff development, competency-based education and program evaluation. Principles related to marketing nursing services, risk management and career development are operationalized.
Letter grade only (A-F). (Discussion)

678L. Advanced Administrative Nursing Clinical III (3)
Prerequisites: NRSG 677, 677L, HCA 537 or consent of instructor. Corequisites: NRSG 678.
The application of management principles of staff development, competency-based education, program evaluation, marketing, risk management and career development to administration of nursing services in any health care setting.
Letter grade only (A-F). (Technical activities/laboratory 9 hours)

680A, B, C. Theories for Extended Nursing Practice (3,3,3)
Prerequisites: Admission to graduate nursing program, a physical assessment course and upper division pathophysiology course, or consent of instructor. Corequisites: NRSG 680L.
Normal and pathological conditions and management theory basic applicable for advanced nurse in clinical areas of concentration. May be repeated to a maximum of 6 units in each suffix. Letter grade only (A-F).

680L. Clinical Studies in Nursing (3)
Prerequisites: Admission to graduate nursing program, a physical assessment course and upper division pathophysiology course, or consent of instructor. Corequisites: NRSG 680A, B, or C.
A laboratory course offering clinical experience in selected settings to prepare for advanced nursing practice.
May be repeated to a maximum of 9 units with different topics.

692. Nursing Directed Project (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596 and consent of school graduate advisor.
Planning, preparation and completion of a directed project appropriate to advanced practice nursing.
May be repeated to a maximum of 4 units in different semesters.
Letter grade only (A-F).

695. Professional Literature (3)
Prerequisites: NRSG 510, 520, 530, 530L, 540, 550, 560, 596, 680 class series and NRSG 680L or 680 A/B class series, and advancement to candidacy, or consent of instructor and graduate advisor.
Critical analysis and synthesis by comparative review of professional literature in nursing practice, theory, and research.
Not open for credit to students taking NRSG 698. Letter grade only (A-F).

698. Thesis (1-4)
Prerequisites: Admission to graduate nursing program, advancement to candidacy, NRSG 596, consent of school graduate advisor.
Planning, preparation and completion of a thesis in clinical nursing.
Letter grade only (A-F).

701. Biostatistics for Advanced Nursing Practice (3)
Prerequisite/Corequisites: Admission to the DNP program.
Provides DNP students with the necessary skills and knowledge to interpret research that employ multivariate statistical techniques. Topics include choosing correct statistical methods; descriptive, univariate and multivariate statistics; probability; estimation and hypothesis testing; and use of a statistical software package.
Letter grade only (A-F).

702. Leadership, Management and Economics in Advanced Nursing Practice (3)
Prerequisite/Corequisites: Admission to the DNP program.
Emphasis on analyzing leadership theories and organizational models within healthcare delivery systems. Principles of change theory, financial management, strategic planning, program development and implementation are evaluated. Application focuses on fiscally sound leadership management in providing healthcare for individuals and populations.
Letter grade only (A-F).

703. Epidemiology and Clinical Prevention (3)
Prerequisite/Corequisites: Admission to the DNP program.
Emphasis on application of epidemiological principles and approaches related to health and illness in at-risk populations. Epidemiological models and inquiry are used to determine population needs and promote interventions to enhance health-related quality of life and prevent illness.
Letter grade only (A-F).

704. Informatics in Healthcare (3)
Prerequisite/Corequisites: Admission to the DNP program.
Use of information systems/technology resources to implement quality improvement initiatives and support practice and administrative decision-making. Topics include standards and principles for selecting and evaluating information systems and patient care technology, and related ethical, regulatory, and legal issues.
Letter grade only (A-F).
705. Advanced Evidence-Based Practice in Nursing (3)
Prerequisite/Corequisites: Admission to the DNP program.
Advanced research course focused on reading, interpreting, and evaluating studies using quantitative and qualitative methods in nursing and other health care disciplines; develop initial literature review for integrative scholarship proposal.
Letter grade only (A-F).

706. Healthcare Policy, Ethics, and Advocacy for Nurses (3)
Prerequisite/Corequisites: Admission to the DNP program
Critical appraisal of how national and international health policies, advocacy efforts, ethics, and economics impact health care delivery and its outcomes and influence advanced practice nursing. Development of health care policy, delivery models, reimbursement mechanisms, and economic perspectives are investigated.
Letter grade only (A-F).

707. DNP Clinical Practicum: Professional Role Development (3)
Prerequisite/Corequisites: Admission to the DNP program.
Supervised clinical opportunities in selected clinical settings to enhance professional role development in advanced nursing practice. Synthesis of prior graduate learning experience; focus on evidence-based best practices to enhance safety, quality and efficiency in the student’s nursing specialty area.
Letter grade only (A-F). May be repeated to a maximum of 12 units in different semesters. (Seminar 1 hour, Clinical 6 hours)

797A. Integrative Clinical Scholarship I: Evidence-Based Practice (3)
Prerequisite/Corequisites: Advanced Evidence-Based Practice in Nursing
Advanced research/laboratory course focused on analysis of history/role of DNP, role transition, interprofessional collaboration and leadership, clinical microsystems thinking, project development and management within healthcare systems. Includes principles of grant writing and development of DNP project proposal.
Letter grade only (A-F). (Seminar 1 hour, Clinical 6 hours)

797B. Integrative Clinical Scholarship II: Evidence-Based Practice (3)
Prerequisite/Corequisites: NRSG 797A.
Implementation of DNP project, within a clinical setting, using integration of theory and evidence-based change from nursing science and other disciplines. Emphasizes incorporation of principles of practice inquiry, evidence-based practice, and/or practice inquiry. Integration of core DNP concepts and competencies.
Letter grade only (A-F).

797C. Integrative Clinical Scholarship III: Evidence-Based Practice (3)
Prerequisite: NRSG 797B.
Evaluation and completion of DNP project. Emphasizes incorporation of principles of practice inquiry, evidence-based practice, and/or practice inquiry. Integration of core DNP concepts and competencies.
Letter grade only (A-F). (Seminar 1 hour, Clinical 6 hours)
Degree and certificate information and requirements are listed under each option alphabetically in this Catalog.

Requirements for the major include a minimum of 128 units for Nutrition and Dietetics. In addition to general education requirements (48 units), a minimum of 40 units in Family and Consumer Sciences is required, 24 of which must be upper division. Students transferring from another college or university will receive transfer credit in required courses if the course is equivalent to the course at this University and it is accepted by the University.

Nutrition and Dietetics

Individuals choosing this option will concentrate their studies in the areas of nutritional science, medical nutrition therapy, community nutrition, food production and management of foodservice operations, chemistry, physiology, plus a variety of supporting course work in related disciplines. The Nutrition and Dietetics option with appropriate elective selection fulfills the Academy of Nutrition and Dietetics (AND) academic requirements for eligibility to apply for qualifying experiences required to become a Registered Dietitian.

Becoming a Registered Dietitian

Registered Dietitians (RDs) are considered food and nutrition experts. They have met the following criteria to earn the RD credential:

- Completion of a minimum of a bachelor’s degree at a U.S. regionally accredited university or college and course work accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), the credentialing agency of the Academic of Nutrition and Dietetics (AND).
- Completion of a supervised practice program accredited by ACEND and the AND.
- Passed a national examination administered by the Commission on Dietetic Registration (CDR).

In order to maintain registration, the RD must provide evidence of fulfilling continuing professional educational requirements to maintain registration. Some RDs hold additional certifications in the specialized areas of practice, such as pediatric or renal nutrition, nutrition support, and diabetes education. These certifications are awarded through CDR and/or other medical and nutrition organizations and are recognized within the profession, but are not required.

In addition to RD credentialing, many states have regulatory laws for dietitians and nutrition practitioners. Frequently these state requirements are met through the same education and training required to become an RD.

Option in Nutrition and Dietetics (128 units)

Take all of the following courses:

CHEM 111A General Chemistry (5)
Prerequisites: A passing score on the Chemistry Placement Examination. Credit in CHEM 101 does not substitute for a passing score on the Chemistry Placement Examination and a “C” or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended. (Recommended for students who intend to pursue careers in science or engineering.)
CHEM 449 Nutritional Biochemistry Laboratory (3)
Prerequisites: CHEM 448 with a grade of "C" or better.

COMM 110 Interpersonal Communication (3)
Corequisites: Concurrent enrollment in COMM 110 Workshop.

ED P 373I Nonverbal Communication: Interaction of Mind and Body (3)
Prerequisites: GE Foundation, one or more Exploration course(s), and upper-division standing.

ENGL 100 Composition (3)
Prerequisites: A recorded total score of 151 or above on the English Placement test, credit in ENGL 1 (or its equivalent), or consent of the instructor.

MICR 200 General Microbiology (4)
Prerequisites: CHEM 111A or 140 with a grade of "C" or better and GE Foundation requirements.

PSY 100 General Psychology (3)
Prerequisites/Corequisites: GE A1 requirement.

SOC 100 Principles of Sociology (3)
Prerequisites/Corequisites: A GE Foundation course.

CAFF 321I Family and Consumer Resource Management (3)
Prerequisites: GE Foundation requirements, one or more Exploration courses, and upper division standing.

CDFS 312I Family and Personal Development (3)
Prerequisites: GE Foundation requirements; PSY 100 or SOC 100 or ANTH 120; upper division standing; or consent of instructor.

FCSE 299 Introduction to Family and Consumer Sciences (1)
Prerequisites: None.

FCSE 486 Instructional Strategies for Family & Consumer (3)
Prerequisites: Senior standing.

FCSE 499 Professionalism and Leadership in Family and Consumer Sciences Professionals (2)
Prerequisites: FCSE 299, CAFF 321I, 12 units of upper division course working Family and Consumer Sciences. Must be taken in one of the last two semester prior to graduation.

FSCI 332 Food Science (3)
Prerequisites: CHEM 327; HFHM 235; MICR 200 or equivalent.

HFHM 173 Applied Foodservice Sanitation (1)
Prerequisites: None.

HFHM 235 Principles of Food Preparation (3)
Prerequisites: None.

HFHM 275 Food Production Systems I (3)
Prerequisites: NUTR 132 and HFHM 235.

NUTR 132 Introductory Nutrition (3)
Prerequisites/Corequisites: One Foundation course.

NUTR 234 Orientation to Dietetics & Food Administration (2)
Prerequisites: None.

NUTR 331A Fundamentals of Human Nutrition (3)
Prerequisites: NUTR 132, BIOL 207, CHEM 302 or 327 or equivalent.

NUTR 331B Fundamentals of Human Nutrition (3)
Prerequisites: NUTR 331A.

NUTR 336 Cultural Aspects of Food and Nutrition (3)
Prerequisites: PSY 100 or SOC 100 or ANTH 120 or equivalent; NUTR 132.

NUTR 436 Advanced Nutrition (3)
Prerequisites: NUTR 331B, CHEM 448, 449 (may be taken concurrently).

NUTR 436L Nutritional Status Assessment Techniques (3)
Prerequisites/Corequisites: NUTR 436 and CHEM 449.

NUTR 438 Medical Nutrition Therapy (3)
Prerequisites: NUTR 436, 436L (may be taken concurrently)

NUTR 461 Community Nutrition (3)
Prerequisites: Upper-division standing, NUTR 331B.

Take one of the following courses:

ANTH 412I Culture and Communication (3)
Prerequisites: GE Foundation requirement, one or more Explorations courses, and upper-division standing.

HCA 422I Global Issues in Health Services (3)
Prerequisites: GE Foundation, one or more Exploration courses and upper division standing.

H SC 4201 International Health (3)
Prerequisites: GE Foundation, one or more Exploration courses, and upper-division standing.

Take one of the following choices:

BIOL 207 Human Physiology (4)
Prerequisites: GE Foundation requirements.

or both

BIOL 342 Human/Mammalian Physiology (3)
Prerequisites: BIOL 211, 212, 213 all with a grade of "C" or better. Recommended: PHYS 100A, B.

BIOL 342L Lab in Human/Mammalian Physiology (1)
Prerequisites/Corequisites: BIOL 342 with a grade of "C" or better.

Take one of the following courses:

BIOL 260 Biostatistics (3)
Prerequisites: BIOL 211 or BIOL 207 or MICR 200; MATH 111 or 113 or 119A or 122 all with a grade of "C" or better.

ED P 419 Educational Statistics (3)
Prerequisites: Satisfactory completion of an undergraduate mathematics course suitable for general education math credit and, if required by the major, a lower-division statistics course.

H SC 403 Community Health Statistics (3)
Prerequisites: GE math and SOC 250 or PSY 210 or equivalent.

IS 310 Business Statistics (3)
Prerequisites: MATH 114.

Take one of the following courses:

ENGL 101 Composition (3)
Prerequisites: ENGL 100.

ENGL 317 Technical Communication (3)
Prerequisites: GE Foundation requirements, upper-division standing, and a previous composition course, i.e., ENGL 100, 101, 102, 300, or equivalents.

Take one of the following courses:

HRM 361 The Human Resource Function (3)
Prerequisites: None.

PSY 381 Intro to Industrial Organizational Psy (3)
Prerequisites: PSY 100, GE Foundation requirement and upper division standing.

Take one of the following courses:

IS 233 Introduction to Computer Systems and Applications (3)
Prerequisites: None.

IS 300 Management Information Systems (3)
Prerequisites: IS 233 or equivalent.

Take one of the following courses:

FCSE 497 Directed Studies (3)
Prerequisites: Upper division standing, consent of instructor.
NUTR 492K Internship in Nutrition and Dietetics (3)
Prerequisites: Student must be a Family and Consumer Sciences: Nutrition and Dietetics major; have senior standing; have a 2.5 overall GPA or a 3.0 major GPA; approval of a faculty advisor in Nutrition and Dietetics; and HFHM 275, NUTR 331B and FSCI 332. Each prerequisite course must be completed with a grade of "C" or better. A course in which a grade lower than "C" is received must be retaken and successfully completed prior to enrolling in any course for which it is a prerequisite. A student receiving a grade lower than "C" may proceed with other courses with approval of the Area Coordinator.

Take one of the following choices:
- CHEM 327 Fundamentals of Organic Chemistry (3)
  Prerequisites: CHEM 111A with a grade of "C" or better; CHEM 111B is recommended.
  or both
- CHEM 320A Organic Chemistry (3)
  Prerequisites: CHEM 111B with a grade of "C" or better. CHEM 251 is recommended.
- CHEM 320B Organic Chemistry (5)
  Prerequisites: CHEM 320A with a grade of "C" or better.

Select one of the following choices:
- CHEM 448 Fundamentals of Biological Chemistry (3)
  Prerequisites: CHEM 327 or 322B either with a grade of "C" or better.
  or both
- CHEM 441A Biological Chemistry (3)
  Prerequisites: Either CHEM 320B or both CHEM 322B and 323B with a grade of "C" or better; a biology or microbiology course is recommended.
- CHEM 441B Biological Chemistry (3)
  Prerequisites: CHEM 441A with a grade of "C" or better.

Take a minimum of 6 units of electives in consultation with a Nutrition and Dietetics faculty advisor.
Recommended electives include:
- HFHM 375, 477; FCSE 497; NUTR 439, 492K.

If a stronger foundation in chemistry is desired, CHEM 320A and 320B may be selected instead of CHEM 327. If a stronger foundation in Biochemistry is desired, CHEM 441A and CHEM 441B may be selected instead of CHEM 448.

Students who wish to take the Nutrition and Dietetics Option as a Pre-professional degree (e.g., medical, etc.) should check with the appropriate programs to verify specific requirements.

The Academy of Nutrition and Dietetics (AND) Didactic Program in Dietetics accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND)

The ACEND, the accrediting agency for the AND Didactic (Academic) Program in Dietetics (DPD), is designed to provide students with a foundation of knowledge and skills in dietetics that will enable them to perform successfully in a dietetic internship. The DPD is currently granted accreditation by the Accreditation Council for Education in Nutrition and Dietetics of the AND, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, phone: 312-899-0040, ext. 5400. This Council is a specialized accrediting body recognized by the Council on Postsecondary Accreditation and the United States Department of Education. It is the responsibility of the student to consult with the AND DPD Director to verify current ACEND requirements to become a Registered Dietitian.

Students who choose to meet DPD requirements must select the following as electives:
- HFHM 375 Food Production Systems II (3)
  Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 173 and 275.
- HFHM 477 Foodservice Administration (3)
  Prerequisites: For Hospitality Foodservice and Hotel Management majors: HFHM 276; Nutrition and Dietetics majors: HFHM 375.

Student must receive a grade of "C" or better in DPD courses to receive verification of completion of the DPD program. Approval of a student’s academic program by the CSULB DPD Director requires that the student complete HFHM 477, NUTR 436L, and NUTR 438 at CSULB. Students can view details of the DPD program at www.csulb.edu/dpd.

Courses (NUTR)

LOWER DIVISION

132. Introductory Nutrition (3)
Prerequisite/Corequisite: One Foundation course.
Essential nutrients, their physiological functions and human needs during the life cycle; food sources as applied to selection of an adequate diet; problems encountered providing food to meet nutritional needs; food additives and consumer protection.
Not open for credit to students with credit in FCS 232. (Lecture-discussion 3 hours)

324. Orientation to Dietetics and Food Administration (2)
Role of the professional in dietetics and food administration; orientation to career opportunities in Food, Nutrition and Foodservice Systems Management; personnel and physical facilities, including equipment in health care and mass feeding programs.
(Lecture-discussion 1 hour, activity 2 hours)

UPPER DIVISION

331A. Fundamentals of Human Nutrition (3)
Prerequisites: NUTR 132, BIOL 207, CHEM 302 or 327 or equivalent.
Nutritional needs with emphasis on the physiological and chemical foundation for these needs; factors influencing nutrient needs.
(Lecture-Discussion 3 hours)

331B. Fundamentals of Human Nutrition (3)
Prerequisite: NUTR 331A.
Nutritional needs with emphasis on changes through the life cycle. Introduction to dietary modifications in various pathological conditions. Introduction to nutrition assessment and nutrition education techniques.
(Lecture-discussion 3 hours)

333. Latino Nutrition, Health and Chronic Disease Prevention (3)
Prerequisites: GE Foundation requirement, one or more Exploration courses and upper division standing.
Explores nutrition-related and contextual factors associated with the high rates of chronic disease among diverse Latino-specific subpopulations and provide culturally-relevant strategies for prevention.
336. Cultural Aspects of Food and Nutrition (3)
Prerequisites: PSY 100 or SOC 100 or ANTH 120 or equivalent; NUTR 132.
Cross-cultural study of food and nutrition. Factors such as religion, food supply and socioeconomic status are considered as they influence nutritional status and food intake in various populations throughout the world.
(Lecture 3 hours)

339. Metabolic Functions of Nutrients (1)
Prerequisites: CHEM 140, BIOL 207, and consent of instructor.
Metabolic role of nutrients in the human body; practical application of nutrition to patient care.
Open to Nursing Majors only. (Activity 2 hours) Letter grade only (A-F).

436. Advanced Nutrition (3)
Prerequisites: NUTR 331B, CHEM 448, 449 (may be taken concurrently).
Metabolism of proteins, fats, carbohydrates, minerals and vitamins; interrelationship of nutrients; principles of determining nutritional requirements of individuals.
(Lecture-discussion 3 hours)

436L. Nutritional Status Assessment Techniques (3)
Prerequisites/Corequisites: NUTR 436 and CHEM 449.
Designed to provide training in nutrition assessment and nutrition counseling. Use of procedures for interviewing, counseling, and instructing patients/clients in various settings comparable to those encountered in dietetic practice. Includes laboratory methods for collection and interpretation of demographic, dietary, anthropometrics, biochemical, and clinical data.
Letter grade only (A-F). (Discussion 1 hour, Laboratory 3 hours, Clinical Practice 3 hours)

438. Medical Nutrition Therapy (3)
Prerequisites: NUTR 436, 436L (may be taken concurrently).
Therapeutic nutrition. Metabolic changes in specific pathological conditions; dietary modifications used for treatment.
(Lecture-discussion 3 hours)

439. Nutrition and Aging (3)
Prerequisites: NUTR 132 or BIOL 207 or BIOL 301 or GERN 400I or consent of instructor.
Nutritional needs as related to physiological changes that occur during aging. Factors that influence food intake and nutritional status of the elderly. Diet adaptation for chronic diseases commonly found in older adults.
Letter grade only (A-F). Same course as GERN 439. Not open for credit to students with credit in GERN 439. (Lecture-discussion 3 hours)

461. Community Nutrition (3)
Prerequisites: Upper-division standing, NUTR 331B.
Survey of nutrition programs in the community. Techniques of program planning, implementation, management and evaluation.
Letter grade only (A-F). (Lecture-activity 3 hours)

468. Nutrition for Exercise and Performance (3)
Prerequisites: NUTR 132, KIN 301 for the KIN Fitness option and the KIN Exercise Science option or BIOL 207 for the Nutrition and Dietetics option.
Explores the role nutrients play in exercise and performance enhancement. Topics include evaluation of energy needs during physical activity, examination of weight management practices, assessment of nutritional status, and investigation of contemporary dietary issues related to exercise.
Master of Physical Therapy

This program consists of 60-units preceded by a year of upper division prerequisites offered at the University. Applicants must have a bachelor’s degree and have completed specific lower division prerequisites. Following didactic course work, students complete a 24-week internship required for state licensure.

The MPT degree at California State University, Long Beach is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (APTA).

Requirements

Complete all prerequisites with a minimum of “C” and earn a minimum grade-point average of 3.0 in upper-division prerequisites with a minimum of “B” in HHS 401 and BIOL 341.

Prerequisites

Natural Sciences:

Take all of the following:

- CHEM 111A General Chemistry (5)
  Prerequisites: A passing score on the Chemistry Placement Examination. Credit in CHEM 101 does not substitute for a passing score on the Chemistry Placement Examination and a "C" or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended. (Recommended for students who intend to pursue careers in science or engineering.)

- CHEM 111B General Chemistry (5)
  Prerequisites: CHEM 111A with a grade of "C" or better.

- PHYS 100A General Physics (4)
  Prerequisites: MATH 109 or 113 or 117 or 119A or 120 or 122.

- PHYS 100B General Physics (4)
  Prerequisites: PHYS 100A.

Biological Sciences:

Take all the following courses:

- BIOL 208 Human Anatomy (4)
  Prerequisites: GE Foundation requirements.

- BIOL 211 Introduction to Evolution and Diversity (4)
  Prerequisites: Open only to students who have successfully completed the equivalent of the lecture component of BIOL 211 at another accredited institution and have consent of the Department of Biological Sciences.

- BIOL 212 Intro to Cell and Molecular Biology (4)
  Prerequisites: Completion of BIOL 211 and CHEM 111A with grade of "C" or better.

- BIOL 341 Physiology for Therapists I (4)
  Prerequisites: BIOL 211, 212, 213 all with grade of "C" or better. Recommended: PHYS 100A, B.

- BIOL 441 Physiology for Therapists II (3)
  Prerequisites: BIOL 341 with a grade of "C" or better.

- HHS 401 Applied Anatomy I (3)
  Prerequisites: BIOL 208, or equivalent.

- HHS 402 Applied Anatomy II (3)
  Prerequisites: BIOL 208, or equivalent; "B" or better in HHS 401.

- HHS 403 Tissue Mechanics and Aging (3)
  Prerequisites: "B" or better in HHS 401 and BIOL 341 and consent of instructor.

- HHS 460 Neuroanatomy (4)
  Prerequisite: BIOL 341.

- HHS 471 Pathology (3)
  Prerequisites: BIOL 208, Corequisites: BIOL 341.

Take either the following course:

- BIOL 207 Human Physiology (4)
  Prerequisites: GE Foundation Requirements.

  or

- BIOL 213 Intro to Ecology and Physiology (4)
  Prerequisites: BIOL 211, 212, CHEM 111B with a grade of "C" or better.

Biostatistics:

Take the following:

- BIOL 260 Biostatistics (3) (preferred)
  Prerequisites: BIOL 211 or BIOL 207 or MICR 200; MATH 111 or 113 or 119A or 122 all with a grade of "C" or better.

Behavioral Sciences:

Take both of the following:

- PSY 100 General Psychology (3)
  Prerequisites/Corequisites: GE A1 requirement.

- HHS 374 Professional Practice I: Interactions (3)
  Prerequisites: Consent of instructor.

Core

Take all of the following courses:

- PT 501 Musculoskeletal & Biomechanical Principles (4)
  Prerequisites: HHS 401, 402, 403.

- PT 502 Pathological Gait (1)
  Prerequisites: PT 501.

- PT 503 Management of Individuals with Musculoskeletal Disorders I (3)
  Prerequisites: PT 501.

- PT 504 Management of Individuals with Musculoskeletal Disorders II (4)
  Prerequisites: PT 501, 503.

- PT 505 Management of Human Growth and Dev (2)
  Prerequisites: HHS 401, 460.

- PT 506 Exercise Physiology for Physical Therapy (2)
  Prerequisites: BIOL 341, 441; HHS 401, 460, 471.

- PT 507 Examination of Individuals with Neuromuscular Disorders (2)
  Prerequisites: HHS 460.

- PT 508 Management of the Pediatric Population (2)
  Prerequisites: PT 505, 507.

- PT 509 Management of the Cardiopulmonary System (3)
  Prerequisites: BIOL 341, 441; PT 505, 506.
PT 510 Patient Management & Functional Training (2)  
Prerequisites: HHS 401, 402 and admittance to MPT program.

PT 511 Management of the Geriatric Population (3)  
Prerequisites: PT 503, 504, 505, 507.

PT 512 Clinical Electrophysiology I (3)  
Prerequisites: BIOL 341; HHS 402, 460.

PT 513 Clinical Electrophysiology II (2)  
Prerequisites: PT 512.

PT 515 Management of Individuals with Neuromuscular Disorders (2)  
Prerequisites: PT 507; Corequisites: PT 523.

PT 522 Clinical Practice I (1)  
Prerequisites: PT 503, 507, 509, 510.

PT 523 Clinical Practice II (1)  
Prerequisites: PT 522; Corequisites: PT 515.

PT 524 Clinical Practice III (1)  
Prerequisites: PT 507, 515, 523; Corequisites: PT 608.

PT 574 Professional Practice Issues (2)  
Prerequisites: HHS 374.

PT 604 Health Care Issues I (2)  
Prerequisites: Admittance to MPT program.

PT 605 Health Care Issues II (2)  
Prerequisites: Admittance to MPT program.

PT 607 Seminar in Cardiopulmonary Clinical Decision Making (1)  
Prerequisites: PT 509.

PT 608 Neurologic Clinical Decision Making (1)  
Prerequisites: PT 507.

PT 620 Management of Patients with Orthotic and Prosthetic Needs (2)  
Prerequisites: PT 502, 503.

PT 622 Clinical Pathophysiology (3)  
Prerequisites: PT 504, 505, 507, 509, 510, 513.

PT 674 Clinical Problem Solving (1)  
Prerequisites: PT 574.

PT 696 Research Methods (2)  
Prerequisites: Admittance to MPT Program.

Take a total of 4 units of one of the following in semesters 2, 3, and 4:

PT 697 Directed Research Studies (1-4)  
Prerequisites: PT 574, 696, advancement to candidacy and consent of instructor.

PT 698 Research Thesis/Project (1-4)  
Prerequisites: PT 574, 696, advancement to candidacy and consent of instructor.

Take at least one of the following electives:

PT 590, 611, 619

Admission

The physical therapy masters program is open to all college graduates who have met prerequisite requirements and demonstrate academic promise and ability to perform at a satisfactory level during their graduate studies. Application deadline is January 14 for fall admission.

To be considered for acceptance into the graduate program, the applicant must:

1. Complete all prerequisite courses with a minimum of “C” and a minimum grade point average of 3.0 in all upper-division prerequisites with a minimum of “B” in HHS 401 and BIOL 341;

2. Hold, or be eligible to hold, an acceptable baccalaureate degree from an institution accredited by a regional accrediting association or have completed equivalent academic preparation as determined by an appropriate campus authority;

3. Have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted;

4. Submit results of the General Aptitude Section of the Graduate Record Examination (quantitative, verbal, and analytical), taken within the past 5 years;

5. Provide academic and personal references as required;

6. Provide documentation of personal experience in a variety of physical therapy settings; and

7. Be recommended by the physical therapy faculty.

All candidates whose preparatory education was principally in a language other than English must demonstrate competency in English. Refer to the CSULB Bulletin for requirements for completing the Test of English as a Foreign Language (TOEFL).

The master's degree program is a 60-unit, four semester plus one summer session, full-time course of study followed by an internship of 12 units. The course of study is most appropriate for graduates with degrees in related fields but does not exclude the person holding a baccalaureate degree in physical therapy. Course work is designed for entry-level professional study.

Advancement to Candidacy

1. Classified graduate student status.

2. Fulfillment of the Graduation Writing Assessment Requirement (GWAR).

3. A minimum 3.0 grade-point average in all program graduate work as well as a minimum overall 3.0 in all graduate work attempted.

4. Be recommended by a faculty sponsor.

5. Enrollment in regular session.

6. Satisfactory completion of at least one semester of the program.

Admittance to Clinical Practice

1. Complete all requirements for the master's at the time of application to clinical practice.

2. Successfully complete one of the following:
   A. Research Thesis or Project (PT 698)
   B. Directed Studies (PT 697) with faculty advisor guidance.

3. If choice B (above) is selected, student must also successfully complete a comprehensive examination.

Internship Requirements

Take 12 units of the following which must be completed to be eligible to take the state examination for licensure:

PT 525 Clinical Internship I (3)  
Prerequisites: Completion of all requirements for the MPT degree.

PT 526 Clinical Internship II (3)  
Prerequisites: Completion of all requirements for the MPT degree.

PT 527 Clinical Internship III (3)  
Prerequisites: Completion of all requirements for the MPT degree.
Doctor of Physical Therapy

The program is designed to prepare the student for entry-level doctoral practice as a physical therapist. Graduates are employed in a variety of settings, including hospitals, rehabilitation centers and private physical therapy clinics. The Doctor of Physical Therapy program is open to all college graduates who have met prerequisite requirements and demonstrate sufficient preparation, potential for professional education and ability to perform the essential functions needed to practice as a physical therapist as determined by physical therapy faculty review of admission documents. Admission shall be granted on a competitive basis; meeting the admission requirements qualifies an individual for, but does not guarantee admission to the program.

Admission Requirements

1. Complete the university application to be admitted with graduate standing by the deadline of December 30 and complete the PTCAS application by the application deadline November 1 for summer admission the following year.
2. Submit to the university and PTCAS results of the General Aptitude Section of the Graduate Record Examination (quantitative, verbal, and analytical), taken within the past 5 years, and have earned at least a 4.0 on the Analytical Writing Component Score of the examination.
3. Provide PTCAS with three letters of recommendation attesting to the potential for success as a physical therapist and/or the scholarly potential of the applicant;
   • At least one letter must be from a physical therapist with whom the applicant had a professional association, and
   • One from a professor for a prerequisite course which the applicant completed.
   • If the applicant previously has been employed, the third letter should be from an employer.
   • If the applicant previously has not been employed, the third letter should be from a physical therapist with whom the applicant had a professional association.
4. Provide documentation of knowledge of physical therapy through a minimum of 100 documented hours of paid or volunteer experience under the direct supervision of a licensed physical therapist; and
5. Provide a written statement of purpose reflecting the applicant's commitment to physical therapy.
6. Meet prerequisite requirements.

Prerequisites

1. Hold, or be eligible to hold, an acceptable baccalaureate degree from an institution accredited by a regional accrediting association or have completed equivalent academic preparation as determined by an appropriate campus authority, by the end of the spring semester prior to admission to the program.
2. Have attained a grade point average of at least 3.0 (A=4.0) with at least 2.5 in the last 60 semester (90 quarter) units attempted.
3. Have been in good academic, professional, and clinical standing at the last institution and if applicable in the last entry-level physical therapist educational program attended,
4. Successfully have completed the following courses with a minimum of "C" and a minimum grade point average of 3.0 by the end of the fall semester prior to the year of admission to the program. No course may be repeated more than once and no more than 3 prerequisite courses may be repeated. CR/NC grades, correspondence courses, or independent study courses cannot be used for prerequisite requirements. Only 2 classes may be in progress during the fall semester of application.

Natural Sciences:

Take all of the following courses:

CHEM 111A General Chemistry (5)  
Prerequisites: A passing score on the Chemistry Placement Examination. (Credit in CHEM 101 does not substitute for a passing score on the Chemistry Placement Examination) and a "C" or better in MATH 113 or 117 or 119A or 122. One year of high school chemistry is strongly recommended. (Recommended for students who intend to pursue careers in science or engineering).

CHEM 111B General Chemistry (5)  
Prerequisite: CHEM 111A with a grade of "C" or better.

PHYS 100A General Physics (4)  
Prerequisite: MATH 109 or 113 or 117 or 119A or 120 or 122. PHYS 100A is a prerequisite for PHYS 100B.

PHYS 100B General Physics (4)  
Prerequisite: MATH 109 or 113 or 117 or 119A or 120 or 122. PHYS 100A is a prerequisite for PHYS 100B.

Biological Sciences:

Take all of the following courses:

BIOL 208 Human anatomy (4)  
Prerequisites: GE Foundation requirements.

BIOL 211 Introduction to Evolution and Diversity (4)  
Prerequisite/Corequisite: CHEM 111A with a grade of "C" or better.

BIOL 212 Introduction to Cell & Molecular Biology (4)  
Prerequisites: Completion of BIOL 211 and CHEM 111A with grades of "C" or better.

Take either the following courses:

BIOL 207 Human Physiology (4)  
Prerequisites: GE Foundation requirements.

or

BIOL 213 Introduction to Ecology and Physiology (4)  
Prerequisites: BIOL 211, 212, CHEM 111B, each with a grade of "C" or better.

Biostatistics:

Take the following:

BIOL 260 Biostatistics (3) (preferred)  
Prerequisites: BIOL 211 or BIOL 207 or MICR 200; MATH 111 or 113 or 119A or 122 all with a grade of "C" or better.

Behavioral Sciences:

Take the following:

PSY 100 General Psychology (3)  
Prerequisite/Corequisite: GE A1 requirement.

Admission shall be granted on a competitive basis; meeting the admission requirements qualifies an individual for, but does not guarantee admission to the program.
Retention
1. Maintain a 3.0 or better grade point average in all graduate work completed.
2. Make continuous satisfactory progress toward the degree objective.

Advancement to Candidacy
1. Satisfy the general University requirements for advancement to candidacy.
2. Obtain classified status.
3. Have earned a minimum 3.0 grade-point average in all program graduate work as well as a minimum overall 3.0 in all graduate work attempted.
4. Fulfill the Graduation Writing Assessment Requirement (GWAR) by earning a 4.0 on the Analytical Writing Component Score of the GRE.
5. Complete a minimum of one semester (fall session) of graduate level coursework in the program.
6. Be enrolled during the term in which advancement to candidacy takes place.
7. Obtain approval for one's individual program plan from a faculty Doctoral Project sponsor, the Graduate Advisor and the Associate Dean of the College of Health and Human Services.

Qualifying Assessment
2. Advance to candidacy.
4. Demonstrate adherence to the essential physical, emotional and professional practice expectations of a physical therapist in the classroom and clinic (entry level on CPI skills 1 and 2 for D.P. T 781, acceptable practice in D.P.T. 731, 733 and 741).

Degree Requirements
The Doctor of Physical Therapy degree program is a 113-unit, three year, full-time cohort program including summer sessions that includes an internship of 12 units.

Core Coursework
Take all of the following courses:
- DPT 701 Anatomy for Physical Therapy I (3) Prerequisites: BIOL 208 and admission to DPT program.
- DPT 702 Anatomy for Physical Therapy II (3) Prerequisite: DPT 701.
- DPT 703 Neuroanatomy (3) Prerequisite: DPT 701. Corequisite: DPT 702.
- DPT 704 Tissue Mechanics (2) Corequisite: DPT 701.
- DPT 705 Biomechanical Principles (3) Prerequisites: DPT 701, 702, 704.
- DPT 706 Physiology for Therapists (6) Prerequisite: Admission to the DPT program.
- DPT 707 Physical Therapy across the Life Span (2) Prerequisites: DPT 701, 702 and 703.
- DPT 708 Motor learning and Motor Control (2) Prerequisite: Admission to DPT program.
- DPT 709 Exercise Science for Physical Therapy (3) Prerequisites: DPT 701, 704, 706.
- DPT 710 Pathology for Physical Therapy (3) Prerequisite: Admission to DPT program.
- DPT 720 Professional Interactions (3) Prerequisite: Admission to DPT program.
- DPT 721 Professional Practice Issues (2) Prerequisite: DPT 720.
- DPT 722 Critical Thinking for Physical Therapy (1) Prerequisites: DPT 720, 721.
- DPT 731 Physical Therapy Principles of Acute Care (2) Prerequisites: DPT 701, 702, 703.
- DPT 732 Examination of Individuals with Musculoskeletal Disorders (3) Prerequisite: DPT 705.
- DPT 733 Interventions for Individuals with Musculoskeletal Disorders (4) Prerequisites: DPT 705, 732.
- DPT 734 Advanced Management of Individuals with Musculoskeletal Disorders (2) Prerequisites: DPT 705, 732, 733.
- DPT 735 Normal and Pathological Gait (2) Prerequisite: DPT 705.
- DPT 736 Management of Individuals with Orthotic and Prosthetic Needs (2) Prerequisites: DPT 732, 735.
- DPT 740 Evaluation of Individuals with Neuromuscular Disorders (2) Prerequisite: HHS 460.
- DPT 741 Intervention for the Individual with Neuromuscular Disorders I (2) Prerequisites: DPT 740; Corequisite: DPT 782.
- DPT 742 Intervention for the Individual with Neuromuscular Disorders II (1) Prerequisites: DPT 740, DPT 741. Corequisite: DPT 783.
- DPT 743 Electroneuromyographic Management I (2) Prerequisites: DPT 702, 703.
- DPT 744 Electroneuromyographic Management II (2) Prerequisite: DPT 743.
- DPT 745 Management of the Pediatric Population (2) Prerequisites: DPT 707, 740.
- DPT 746 Advanced Management of Individuals with Neuromuscular Disorders (1) Prerequisites: DPT 740, 741, 742.
- DPT 750 Imaging for Physical Therapists (2) Prerequisites: PT 710, 732.
- DPT 751 Pharmacology for Physical Therapists (2) Prerequisites: DPT 705, 732.
- DPT 752 Differential Diagnosis for Physical Therapists (2) Prerequisite: Admission to DPT program.
- DPT 753 Management of Individuals with Cardiopulmonary Disorders (3) Prerequisites: DPT 706, 709.
- DPT 754 Management of Individuals with Integumentary Disorders (2) Prerequisite: DPT 710.
- DPT 760 Management of Individuals with Cardiopulmonary Disorders (2) Prerequisites: DPT 733, 734, 745, 760.
- DPT 766 Prevention and Wellness (2) Prerequisites: DPT 733, 745, 760.
- DPT 767 Management of the Geriatric Population (3) Prerequisites: DPT 733, 734, 745, 760.
- DPT 768 Clinical Pathophysiology (3) Prerequisites: DPT 707, 710, 731, 750, 751, 752.
- DPT 769 Advanced Management of Individuals with Cardiopulmonary Disorders (1) Prerequisite: DPT 760.
501. Musculoskeletal and Biomechanical Principles (4)
Prerequisites: HHS 401, 402, 403.
Advanced study of joint mechanics and pathomechanics with application to therapeutic procedures, posture and movement of the limbs, palpation and trunk. Includes normal gait.
Letter grade only (A-F). (Lecture/discussion 3 hours, laboratory 3 hours)

502. Pathological Gait (1)
Prerequisite: PT 501
Kinetics and kinematics of pathological gait with application to persons with gait disability. Emphasis is on gait analysis and problem solving causes of deviations.
Letter grade only (A-F). (Laboratory 3 hours)

503. Management of Individuals with Musculoskeletal Disorders I (3)
Prerequisite: PT 501.
Physical therapist evaluative process for patient/clients with musculoskeletal disorders including examination, evaluation, diagnosis, prognosis, including anticipated goals, expected outcomes, criteria for discharge and reexamination.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

504. Management of Individuals with Musculoskeletal Disorders II (4)
Prerequisites: PT 501, 503.
The interventions for individuals with disorders of the musculoskeletal system including exercise prescription, strengthening regimens, effects of disuse, life sequence, wellness and prevention, theories of pain and pain management and selected preferred practice patterns provided by physical therapists.
Letter grade only (A-F). (Lecture/discussion 3 hours, laboratory 3 hours)

505. Management of Human Growth and Development (2)
Prerequisites: HHS 401, 460.
Investigation and analysis of human development across the lifespan with emphasis on body systems contributing to the development of movement. Also addresses health risks, preventive strategies and wellness, including gender issues.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

506. Exercise Physiology for Physical Therapy (2)
Prerequisites: BIOL 341, 441; HHS 401, 460, 471.
Study of systems critical for patient management that are challenged and altered by exercise in health and pathology. Includes exercise measurement, test design, equipment, and pharmacology of exercise.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

507. Examination of Individuals with Neuromuscular Disorders (2)
Prerequisite: HHS 460.
Physical therapist evaluative process for patient/clients with neuromuscular disorders. Includes examination (task and movement analysis, tests and measures for body structure and function, activity, and participation), evaluation, diagnosis, prognosis, anticipated goals, expected outcomes, re-examination, and criteria for discharge.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

508. Management of the Pediatric Population (2)
Prerequisites: PT 505, 507.
Physical therapy management of the pediatric patient/client with neuromusculoskeletal disorders. Includes examination, evaluation, diagnosis, prognosis and intervention (with anticipated goals) including reexamination, outcomes and criteria for discharge. Includes pathophysiology, clinical decision making, and prevention/risk factor reduction.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

509. Management of the Cardiopulmonary System (3)
Prerequisites: BIOL 341, 441; PT 505, 506.
Physical therapy management of patient/clients with cardiopulmonary disorders including: examination, evaluation, diagnosis, prognosis and intervention (with anticipated goals) including reexamination, outcomes and criteria for discharge. Includes prevention/risk factor reduction.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours) Course fee may be required.

510. Patient Management and Functional Training (2)
Prerequisites: HHS 401, 402 and admittance to MPT program.
Patient/client management with emphasis on assistive and adaptive devices and physical agents, self care and home management (including activities of daily living and instrumental activities of daily living) and wound management. May include lectures from medical and physical therapy practitioners.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)
Physical Therapy Courses (P T)

511. Management of the Geriatric Population (3)
Prerequisites: PT 503, 504, 505, 507.
Physical therapy management of the geriatric patient/client including examination, evaluation, diagnosis, prognosis and intervention (with anticipated goals), including reexamination, outcomes and criteria for discharge. Includes prevention/risk factor reduction.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours) Course fee may be required.

512. Clinical Electrophysiology I (3)
Prerequisites: BIOL 341; HHS 402, 460.
The investigation of the physiological and neurological basis for the selection of electromyographic assessment tools and for the selection of electrotherapeutic intervention in the management of the patient/client with pain, deformity, muscle weakness and disorders of the peripheral nervous system.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours) Course fee may be required.

513. Clinical Electrophysiology II (2)
Prerequisites: PT 512.
The investigation of the physiological and neurological basis for the selection of electromyographic assessment tools and electrotherapeutic intervention in the management of the patient/client with disorders of the central nervous system and mixed peripheral and central nervous systems.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours) Course fee may be required.

515. Management of Individuals with Neuromuscular Disorders (2)
Prerequisite: PT 507; Corequisite: PT 523.
Evidence-based physical therapist interventions for patients/clients with disorders of the neuromuscular system including movement facilitation, education, and prevention/risk factor reduction.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

522. Clinical Practice I (1)
Prerequisite(s): PT 503, 507, 509, 510
Six weeks of supervised full-time clinical practice in the acute care or outpatient orthopedic setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Credit/No Credit grading only. May be repeated to a maximum of 2 units in different semesters. (Clinical Practice 6 weeks)

523. Clinical Practice II (1)
Prerequisite: PT 522; Corequisite: PT 515
Supervised pro bono clinical practice for management of the client with disorders of the neuromuscular system. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Credit/No Credit grading only. (Clinic 1 hour)

524. Clinical Practice III (1)
Prerequisites: PT 507, 515, 523; Corequisite: PT 608
Supervised advanced pro-bono clinical practice for management of the client with disorders of the neuromuscular system. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education. Focus on problem solving and decision making.
Credit/No Credit grading only. (Clinic 1 hour)

525. Clinical Internship I (3)
Prerequisites: Completion of all requirements for the MPT degree.
Six weeks of supervised full-time inpatient or outpatient clinical practice in a hospital system. Satisfactory completion of the internship is required for licensure to practice in the state of California.
Credit/No Credit grading only. (Clinical internship 6 weeks) May be repeated to a maximum of 6 units in the same semester. The combination of PT 525, 526, and 527 must equal a minimum of 12 units.

526. Clinical Internship II (3)
Prerequisites: Completion of all requirements for the MPT degree.
Six weeks of supervised full-time inpatient or outpatient rehabilitation with pediatric, geriatric, or adult neurology patients. Satisfactory completion of the internship is required for licensure to practice in the state of California.
Credit/No Credit grading only. (Clinical internship 6 weeks) May be repeated to a maximum of 6 units in the same semester. The combination of PT 525, 526, and 527 must equal a minimum of 12 units.

527. Clinical Internship III (3)
Prerequisites: Completion of all requirements for the MPT degree.
Six weeks of supervised full-time patient management in an outpatient orthopedic setting. Satisfactory completion of the internship is required for licensure to practice in the state of California.
Credit/No Credit grading only. (Clinical internship 6 weeks) May be repeated to a maximum of 6 units in the same semester. The combination of PT 525, 526, and 527 must equal a minimum of 12 units.

574. Professional Practice Issues (2)
Prerequisites: HHS 374
Professional practice issues including evidence-based practice, the critical analysis of evidence, and cultural competence. Also the role of the physical therapist in facilitation of health care behavior change and educating patients and community.
Letter grade only (A-F). (Lecture/Discussion 2 hours)

590. Selected Topics in Physical Therapy (1-3)
Prerequisite: Consent of instructor.
Topics of current interest in physical therapy selected for special presentation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in the same or different semesters. Topics announced in the Schedule of Classes.

597. Independent Studies (1-3)
Prerequisites: Consent of instructor, and for human dissection, one general introductory anatomy course, HHS 401 and 402.
Independent studies in any area of physical therapy. Human dissection is available as a special study.
Letter grade only (A-F). May be repeated to a maximum of 6 units in different semesters. (Independent studies)

604. Health Care Issues I (2)
Prerequisite: Admittance to MPT program.
Investigation of the health care delivery system including the regulatory, political, ethical, legal and promotional aspects of health care.
Letter grade only (A-F). (Lecture/discussion 2 hours)

605. Health Care Issues II (2)
Prerequisite: Admittance to MPT program.
Investigation and discussion of the process of planned direction, organization, management, and economics of physical therapy and physical therapy delivery. Includes theories of disease prevention and health promotion.
Letter grade only (A-F). (Lecture/discussion 2 hours)
607. Seminar in Cardiopulmonary Clinical Decision Making (1)
Prerequisites: PT 509.
Continuing management of patient/client with disorders of cardiopulmonary system. Integrates disorders of cardiopulmonary system with other disorders that may impact cardiopulmonary health. Includes examination, evaluation, intervention, advocacy, and caregiver education.
Letter grade only (A-F). (Seminar 1 hour)

608. Neurologic Clinical Decision Making (1)
Prerequisite: PT 507.
Continuing management of the client with disorders of the neuromuscular system. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Letter grade only (A-F). (Seminar 1 hour, laboratory 3 hours)

609. Clinical Decision Making (1)
Prerequisites: PT 503, 504; MPT major or physical therapist.
Exploration of advanced clinical orthopedic management strategies.
Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

610. Advanced Orthopaedic Clinical Decision Making (1)
Prerequisites: PT 503, 504; MPT major or physical therapist.
Exploration of contemporary and emerging trends in physical therapy practice.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (Lecture 1 hr, laboratory 3 hrs)

611. Advances in Orthopaedic Physical Therapy (2)
Prerequisites: PT 503, 504; MPT major or physical therapist.
Exploration of advanced clinical orthopedic management strategies.
Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

619. Contemporary Issues in Physical Therapy (2)
Prerequisite: PT 604 and consent of instructor.
Exploration of contemporary and emerging trends in physical therapy practice.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. (Lecture 1 hr, laboratory 3 hrs)

620. Management of Patients with Orthotic and Prosthetic Needs (2)
Prerequisites: PT 502, 503.
The prescription, application, and fabrication of devices and equipment (orthotic, prosthetic, supportive splinting, and taping).
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours) Course fee may be required.

622. Clinical Pathophysiology (3)
Prerequisites: PT 504, 505, 507, 509, 510, 513.
Pathophysiology of connective tissue in musculoskeletal, neuromuscular, cardiopulmonary and integumentary disorders as a basis for physical therapy evaluation, diagnosis, goal setting and conservative as well as pre and post-operative intervention in patients with multiple systemic disorders.
Letter grade only (A-F). (Lecture/discussion 3 hours)

674. Clinical Problem Solving (1)
Prerequisite: PT 574.
Critical thinking models and activities to promote problem solving and decision making in the physical therapy setting.
Letter grade only (A-F). (Lecture/discussion)

696. Research Methods (2)
Prerequisite: Admittance to MPT program.
Scientific inquiry with emphasis on information searching, research design (qualitative and quantitative), and applied statistics. Also includes critical inquiry and clinical decision-making guidelines, research ethics, and the development of a proposal on the validation of physical therapy practice.
Letter grade only (A-F). (Lecture/discussion 2 hours)

697. Directed Research Studies (1-4)
Prerequisites: PT 574, 696, advancement to candidacy and consent of instructor.
Research in an area of specialization in physical therapy under the direction of a faculty sponsor.
Letter grade only (A-F). Must be completed for a total of 4 units. Course fee may be required.

698. Research Thesis/Project (1-4)
Prerequisites: PT 574, 696, advancement to candidacy and consent of instructor.
Planning, preparation, and completion of thesis or project in physical therapy.
Letter grade only (A-F). Must be completed for a total of 4 units.

Doctor of Physical Therapy Courses (DPT)

701. Anatomy for Physical Therapy I (3)
Prerequisites: BIOL 208 and admission to DPT program.
Advanced study of the structure and function of the neuromusculoskeletal systems with emphasis on surface contour, myology, joint structure, and neurovascular supply. Regional emphasis includes upper extremity, head, neck and thorax.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

702. Anatomy for Physical Therapy II (3)
Prerequisite: DPT 701.
Continuation of DPT 701, with an emphasis on the normal anatomy of the lower extremities, pelvis, and abdominal region.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

703. Neuroanatomy (3)
Prerequisite: DPT 701. Corequisite: DPT 702.
Human neuroanatomy with emphasis on the structure and function of the central nervous system, and connecting peripheral pathways for human function and movement. Neuroanatomical and vascular lesions discussed with emphasis on differential diagnosis and neuropathology.
Letter grade only (A-F), Lecture/discussion 2 hours, laboratory 3 hours)

704. Tissue Mechanics (2)
Corequisite: DPT 701.
Advanced study of tissue (bone, muscle, dense fibrous connective tissue, cartilage, nerve) mechanics and pathomechanics including use, disuse and aging with application to joint mechanics.
Letter grade only (A-F). (Lecture/discussion 2 hours)

705. Biomechanical Principles (3)
Prerequisites: DPT 701, 702, 704.
Advanced study of joint mechanics and pathomechanics with application to therapeutic procedures, posture and movement of the limbs, temporomandibular joint, neck and trunk.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

706. Physiology for Therapists (6)
Prerequisite: Admission to the DPT program.
Advanced study of the mechanisms of function of the organ systems of the human body and the contribution of these systems to organismal homeostasis. Systems studied include the nervous, endocrine, musculoskeletal, sensory, cardiovascular, respiratory and renal.
Letter grade only (A-F). (Lecture/discussion 6 hours)

707. Physical Therapy Across the Life Span (2)
Prerequisites: DPT 701, 702 and 703.
Investigation and analysis of human development across the lifespan with emphasis on body systems contributing to the development of movement. Also addresses health risks, preventive strategies and wellness, including gender issues.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)
708. Motor Learning and Motor Control (2)
Theories and models of motor control and mechanisms underlying plasticity related to functional movement across the lifespan. Theories and models of normal and impaired motor learning (implicit and explicit), including application of concepts to feedback and practice in physical therapy.
Letter grade only (A-F). (Lecture/discussion 2 hours)

709. Exercise Science for Physical Therapy (3)
Prerequisites: DPT 701, 704, 706.
Study of systems challenged and altered by exercise in health and pathology. Includes exercise measurement, exercise prescription and intervention and strength and conditioning preparation.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

710. Pathology for Physical Therapy (3)
Advanced study of abnormal function as a result of disease. Includes general pathology and selected systems pathology, encompassing cardiovascular, pulmonary, musculoskeletal, peripheral and central nervous systems, and integumentary systems.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

720. Professional Interactions (3)
Self-awareness of how personality, learning preferences, and personal values affect professional interactions. Includes effective communication, conflict resolution, and eliciting patient values and goals. Also, communicating with patients who have experienced disability, sexual dysfunction, or issues with coping or dying.
Letter grade only (A-F). (Lecture/discussion 3 hours)

721. Professional Practice Issues (2)
Prerequisite: DPT 720.
Focus on professionalism and professional values including evidence-based practice, the critical analysis of evidence, and cultural competence. Also the role of the physical therapist in facilitation of health care behavior change and educating patients and the community.
Letter grade only (A-F). (Lecture/discussion 2 hours)

722. Critical Thinking for Physical Therapy (1)
Prerequisites: DPT 720, 721.
Critical thinking models and activities to promote problem solving and decision making in the physical therapy setting.
Letter grade only (A-F). (Lecture/discussion 2 hours)

731. Physical Therapy Principles of Acute Care (2)
Prerequisites: DPT 701, 702, 703.
Patient management in the acute care setting with emphasis on interpretation of laboratory values and physiological monitoring as the basis for functional training and use of assistive devices. Includes physical agents and introduction to wheelchair seating and positioning.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

732. Examination of Individuals with Musculoskeletal Disorders (3)
Prerequisite: DPT 705.
Physical therapist examination and evaluation for individuals with musculoskeletal disorders. Includes examination (history, screening, tests and measures), evaluation, diagnosis, prognosis, anticipated goals, expected outcomes, re-examination, and criteria for discharge.
Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

733. Interventions for Individuals with Musculoskeletal Disorders (4)
Prerequisites: DPT 705, 732.
Plan of care for the individual with musculoskeletal system disorders that is safe, effective and patient centered. Includes monitoring and adjusting plan of care, patient education, documentation, and use of supportive personnel.
Letter grade only (A-F). (Lecture/discussion 3 hours, laboratory 3 hours)

734. Advanced Management of Individuals with Musculoskeletal Disorders (2)
Prerequisites: DPT 705, 732, 733.
Physical therapist management of individuals with musculoskeletal disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, re-examination, and criteria for discharge. Includes safe, patient-centered plan of care, patient education, documentation, and use of supportive personnel.
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

735. Normal and Pathological Gait (2)
Prerequisite: DPT 705.
Kinematics and kinetics of normal and pathological gait with emphasis on critical analysis of gait deviations and their causes in preparation for intervention.
Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

736. Management of Individuals with Orthotic and Prosthetic needs (2)
Prerequisites: DPT 732, 735.
The prescription, application, and fabrication of devices and equipment (orthotic, prosthetic, supportive splinting, and taping).
Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

740. Evaluation of Individuals with Neuromuscular Disorders (2)
Prerequisite: HHS 460.
Physical therapist examination and evaluation for individuals with neuromuscular disorders. Includes examination (task and movement analysis, tests and measures for body structure and function, activity, and participation) evaluation, diagnosis, prognosis, anticipated goals, expected outcomes, re-examination, and criteria for discharge.
Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

741. Intervention for the Individual with Neuromuscular Disorders I (2)
Prerequisites: DPT 740; Corequisite: DPT 782.
Intervention for the individual with disorders of the central neuromuscular system. Planning and implementation of plan of care that is safe, effective and patient centered; monitoring and adjusting plan of care; patient education; documentation; use of supportive personnel.
Letter grade only (A-F). (Lecture 1 hour, laboratory 3 hours)

742. Intervention for the Individual with Neuromuscular Disorders II (1)
Prerequisites: DPT 740, DPT 741. Corequisite: DPT 782.
Intervention for the individual with disorders of the spinal cord and peripheral nerves. Planning and implementation of plan of care that is safe, effective and patient centered; monitoring and adjusting plan of care; patient education; documentation; use of supportive personnel.
Letter grade only (A-F). (Laboratory 3 hours)

743. Electroneuromyographic Management I (2)
Prerequisites: DPT 702, 703.
Physiologic and neurological basis for the selection of
electroneuromyographic [ENMG] assessment and intervention in the management of neuromusculoskeletal and peripheral nerve disorders.

Letter grade only (A-F). (Lecture/laboratory 1 hour, laboratory 3 hours)

**744. Electroneuromyographic Management II (2)**
Prerequisite: DPT 743.

Physiologic and neurological basis for the selection of electroneuromyographic [ENMG] assessment and intervention in the management of central nervous system and mixed central and peripheral nervous system disorders.

Letter grade only (A-F). (Lecture/laboratory 1 hour, laboratory 3 hours)

**745. Management of the Pediatric Population (2)**
Prerequisites: DPT 707, 740.

Physical therapist management of the pediatric individual with neuromusculoskeletal disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, re-examination, and criteria for discharge. Includes safe, patient-centered plan of care, patient education, documentation, and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

**746. Advanced Management of Individuals with Neuromuscular Disorders (1)**
Prerequisites: DPT 740, 741, 742.

Physical therapist advanced management of individuals with complex neurologic disorders. Integrates and advances knowledge and skills related to evaluation and intervention. Includes community re-integration, home assessment, and management of the complex patient.

Letter grade only (A-F). (Lecture/Discussion 1 hour)

**750. Imaging for Physical Therapists (2)**
Prerequisites: PT 710, 732.

Knowledge and skills of radiology and imaging necessary for a comprehensive evaluation to design a rehabilitation program. Includes roentgenograms, dynamic and static MRI, CT, scintillography, PET, ultrasound, bone densitometry, and radioisotopes.

Letter grade only (A-F). (Lecture/discussion 2 hours)

**751. Pharmacology for Physical Therapists (2)**
Prerequisite: Admission to DPT program.

Study of the method of action, indications, contraindications and side effects of drugs commonly used by patients seen in physical therapy. Includes knowledge and skills necessary to perform a comprehensive evaluation necessary to design a rehabilitation program.

Letter grade only (A-F). (Lecture/Discussion 2 hours)

**752. Differential Diagnosis for Physical Therapists (2)**
Prerequisites: DPT 743, 750, 751.

Anatomical and physiological basis for patient screening to determine if referral to a medical doctor is required in the event that a medical condition supersedes or mimics a condition requiring physical therapy intervention.

Letter grade only (A-F). (Lecture/discussion 2 hours)

**760. Management of Individuals with Cardiopulmonary Disorders (3)**
Prerequisites: DPT 706, 709.

Physical therapist management of individuals with cardiovascular and pulmonary disorders. Includes examination, evaluation, diagnosis, prognosis, expected outcomes, and criteria for re-examination and discharge. Includes safe, patient-centered plan of care, patient education, documentation and use of supportive personnel.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

**765. Management of Individuals with Integumentary Disorders (2)**
Prerequisite: DPT 710.

Physical Therapy management of individuals with integumentary (skin) disorders including examination, evaluation, diagnosis, prognosis, intervention, re-examination and criteria for discharge.

Letter grade only (A-F). (Lecture/discussion 1 hour, laboratory 3 hours)

**766. Prevention and Wellness (2)**
Prerequisites: DPT 733, 745, 760.

Examination of the role of physical therapy in health promotion, wellness, and prevention of disease and disability across the lifespan.

Letter grade only (A-F). (Lecture/discussion 2 hours)

**767. Management of the Geriatric Population (3)**
Prerequisites: DPT 733, 734, 745, 760.

Physical therapy management of the geriatric patient/client including examination, evaluation, diagnosis, prognosis and intervention with anticipated goals, expected outcomes, criteria for discharge and reexamination.

Letter grade only (A-F). (Lecture/discussion 2 hours, laboratory 3 hours)

**768. Clinical Pathophysiology (3)**
Prerequisites: DPT 707, 710, 731,750, 751, 752.

Pathophysiology of connective tissue in musculoskeletal, neuromuscular, cardiopulmonary and integumentary disorders as a basis for physical therapy evaluation, diagnosis, goal setting and conservative as well as pre and post-operative intervention in patients with multiple systemic disorders.

Letter grade only (A-F). (Lecture/discussion 3 hours)

**769. Advanced Management of Individuals with Cardiopulmonary Disorders (1)**
Prerequisite: DPT 760.

Advanced management of individuals with cardiovascular and pulmonary disorders. Includes integration of cardiovascular and pulmonary disorders with other disorders commonly treated by physical therapists.

Letter grade only (A-F). (Lecture/discussion 3 hours)

**770. Health Care Delivery I (2)**
Prerequisites: DPT 721, 722.

Investigation of the health care delivery system including the legal, regulatory, political, ethical and professional duties of Physical Therapists. Includes laws and regulations governing compliant human management and environmental safety.

Letter grade only (A-F). (Lecture/discussion 2 hours)

**771. Health Care Delivery II (2)**
Prerequisite: DPT 770.

Investigation of the process of planned direction, organizational theory and management, and economics and fiscal management of physical therapy delivery including marketing and promotion.

Letter grade only (A-F). (Lecture/discussion 2 hours)

**781. Clinical Practice I (3)**
Prerequisites: DPT 731, 732, 735, 740.

Six weeks of supervised full-time clinical practice in the acute care or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.

Credit/No Credit grading only. May be repeated to a maximum of 6 units in different semesters. (Clinical Practice 6 weeks)
Doctor of Physical Therapy Courses (DPT)

782. Neuromusculoskeletal Practice I (1)
Prerequisite: DPT 740. Corequisite: DPT 741.
Supervised pro bono clinical practice for management of the client with disorders of the neuromusculoskeletal systems. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Credit/No Credit grading only. (Clinic 1 hour)

783. Neuromusculoskeletal Practice II (1)
Prerequisite: DPT 782. Corequisites: DPT 742, 744.
Supervised advanced pro bono clinical practice for management of the client with disorders of the neuromuscular system. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education. Focus on problem solving and decision making.
Credit/No Credit grading only. (Clinic 1 hour)

784. Clinical Practice II (3)
Prerequisites: DPT 733, 734, 741, 742, 760, 781.
Six weeks of supervised full-time clinical practice in the acute care or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Credit/No Credit Grading only. May be repeated to a maximum of 6 units in different semesters. (Clinical Practice 6 weeks)

785. Clinical Internship I (3)
Prerequisites: DPT 752, 781, 784.
Six weeks of supervised full-time clinical practice in an inpatient or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education.
Credit/No Credit Grading only. May be repeated to a maximum of 6 units in different semesters. (Clinical Practice 6 weeks)

786. Clinical Internship II (3)
Prerequisites: DPT 781, 784, 785.
Six weeks of supervised full-time clinical practice in an inpatient or outpatient physical therapy setting. Includes examination, evaluation, intervention, advocacy, and client/family caregiver education. Setting will be different from DPT 785 internship.
Credit/No Credit Grading only. May be repeated to a maximum of 6 units in different semesters. (Clinical Practice 6 weeks)

790. Selected Topics in Physical Therapy (1-3)
Prerequisite: Admission to DPT program or consent of instructor.
Topics of current interest in physical therapy selected for special presentation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the Schedule of Classes.

791. Current Trends in Physical Therapy (2)
Prerequisite: Admission to DPT program or consent of instructor.
Current trends in physical therapy selected for special presentation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics in different semesters. Practice trend announced in the Schedule of Classes.

796. Research Methods (2)
Prerequisite: Admission to DPT program.
Scientific inquiry with emphasis on information searching. Includes epidemiology, research design, measurement theory, applied statistics, critical inquiry and clinical decision-making guidelines, research ethics, and the examination of research intended to validate physical therapy practice.
Letter grade only (A-F). (Lecture/discussion 2 hours)

797. Doctoral Project (1-4)
Prerequisite: DPT 796.
Research in an area of specialization in physical therapy under the direction of a faculty sponsor.
Letter grade only (A-F). A total of 4 units must be completed. May be repeated to a maximum of 4 units in different semesters.
GRADUATE CENTER FOR PUBLIC POLICY AND ADMINISTRATION
College of Health and Human Services

Director: Walter F. Baber
Center Office: Social Science Public Affairs Bldg. (SS/PA), Room 228
Telephone: (562) 985-4178
Faculty: Walter F. Baber, Edward Martin, William Moore, John W. Ostrowski, David C. Powell, Michelle A. Saint-Germain, Linda-Marie Sundstrom
Department Coordinator: Kathy Allan
Distance Learning: Sheryl Caito
Telephone: (562) 985-4179

Career Possibilities
Management Analyst • City Manager • Financial Analyst • Project Manager • Presidential Management Intern (PMI) • Non-Profit Management (Some of these, and other careers, require additional education or experience. For more information, see www.careers.csulb.edu.)

Introduction
The Center offers the Master of Public Administration degree; options in the degree program include Public Works Administration and Urban Affairs; and graduate certificate programs in Urban Executive Management, the Public Management Analyst, Employer-Employee Relations and Personnel Management, Public Sector Financial Management, and Transportation Policy and Planning.

Admission applications are encouraged from persons with successful government service who wish to pursue, part-time or full-time. A detailed summary of requirements, current course offerings and procedures are contained in student handbooks available from the Graduate Center for Public Policy and Administration and on its website at http://www.csulb.edu/~beachmpa.

The Center is accredited by the National Association of Schools of Public Affairs and Administration, Commission on Peer Review and Accreditation (NASPAA, 1120 G Street, NW, Suite 730, Washington, DC 20005, phone: 202-628-8965).

Admission Requirements
1. Minimum 3.0 Undergraduate GPA
2. Demonstrated competence in professional writing. A listing of ways you can demonstrate writing competence is available in the Center office (SSPA 228) or on the Center website: http://www.csulb.edu/colleges/chhs/departments/ppa/
3. Quality of professional experience as evaluated by Center faculty. This evaluation will be based on the applicant's current job description, resume, any other materials submitted by the applicant, and the length of professional service.
4. Other evidence of applicant's potential to undertake and successfully complete the MPA course of study: faculty may consider other evidence submitted by the applicant; for example, scores on optional standardized examinations such as the GRE, GMAT, LSAT, or other recognized standardized examinations.

Following admission to the University and acceptance to the Center, each student should meet with a faculty advisor. The faculty advisor will provide advice to the student on program course requirements and elective opportunities, and counsel the student in the chosen elective area.

A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Center.

Advancement to Candidacy
1. Fulfillment of the Graduate Writing Assessment Requirement (GWAR)
2. Minimum GPA of 3.0 in all graduate work completed at this University, or transferred from other sources, to meet degree or program requirements.
3. Successful completion (grade of "B" or better) of six units in the MPA program.
4. Completion of the orientation requirement.

Transfer of Credit
Students who have completed a graduate certificate program in the Public Management Analyst, Employer-Employee Relations and Personnel Management, Public Sector Financial Management, or Transportation Policy and Planning, may transfer up to 15 units of credit earned in the certificate program to be applied to the Center's Master of Public Administration degree program. The student must apply to the Center for admission as a degree candidate.

Students who have completed the academic requirements for the Master of Public Administration degree, prior to applying for admission to a graduate certificate program in the Center, may apply up to 6 units of credit earned in the MPA program for the required or elective courses in a certificate program.

Master of Public Administration
This is a 39-unit program. A common grounding in the core areas of public policy and administration is required; beyond this, considerable freedom of choice enables students to select subjects which fit their particular backgrounds or career objectives.

Admission Requirements
1. Minimum 3.0 Undergraduate GPA
2. Demonstrated competence in professional writing. A listing of ways you can demonstrate writing competence is available in the Center office (SSPA 228) or on the Center website: http://www.csulb.edu/colleges/chhs/departments/ppa/
3. Quality of professional experience as evaluated by Center faculty. This evaluation will be based on the applicant’s current job description, resume, any other materials submitted by the applicant, and the length of professional service.

4. Other evidence of applicant’s potential to undertake and successfully complete the MPA course of study: faculty may consider other evidence submitted by the applicant; for example, scores on optional standardized examinations such as the GRE, GMAT, LSAT, or other recognized standardized examinations.

Following admission to the University and acceptance to the Center, each student should meet with a faculty advisor.

A student whose overall grade point average is less than 3.0, but who presents acceptable evidence of professional potential shown through recent academic performance and experiential background, may be admitted by special action of the Center.

Orientation Requirement

All students must attend a mandatory Center orientation within the first two semesters of acceptance into the MPA Program.

Requirements

1. A minimum of 39 course units in graduate course work, with a minimum of 24 units of 500/600 level courses in public policy and administration;

2. Satisfactory completion of the following:
   - PPA 500 Foundations of Public Policy and Administration (3)
     Prerequisites: None.
   - PPA 555 Government Budgeting and Finance (3)
     Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
   - PPA 577 Public Sector Human Resources Management (3)
     Prerequisites: None.
   - PPA 660 Seminar in Organization Theory and Behavior (3)
     Prerequisites: None.
   - PPA 696 Research Methods in Public Administration (3)
     Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.

3. Completion of approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;

4. Completion of 12 units of elective course work from:
   - PPA 512, 517, 522, 523, 533, 535, 540, 546, 547, 548, 550, 567, 571, 575, 581, 590; CRJU 530, 504, 621; EDAD 541, 544; EDP 520, 536; GEOG 650, 666; HIST 673; POSC 640; REC 521, 571.

5. Successful completion of the following:
   - PPA 697 Directed Research (3,3)
     Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.

An approved Student Learning Portfolio.

Option in Urban Affairs

Admission

The general standards for admission are identical to those for the Master of Public Administration degree program. An applicant must demonstrate a background of related undergraduate course work of twelve units, or significant management and/or staff experience in public administration.

Requirements

1. A minimum of 39 course units in graduate course work, with a minimum of 27 units of 500/600 level courses in public policy and administration;

2. Satisfactory completion of the following:
   - PPA 500 Foundations of Public Policy & Administration (3)
     Prerequisites: None.
   - PPA 555 Government Budgeting and Finance (3)
     Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
   - PPA 577 Public Sector Human Resources Management (3)
     Prerequisites: None.
   - PPA 610 Seminar in Urban Affairs (3)
     Prerequisites: None.
   - PPA 660 Seminar in Organization Theory and Behavior (3)
     Prerequisites: None.
   - PPA 670 Policy Issue Analysis (3)
     Prerequisites: None.
   - PPA 696 Research Methods in Public Administration (3)
     Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.

3. Completion of an approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;

4. Completion of 12 units of elective course work from:
   - PPA 512, 517, 522, 523, 533, 535, 540, 546, 547, 548, 550, 567, 571, 575, 581, 590; CRJU 530, 504, 621; EDAD 541, 544; EDP 520, 536; GEOG 650, 666; HIST 673; POSC 640; REC 521, 571.

5. Successful completion of the following:
   - PPA 697 Directed Research (3,3)
     Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.

An approved Student Learning Portfolio.

Option in Public Works Administration

Admission

The general standards for admission are identical to those for the Master of Public Administration degree program. An applicant must demonstrate a background of related undergraduate course work of twelve units, or significant management and/or staff experience in public administration. For this degree option, the experiential background would be targeted to the public works and infrastructure sector.
Requirements
1. A minimum of 39 course units in graduate course work, with a minimum of 27 units of 500/600 level courses in public policy and administration;
2. Satisfactory completion of the following:
   - PPA 500 Foundations of Public Policy and Administration (3)  
     Prerequisites: None.
   - PPA 554 Public Works Facilities and Urban Policy (3)  
     Prerequisites: None.
   - PPA 555 Government Budgeting and Finance (3)  
     Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
   - PPA 577 Public Sector Human Resources Management (3)  
     Prerequisites: None.
   - PPA 660 Seminar in Organization Theory and Behavior (3)  
     Prerequisites: None.
   - PPA 670 Policy Issue Analysis (3)  
     Prerequisites: None.
   - PPA 696 Research Methods in Public Administration (3)  
     Prerequisite: PPA 517 or STAT 108 or equivalent with a grade of "C" or better.
3. Completion of an approved internship program (PPA 585) as required course work beyond the 39-unit minimum, or waiver of the internship requirement based on professional experience;
4. Completion of 12 units of elective course work selected from the following:
   - PPA 515, 522, 535, 540, 547, 550, 552, 560, 575, 590; CE 520
5. Successful completion of an approved Student Learning Portfolio and 6 units of one of the following courses:
   - PPA 697 Directed Research (3,3)  
     Prerequisites: Advancement to candidacy, completion of required MPA courses, consent of instructor.
   - CE 697 Directed Studies (1-3)  
     Prerequisites: Graduate standing. Corequisites: CE 696 or written consent of directed studies advisor.

Graduate Certificate in Urban Executive Management
This program is designed to serve the post-graduate executive development needs of men and women aspiring to top level positions in city and county governments. The goal of this program is to provide urban executives with a comprehensive knowledge of strategic planning processes; dynamics of human relations; strategies for implementing policies; consensus building techniques; and economic and financial forces impacting on local governments.

Students may only pursue the certificate program in combination with a CSULB degree program.

Prerequisite
In addition to the general admission requirements, applicants for the graduate certificate in Urban Executive Management should have significant upper level management experience in Public Administration, and a minimum of 10 years of progressively responsible management experience in government.

Requirements
1. A minimum of 18 course units in graduate course work, including 3 required and 3 elective courses.
2. Satisfactory completion of the following:
   - PPA 542 Emergency Planning and Management (3) 
     Prerequisites: None.
   - PPA 547 Local Government Economic Development Processes (3) 
     Prerequisites: None.
   - PPA 571 Leadership Skills and Strategies in the Public Sector (3) 
     Prerequisites: None.
3. Satisfactory completion of 3 elective courses selected from the following:
   - PPA 512, 525, 533, 535, 550, 555, 560, 575, 577, 610

Graduate Certificate in Public Management Analysis
This program is designed for public sector managers and those aspiring to work in budgeting, policy formulation, financial management, or program evaluation offices of government agencies. The program prepares candidates with such skills as defining a problem; conducting cost benefit analysis; utilizing basic statistical techniques; conducting behavioral/political analysis; preparing and presenting reports; learning to blend qualitative, behavioral, and political skills necessary for success as an analyst in government.

Students may only pursue the certificate program in combination with a CSULB degree program.

Prerequisite
In addition to general admission requirements, students should be employed in public service or related activities, or have a goal of public service-related activities.

Requirements
1. A minimum of 18 course units in graduate course work, including 4 required and 2 elective courses.
2. Satisfactory completion of the following:
   - PPA 515 Administrative Report Writing (3) 
     Prerequisites: None.
   - PPA 517 Analytical Skills Development (3) 
     Prerequisites: None.
   - PPA 521 Microcomputer Management for Public Administrators (3) 
     Prerequisites: None.
   - PPA 555 Government Budgeting and Finance (3) 
     Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
3. Satisfactory completion of 2 elective courses from:
   - PPA 522, 523, 540, and 560

Graduate Certificate in Public Sector Employer-Employee Relations and Personnel Management
This program is designed for public sector managers and those aspiring to enter public service who need the knowledge, skills, and abilities required to deal effectively with the critical area of public sector employee relations and personnel management. The primary goal is to provide the necessary training for public managers to effectively utilize human resources to their greatest potential in conjunction with the needs of the public organization.
Students may only pursue the certificate program in combination with a CSULB degree program.

**Requirements**

1. A minimum of 18 course units in graduate course work, including 3 required and 3 elective courses.
2. Satisfactory completion of the following:
   - PPA 555 Government Budgeting and Finance (3)
     Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
   - PPA 575 Public Sector Employer-Employee Relations (3)
     Prerequisites: None.
   - PPA 577 Public Sector Human Resources Management (3)
     Prerequisites: None.
3. Satisfactory completion of 3 elective courses from:
   - PPA 533, 570, 571 and 581

**Graduate Certificate in Public Sector Financial Management**

This Certificate Program is designed for public managers and others interested in obtaining an understanding of governmental financial management concepts, functions, techniques, and issues. The program is designed to familiarize students with financial management problems and the techniques available for solving them. An emphasis is placed on how to recognize, evaluate, and utilize financial information in decision-making.

Those most interested in pursuing the Certificate would likely fall into one of three categories. First, current private sector finance professionals who wish to develop an understanding of financial management functions and practices within the public sector. Second, current public sector financial managers who wish to further develop expertise in public sector financial management. Finally, in-service public sector employees who wish to start a career in government finance and who may use the courses for the Certificate as a guide for their course work towards the Master of Public Administration degree.

Students may only pursue the certificate program in combination with a CSULB degree program.

**Requirements**

Take all of the following (18 units):

- PPA 555 Government Budgeting and Finance (3)
  Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better.
- PPA 590T Selected Topics in PPA - Public Finance (3)
  Prerequisites: None.
- PPA 560 Public Financial Management (3)
  Prerequisite: PPA 555.
- PPA 567 Basic Governmental (Fund) Accounting (3)
  Prerequisite: PPA 555.
- ACCT 610 Advanced Cost Accounting, Budgeting and Control (3)
  Prerequisites: ACCT 500 or equivalent with a grade of "C" or better.
- IS 601 Quantitative Methods for Managerial Decision Making (3)
  Prerequisites: MBA standing required.

Note: Appropriate substitutes for the required courses may be allowed subject to permission of the Public Finance Specialization Faculty Advisor. Also, ACCT 610 and IS 601 have substantial prerequisites. Prospective students should refer to the *University Catalog* for details.

**Graduate Certificate in Transportation Policy and Planning**

The purpose of this certificate program is to provide instruction in the skills and knowledge appropriate to professional activity in transportation policy and planning for urban transportation. Key support areas include urban planning, policy analysis, environmental policy, intergovernmental policy, personnel policy, and grants administration.

Students may only pursue the certificate program in combination with a CSULB degree program.

**Requirements**

1. A minimum of 18 course units in graduate course work, including 2 required and 4 elective courses.
2. Satisfactory completion of the following:
   - PPA 522 Automating Government Administration (3)
     Prerequisites: None.
   - PPA 550 Urban Transportation Policy and Planning (3)
     Prerequisites: None.
3. Satisfactory completion of 4 elective courses from:
   - PPA 535, 540, 575, 670; CE 520; ECON 690

**Courses (PPA)**

500. Foundations of Public Policy and Administration (3)

Concepts of the discipline; fundamentals of public organization theory, policy formulation and analysis, and administrative and management processes; management in the public interest; and ethics in government.

Letter grade only (A-F).

509. Seminar in Strategic Planning for Public Managers (3)

Prerequisite: Consent of instructor

Introduction to the theories and practice of strategic planning in public organizations. The course is designed to promote an understanding of the theories and approaches to strategic planning and help the student to acquire practical skills involved in strategic planning.

Letter grade only (A-F).

512. Urban Executive Management (3)

Examines problems confronting today’s urban administrator and offers techniques for solving a variety of pressing problems. Subjects include managing in a local government setting issues such as public policy, planning, financial resources, personnel, and labor relations.

Letter grade only (A-F).

514. Municipal Law for Administrators (3)

Examination of major laws and legal issues affecting local government. Basic powers of cities including regulatory (police) powers, corporate (service) powers, taxation and eminent domain.

Letter grade only (A-F). Not open for credit to students with credit in PROF 514.

515. Administrative Report Writing (3)

Preparation of written documents required of public administrators.

Letter grade only (A-F).
517. Analytical Skills Development (3)
Designed to develop or improve the skills needed to perform analytical work in the public sector. Emphasis is on the methods of analysis and evaluation used in public service organizations. Communication of results will also be covered.
Letter grade only (A-F).

518. Microeconomics and Public Policy (3)
Covers key principles of microeconomics such as supply, demand, and market processes. Provides extensive coverage of topics that concern public section decisions, such as public goods, externalities, welfare analysis, and cost-benefit analysis.
Letter grade only (A-F).

521. Microcomputer Management for Public Administrators (3)
Focuses on the design, development, and management of microcomputer systems and applications in public organizations. Course elements: analysis of critical concepts and issues relating to management of computer systems, and hands-on computer laboratory experience for design, and use of applications.
Letter grade only (A-F).

522. Automating Government Administration (3)
The use of computers to assist government management. Special emphasis on automation of services. Provides an introductory background in computers and their applications to government systems and files for non-computer specialists.
Letter grade only (A-F).

523. Urban Information Systems for Public Management (3)

524. GIS Management and Applications for Public Managers (3)
Introduces students to the management and applications of Geographic Information Systems (GIS) in the Public Sector. Covers the requirements for designing and managing GIS applications for solving public sector problems. Hands-on use of GIS and analysis of GIS cases.
Letter grade only (A-F).

525. Non-Profit Management (3)
Examination of principal characteristics, scope, and functional management areas (i.e., governance, fund development, board development, volunteer and staff management, intersectoral relations; budgeting) in American nonprofit organizations, with particular attention to the important roles of nonprofits in the delivery of health and human services.
Letter grade only (A-F).

533. Race, Inequality and Public Policy (3)
Examines the multiple sources of ethnic, racial, gender, and class inequalities in the United States and how public policies have attempted to address these issues.
Letter grade only (A-F).

535. Intergovernmental Relations (3)
Presents concepts and issues of U.S. intergovernmental relations. Topics include history of the field, intergovernmental finances, state and federal legislative processes, legislative advocacy, interorganizational management, and current issues.
Letter grade only (A-F). Not open for credit to students with credit in PROF 535.

540. Grants Administration and Management (3)
Study of the various types of financial and technical assistance to local public and quasi-public agencies; the strategies for locating and obtaining grant programs support; and the development of effective project systems for externally funded projects.
Letter grade only (A-F).

542. Emergency Planning and Management (3)
Planning and management processes and issues involved in large-scale emergencies; the nature of natural and technological risk and emergency, with attention to public sector roles in contingency planning and response.
Letter grade only (A-F). Same course as EMER 506. Not open for credit to students with credit in EMER 542 or 506.

546. The Urban Crisis and the Public Administrator (3)
Survey of the history of urbanization, the literature of urban power relations and decision-making, and the dynamics of race relations in the urban environment. Major focus on extensive interface with urban agency representatives.
Letter grade only (A-F).

547. Local Government Economic Development Processes (3)
Discussion of the nature, goals and processes of locally based economic development programs. Definition of governmental incentives designed to maximize private investment. Explanation of property-related revenues from public and private perspectives.
Letter grade only (A-F).

548. Housing Problems and the Urban Administrator (3)
Overview of housing problems in contemporary urban society. Increases public administrator’s awareness of the interrelationships between local government administration and housing problems, facilitate public administrator’s ability to deal with these problems.
Letter grade only (A-F).

550. Urban Transportation Policy and Planning (3)
Examines urban transportation activities and options for future. Analyzes local, state, federal policy; Los Angeles urban transportation development, transit proposals, new policies and activities.
Letter grade only (A-F).

554. Public Works Facilities and Urban Policy (3)
Provides a study of public infrastructure essential to urban communities. Focus given to water, wastewater, transportation, solid waste, public facilities, and schools.
Letter grade only (A-F).

555. Government Budgeting and Finance (3)
Prerequisites: PPA 518 or ECON 101 or ECON 300 or equivalent with a grade of "C" or better. Presents the major concepts and skills associated with budget preparation for all levels of government. Topics include: budget processes and formats, basic principles of government accounting, revenue, and capital budgeting.
Letter grade only (A-F). Not open for credit to students with credit in PROF 555.

560. Public Financial Management (3)
Prerequisite: PPA 555. Focuses on financial planning, implementation and management control, financial reporting, and financial analysis used in public service organizations.
Letter grade only (A-F).

567. Basic Governmental (Fund) Accounting (3)
Prerequisite: PPA 555. Provides an introduction to unique characteristics of governmental accounting. Aspects of recording and reporting of financial transactions in public service organizations. Governmental auditing and financial condition analysis.
Letter grade only (A-F).
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Letter Grade Only</th>
<th>Prerequisite/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>570</td>
<td>Negotiating Dynamics: Strategies and Skills (3)</td>
<td>Examination of negotiating strategies and skills based on tested use of power and psychological principles in negotiations. Different strategies and skills examined for negotiating under varying levels of cooperation and conflict.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>571</td>
<td>Leadership Skills and Strategies in the Public Sector (3)</td>
<td>Leaders in urban governments, community based and nonprofit organizations are challenged to move their bureaucracies toward solutions to complex problems. Examines administrative leadership, current approaches to organizational excellence and their applicability in a variety of administrative settings.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>575</td>
<td>Public Sector Employer-Employee Relations (3)</td>
<td>Analysis of prevailing practice and techniques of collective bargaining and its continuing impact on the economic, political, and organization structure in the public sector.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>577</td>
<td>Public Sector Human Resources Management (3)</td>
<td>Historical development of civil service/merit system; laws which affect operations of personnel system; analysis of the various components of a personnel system; impact of labor negotiations; role of personnel system as a change agent.</td>
<td>(A-F)</td>
<td>Not open for credit to students with credit in PROF 577.</td>
</tr>
<tr>
<td>581</td>
<td>Government/Community Relations (3)</td>
<td>Investigation of relationship between governments and community based organizations, with particular attention to strategies for diagnosing problems and opportunities and prescribing courses of action in public policy where governments and nonprofits converge.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>585</td>
<td>Public Policy and Administration Internship (3-12)</td>
<td>Prerequisite: Consent of the instructor. Provides exposure to and understanding of the governmental environment. Students seeking the MPA degree who do not have managerial experience in government are required to participate in the internship program. May be repeated to a maximum of 12 units. Academic credit earned for the internship program is beyond the 39 units required for the MPA degree.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>590</td>
<td>Selected Topics in Public Policy and Administration (3)</td>
<td>Investigation of a special problem as defined by the instructor that is of current interest to the field of public policy and administration.</td>
<td>(A-F)</td>
<td>May be repeated to a maximum of 9 units with different topics. Topics announced in the Schedule of Classes.</td>
</tr>
<tr>
<td>597</td>
<td>Directed Studies (1-3)</td>
<td>Prerequisite: Consent of instructor. Independent study in public policy and administration.</td>
<td>(A-F)</td>
<td></td>
</tr>
<tr>
<td>610</td>
<td>Seminar in Urban Affairs (3)</td>
<td>An interdisciplinary course gives students opportunity to develop expanded awareness of the interrelationships between various urban problems in the urban systemic environment.</td>
<td>(A-F)</td>
<td></td>
</tr>
</tbody>
</table>
RECREATION AND LEISURE STUDIES
College of Health and Human Services

Department Chair: Maridith Janssen
Department Office: Health and Human Services (HHS) 2 - 118
Telephone: (562) 985-4071
Faculty: Michael A. Blazey, Melissa H. D’Eloia, Katherine James, Maridith Janssen, Marilyn A. Jensen (Emerita), Kenneth Silverberg
Department Coordinator: Pamela Ford
Graduate Advisor: Katherine James

Career Possibilities
Recreation Leader • Recreation Therapist • Senior Center Director • Recreation Supervisor • Camp Director • Recreation Facility or Club Manager • Park Ranger • Travel Agent • Sporting Goods Sales Representative • Hotel or Resort Manager • Municipal Supervisor • Employee Services Specialist • Social Director • Travel Guide • Volunteer Services Manager • Park Naturalist • Intramural Director • City Manager • Community Services Director (For more information, see www.careers.csulb.edu.)

Introduction
The Department exists to promote a broader and deeper understanding of the role of leisure and recreation in the lives of all people and to enhance the quality of experiences available to each person.

The department is accredited by the Accreditation Council of the National Recreation and Park Association (National Recreation and Park Association, Council on Accreditation for Parks, Recreation, Tourism and Related Professions, 22377 Belmont Ridge Road, Ashburn, VA 20148, phone: 703-858-0784).

Undergraduate Programs

Bachelor of Arts in Recreation (120 units)
Student must maintain a cumulative 2.0 GPA on all units attempted and achieve a "C" or better in each course of the Recreation major to progress in the sequence of study. Students earning less than a "C" grade in a course required in the major must repeat that course.

Students wishing to substitute courses or deviate in any way from department requirements must submit a letter of request to the Department faculty. No more than six units of Recreation-prefix courses may be taken by contract. The Internship is "Letter grade only (A-F)." The Internship is taken the last semester before graduation. No other courses may be taken concurrently with the Internship.

Requirements
Lower Division:
Take all of the following courses:
REC 141 Introduction to Leisure Services (3)
Prerequisite/Corequisite: One GE Foundation course.
REC 225 Programming Recreation Activities (3)
Prerequisite: None

Upper Division:
Take all of the following courses:
REC 325 Advanced Program & Event Management (3)
Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
REC 341 Eval and Research in Leisure Services (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.
REC 351 Foundations of Therapeutic Recreation (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.
REC 421 Supervisory & Administrative Practices (3)
Prerequisite: REC 100 or 300; 141, 225, or consent of instructor.
REC 423 Facility Design and Operations (3)
Prerequisites: REC 325 or consent of instructor.
REC 425 Financing Leisure Services (3)
Prerequisites: REC 325 or consent of instructor.
REC 427 Legal Aspects of Leisure Services (3)
Prerequisites: Upper division standing.
REC 431 Recreation Resource Management (3)
Prerequisites: REC 100 or 300; 141, or consent of instructor.
REC 480 Philosophy of Recreation and Leisure (3)
Prerequisites: REC 325, 341, one of the following: REC 421, 425, 427.
REC 498 Internship in Leisure Services (6-9)
Prerequisites: Completion of all major requirements; 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

Additional Courses:
Take one of the following courses:
REC 100, 300
Take one of the following courses:
HDEV 307I, 357I, or PSY 370I
Take 15 units from the following courses:

Minor In Recreation
A minimum of 21 units approved by the departmental minor advisor which must include:

Take all of the following:
REC 141 Introduction to Leisure Services (3)
Prerequisite/Corequisite: One GE Foundation course.
REC 225 Programming Recreation Activities (3)
Prerequisites: None
REC 321 Leadership in Recreation & Leisure Studies (3)
Prerequisites: None
REC 340I Leisure in Contemporary Society (3)
Prerequisites: GE Foundations requirements; one or more Exploration courses; upper division standing.
REC 351 Foundations of Therapeutic Recreation (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.

Take two of the following:
REC 220, 322, 324, 337, 371, 428, 430, 431, 433, 462, 473, or 490 with consent of advisor.

2012/2013 CSULB Catalog • Recreation and Leisure Studies • 731
Minor In Event Planning and Management
The Event Planning and Management minor provides students with expertise for careers in event planning and management. Curriculum covers skills and knowledge including negotiation, event planning, programming, promotion, budget and legal issues.

Requirements
Core (18 units):
- HFHM 270 Introduction to Hospitality Foodservice and Hotel Management (3)
- Prerequisites: None
- HFHM 274 Global Issues in Hotel and Restaurant Management (3)
  Prerequisites: ENGL 100 or equivalent.
- HFHM 374 Meeting Planning in Hotels and Restaurants (3)
  Prerequisites: HFHM 170.
- REC 325 Advanced Program and Event Management (3)
  Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
- REC 462 Travel, Tourism, and Resort Recreation Management (3)
  Prerequisites: REC 325 or consent of instructor.
- REC 465 Convention and Conference Planning (3)
  Prerequisites: REC 325 or consent of instructor.
  Take 6 units of electives from the following courses:
  - ACCT 201; CECS 110, 200; COMM 334; HFHM 372, 376; HFHM 378 or REC 427; HFHM 476 or REC 425; REC 468, 490.

Certificate Programs
The certificate programs are available undergraduate and graduate students, and students who already possess a baccalaureate degree and are enrolling in a certificate program, unless otherwise noted. Students pursuing a degree may complete the certificate concurrently with or subsequent to their degree by enrolling as a certificate student. Courses taken for certificate requirements may be used, where appropriate, to meet the General Education or degree requirements of cooperating departments. Extension and/or transfer credit may comprise no more than one-fourth of the course work used to meet baccalaureate certificate requirements. Students should contact the department to schedule a meeting with the certificate advisor.

Certificate in Therapeutic Recreation
This certificate prepares students for the California Board of Recreation and Park Certification exam and for the National Council for Therapeutic Recreation Certification exam. A baccalaureate degree, which may be awarded concurrently, is required for completion of this certificate program.
This certificate program is eligible for Financial Aid. Please see the department web site for required Federal disclosure information.

Core Requirements
Take all of the following:
- REC 351 Foundations of Therapeutic Recreation (3)
  Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.
- REC 451 Management of Therapeutic Recreation Services (3)
  Prerequisites: REC 351, 452 or consent of instructor.
- REC 452 Therapeutic Recreation Treatment/Program Planning (3)
  Prerequisites: REC 351 or consent of instructor.
- REC 453 Comprehensive Programming and Evaluation in Therapeutic Recreation (3)
  Prerequisites: REC 100 or 300, 141, 225, 351 or consent of instructor.
- REC 458. Clinical Techniques in Therapeutic Recreation (3)
  Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
- REC 498 Internship in Leisure Services (6-9)
  Prerequisites: Completion of all major requirements; 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.
  Take six units of advisor-approved Recreation courses.

Additional Courses:
- Take 18 to 19 units taken with approval from certificate advisor. Includes anatomy/physiology course (3 - 4 units); abnormal psychology (3 units); human growth and development across the lifespan course (3 units); upper division support courses (9 units) from any of the following areas: sociology, psychology, educational psychology, health science, adapted physical education, anthropology, biology, communication studies, family and consumer sciences, gerontology, human development, kinesiology/physical education, social work, and special education.

Certificate in Administration of Campus Recreation and Student Service Programs
This certificate is for those looking to be Certified Recreation Sports Specialist through NIRSA. It will prepare them for the certification examination.
Students may only pursue the certificate program in combination with a CSULB degree program.

Requirements
Twenty-four (24) units of core requirements including:
  Take all of the following courses:
  - REC 321 Leadership in Rec and Leisure Studies (3)
    Prerequisites: None
  - REC 322 Recreational Sports Supervision (3)
    Prerequisites: None
  - REC 324 Campus Recreation Services (3)
    Prerequisites: Junior standing.
  - REC 325 Adv Program and Event Management (3)
    Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
  - REC 421 Supervisory and Administrative Practices (3)
    Prerequisite: REC 100 or 300; 141, 225, or consent of instructor.
  - REC 427 Legal Aspects of Leisure Services (3)
    Prerequisites: Upper division standing.
  - REC 485 Field Work (3)
    Prerequisites: Consent of instructor.
Take one (3 unit) evaluation course from the following:
REC 341 Eval & Research in Leisure Services (or equivalent) (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.

The remaining 6 units are electives which must be taken with approval of certificate advisor. These may include REC, KIN, HDEV, or HRM courses.

Certificate in Management of Nonprofit and Volunteer Services
Students may only pursue the certificate program in combination with a CSULB degree program.

Core Requirements
Take off of the following:
REC 325 Adv Program and Event Management (3)
Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.

REC 421 Supervisory & Administrative Practices (3)
Prerequisite: REC 100 or 300; 141, 225, or consent of instructor.

REC 425 Financing Leisure Services (3)
Prerequisites: REC 325 or consent of instructor.

REC 427 Legal Aspects of Leisure Services (3)
Prerequisites: Upper division standing.

REC 428 Principles of Nonprofit and Volunteer Management (3)
Prerequisites: None

REC 498 Internship in Leisure Services (6‑9)
Prerequisites: Completion of all major requirements; 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

Additional courses:
Take 6 units of elective courses addressing youth development, communication skills, marketing, evaluation, or working with diverse populations which must be taken with approval of certificate advisor.

Certificate in Administration of Outdoor Recreation Resources
Students may only pursue the certificate program in combination with a CSULB degree program.

Core Requirements
Take all of the following:
REC 427 Legal Aspects of Leisure Services (3)
Prerequisites: Upper division standing.

REC 430 Recreation in the Ocean Environment (3)
Prerequisites: None

REC 431 Recreation Resource Management (3)
Prerequisites: REC 100 or 300; 141, or consent of instructor.

Take six units of the following:
REC 337 Environmental & Cultural Interpretation (3)
Prerequisites: None

REC 490 or 590 approved by certificate advisor (3-6):
490 Selected Topics in Recreation (1-3)
Prerequisite: None

590 Selected Topics in Recreation (1-3)
Prerequisite: Consent of instructor.

REC 499 Independent Study (3)
Prerequisites: Consent of department and department chair.

Additional courses:
Take 6 units of elective courses from biology, geology, geography or environmental science and policy which must be taken with approval of certificate advisor.

Certificate in Administration of Travel and Tourism
Students may only pursue the certificate program in combination with a CSULB degree program.

Core Requirements
Take all of the following:
REC 462 Travel, Tourism, and Resort Recreation Management (3)
Prerequisites: REC 325 or consent of instructor.

REC 468 Tourism Planning and Development (3)
Prerequisites: REC 462 or consent of instructor.

GEOG 352 Geography of Travel and Tourism (3)
Prerequisites: None

HFHM 270 Introduction to Hospitality Foodservice and Hotel Management (3)
Prerequisites: None

Take one of the following:
REC 485 Field Work (3)
Prerequisites: Consent of instructor.

REC 498 Internship in Leisure Services (6-9)
Prerequisites: Completion of all major requirements; 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator.

Additional courses:
Take 6 units of upper division courses listed in the catalog under the Regional category in the Department of Geography or 6 units of a foreign language; plus 3 additional upper division units selected in consultation with certificate advisor.

Graduate Programs

Master of Science in Recreation Administration
This program helps prepare professional personnel who are managers leading private and public agencies and programs, and who can conduct research and evaluation of recreation services.

Admission
Students seeking admission to the Department of Recreation and Leisure Studies Graduate Program should have an undergraduate degree and a desire for graduate study. Applicants must apply for admission to the Recreation and Leisure Studies Department in addition to being admitted by Enrollment Services/Admissions. Admission requires:
1. Applicants must meet the criteria for acceptance by the University as a graduate student as outlined in this catalog;
2. Every applicant (new or continuing) must apply by submitting a Graduate/Post-Baccalaureate Admission Application to the Office of Admissions and Records,
to obtain admission to the University with graduate standing. Applications are available online (at the CSU Mentor website);

3. Every applicant must also apply to the Department of Recreation and Leisure Studies, by sending the following to the Graduate Coordinator in the Department of Recreation and Leisure Studies:
   A. A copy of the CSULB Graduate/Post-Baccalaureate Admissions Application (The original must be sent to Enrollment Services/Admissions on line via CSUMentor).
   B. Official transcripts of all undergraduate course work, including work done at all community colleges attended. Each applicant must request that official transcripts be sent to both the Graduate Advisor in the Department of Recreation and Leisure Studies and Enrollment Services.
   C. A current resume and a letter of intent that includes a summary of the applicant’s reasons for wanting to pursue a master’s degree in Recreation Administration. Both documents must be sent to the Department of Recreation and Leisure Studies Graduate Advisor.
   D. Three letters of recommendation from persons able to testify to the applicant’s academic ability, preferably from former professors. These letters must be sent to the Department of Recreation and Leisure Studies Graduate Advisor.
   E. Official test scores on the Graduate Record Exam (GRE) General test. While no specific cut off scores are required on either the verbal or the quantitative section, applicants must score a “4” or higher on the analytic writing section of the GRE.

Admitted graduate students must contact the Department of Recreation and Leisure Studies Graduate Coordinator for advisement early in their first semester of enrollment in order to develop an approved program of study.

Prerequisites
Graduate students must complete the following prerequisites:
1. A bachelor’s degree with a major in recreation; or
2. A bachelor’s degree with a minimum of 24 units of upper division courses comparable to those required in the undergraduate recreation major at this University. (Students deficient in undergraduate preparation must take courses approved by the department Graduate Coordinator to remove these deficiencies.)

Advancement to Candidacy
The following are required for student to advance to candidacy:
1. Enrollment in the semester or summer session in which advancement takes place;
2. Completion of the general University requirements for advancement to candidacy, as specified in this bulletin.
3. Fulfillment of the Graduation Writing Assessment Requirement (GWAR);
4. Satisfactory completion of REC 571 and 696 with a minimum grade of “B” in each of the courses.
5. After consultation with the student’s graduate advisor, determination of whether the student will complete the thesis option or project option.

6. Approval of the student’s graduate program by the Department Graduate Advisor and Associate Dean for the College of Health and Human Services.

Requirements
The core requirements for a master of science in recreation administration are REC 521, 571, 591, 595, and 696. In addition to the core classes, students are required to complete elective units and thesis or project units. The thesis option requires four units of REC 698 plus 11 units of electives. The project option requires three units of REC 698 plus 18 units of electives. Elective courses are to be selected after consultation with the graduate advisor. A maximum of 6 units may be taken from 400-level courses in Recreation. Up to six units of graduate work may be transferred from another accredited university or another department in CSULB. Transfer credit must be a “B” or better. All students must earn a grade of “A” or “B” for each required course. Advancement to candidacy is necessary before REC 698 can be taken.

Thesis or Project
The thesis or project is a supervised experience in the application of theory and analytical tools to an issue in recreation and leisure services.

The thesis should prepare students for further graduate work or research in the field. The project should provide an experience that is directly applicable to an occupation in recreation and leisure services. The thesis is a written product of the systematic study of a significant problem. It identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. The thesis is supervised by a committee of three, including the Thesis Chair, who must be a full-time tenure-track or tenured faculty member in the Recreation and Leisure Studies Department, and two other faculty members.

The project is a significant undertaking appropriate to the professional field. It evidences originality and independent thinking, appropriate form and organization, and a rationale. It is described and summarized in a written report that includes the project’s significance, a review of the literature, objectives, methodology, and a conclusion or recommendation. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. The coursework is supervised by a committee of three, including the Project Chair, who must be a full-time tenure-track or tenured faculty member in the Recreation and Leisure Studies Department, and two other faculty members.

Graduate Certificate in Leisure Counseling
Students may only pursue the certificate program in combination with a CSULB degree program.
Admission/Prerequisite:
Persons holding a bachelor’s or master’s degree in Recreation or Therapeutic Recreation or a related allied health field (e.g. Occupational Therapy, Music Therapy, Gerontology, Psychology, Adapted Physical Education, Counseling); two years verified experience in counseling approved by certificate advisor.
Core Requirements
Take all of the following courses:
- REC 454 Counseling Techniques in Therapeutic Recreation (3)
  Prerequisites: REC 351, 452 or consent of instructor.
- REC 590 Selected Topics in Recreation (1-3)
  Prerequisite: Consent of instructor.
- COUN 638 Group Counseling (3)
  Prerequisites: Admission to the MS in Counseling, and/or PPS Counseling Credential, or School Psychology Program, COUN 510, 513, 515 or equivalent upon approval of instructor.

Additional courses:
Take 3 units which must be taken with approval of certificate advisor.

Courses (REC)

LOWER DIVISION

100. Orientation to the Recreation Major (3)
Orientation to the professional roles in the field of leisure services; the philosophy, academic requirements, standards, documentation, procedures of followed in the Department of Recreation and Leisure Studies; and computer applications required of all majors.
Letter grade only (A-F). (Discussion, 3 hours) Not open to students with credit in REC 300.

141. Introduction to Leisure Services (3)
Prerequisite/Corequisite: One GE Foundation course.
Survey of public, private and non-profit agencies engaged in leisure services. Examination of populations served. Organizing principles of the recreation and leisure services profession.
Not open to students who have completed REC 241.

220. Universality of Play (3)
Prerequisites: GE Foundation requirements.
Exploration of ethnic origins of play from international perspective. Influence of play on creativity, drive and self image of society.
(Theory and practicum)

225. Programming Recreation Activities (3)
Methods and materials used in planning and leading organized recreation programs in public and private agencies. Analysis of interpersonal and group skills necessary for effective leadership of recreation activities. Special emphasis on supervised programming field experiences.
Letter grade only (A-F).

UPPER DIVISION

300. Orientation to the Recreation Major (3)
Orientation to the professional roles in the field of leisure services; the philosophy, academic requirements, standards, documentation, procedures of followed in the Department of Recreation and Leisure Studies; and computer applications required of all majors.
Letter grade only (A-F). (Discussion, 3 hours) Not open to students with credit in REC 100.

321. Leadership in Recreation and Leisure Studies (3)
Theory and application of leadership as it pertains to leisure service agencies. In depth analysis of interaction between leadership styles and group dynamics. Facilitation techniques necessary for effective group leadership.

322. Recreational Sports Supervision (3)
Organization and supervision of recreational sports for community-wide participation.
(Lecture 2 hours, Activity 2 hours.)

324. Campus Recreation Services (3)
Prerequisites: Junior standing.
Principles and practices in provision of recreation services on college, secondary, and elementary school campuses

325. Advanced Program and Event Management (3)
Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
Advanced management of recreation and leisure service programs with special emphasis on event planning and promotion. Includes interpretations of needs assessments and market analysis; analysis and selection of prospective client bases; program design, marketing, promotion, implementation and evaluation.
Letter grade only (A-F).

337. Environmental and Cultural Interpretation (3)
Principles and practices of environmental and cultural interpretation of outdoor recreation resources, including tours, brochures, slide shows and exhibits.
(Discussion, 3 hours)

340. Leisure in Contemporary Society (3)
Prerequisites: GE Foundations requirements; one or more Exploration courses; upper division standing.
Enhancing the understanding of leisure in contemporary society by examining beliefs, values, and social structures of one's own leisure and comparing and contrasting them with individual and social influences such as race/ethnicity, gender, sexuality, age, economic status, ability and religion.

341. Evaluation and Research in Leisure Services (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.
Foundations of current methods and practices of evaluation and research about leisure and in leisure services. Includes the critical need for evaluation and research in leisure services; research and evaluation concepts, types, and designs; sampling; and information/data collection, analysis, interpretation, and presentation.
Letter grade only (A-F).

351. Foundations of Therapeutic Recreation (3)
Prerequisites: REC 100 or 300; REC 141, 225, or consent of instructor.
Philosophical and historical foundations of therapeutic recreation and principles of planning, implementing and evaluating leisure services for individuals with disabilities.
(Exercise, 3 hours)

371. Human Services Programming in Urban Areas (3)
Prerequisites: GE Foundation requirements.
Exploration of the community diversity, social issues, and community resources of urban areas in relationship to the concerns of recreation and human service needs. Examination of planning, development, and agency collaborations required to insure recreation services development meets community needs.

421. Supervisory and Administrative Practices (3)
Prerequisite: REC 100 or 300; 141, 225, or consent of instructor.
Concepts and techniques of supervision and administration in recreation agencies; emphasis on recruitment, assignment, evaluation and in-service training of recreation personnel.

423. Facility Design and Operations (3)
Prerequisites: REC 325 or consent of instructor.
Theories and practical experience in the design, development, operation, maintenance and administration of various recreational facilities.
Letter grade only (A-F).

425. Financing Leisure Services (3)
Prerequisites: REC 325 or consent of instructor.
Financing and budgeting in public and private sector leisure service agencies; management by objectives as related to fiscal elements.
427./527. Legal Aspects of Leisure Services (3)
Prerequisites: Upper division standing.
Political, policy making, and legal aspects underlying the establishment, operation, and termination of public and private leisure services.
Letter grade only (A-F). (Discussion, 3 hours.)

428./528. Principles of Nonprofit/Volunteer Management (3)
Survey of the principles of nonprofit and volunteer services management. The philosophical, historical and social context of the volunteer movement; funding, governance, organization and management of nonprofit organizations and volunteer services; trends and issues; professional development and employment.

430. Recreation in the Ocean Environment (3)
Study of the skills and techniques of administration of an ocean-oriented recreational resource, including management and trip planning. Will be supplemented with a week long field trip to Santa Barbara Island.
Course fee may be required.

431. Recreation Resource Management (3)
Prerequisites: REC 100 or 300; 141, or consent of instructor.
Review of the techniques of recreation resource management; the role of citizens, government and private agencies in acquisition and development of these resources; development of resource management policies.

433. Management of Organized Camps (3)
Management of organized camps, with particular emphasis on the role and responsibility of the on-site director; practical experience in all phases of camping. Topics include camp philosophies, job responsibilities, staff dynamics, campers’ characteristics and needs, program development and facility management.

451. Assessment and Documentation in Therapeutic Recreation (3)
Prerequisites: REC 351, 452 or consent of instructor.
Identification and understanding of assessment and documentation in therapeutic recreation. Includes assessment of leisure and social functioning, problem identification, development of goals and objectives, and methods of documentation regarding client progress.
Letter grade only (A-F).

452. Therapeutic Recreation Treatment/Program Planning (3)
Prerequisites: REC 351 or consent of instructor.
Development of individual treatment/program plans in therapeutic recreation. Includes assessment of leisure and social functioning, problem identification, development of measurable objectives, determination of program content and methods, documentation, and evaluation of the client’s progress.
(Lecture 2 hours, Activity 1 hour.)

453. Comprehensive Programming and Evaluation in Therapeutic Recreation (3)
Prerequisites: REC 100 or 300, 141, 225, 351 or consent of instructor.
Examination of treatment programs for a variety of populations and settings in Therapeutic Recreation. Students learn to develop comprehensive treatment plans based on client objectives, select appropriate program content, modify activities to meet client needs, and evaluate program effectiveness.
Letter grade only (A-F).

454./554. Counseling Techniques in Therapeutic Recreation (3)
Prerequisites: REC 351, 452 or consent of instructor.
Letter grade only (A-F).

457./557. Legislative Action in Therapeutic Recreation (3)
Prerequisites: REC 351 or consent of instructor.
Overview of Therapeutic Recreation as related to national healthcare issues. Includes examination of various legislative issues/bills introduced in congress with a direct effect on the profession. This non-required course includes travel to a midyear conference in Washington D.C.
Letter grade only (A-F).

458./558. Clinical Techniques in Therapeutic Recreation (3)
Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
Examination of clinical techniques and practices in therapeutic recreation. Includes theoretical background to clinical treatment, facilitation techniques, and treatment modalities for individuals with disabilities.
Letter grade only (A-F). (2 hours lecture, 1 hour lab)

462. Travel, Tourism, and Resort Recreation Management (3)
Prerequisites: REC 325 or consent of instructor.
Current procedures and processes in managing travel, tourism and resort recreation organizations. Discussion includes the organization and management of human resources in the marketing of travel, tourism and resort recreation enterprises.

465. Convention and Conference Planning (3)
Prerequisites: REC 325 or consent of instructor.
Organizing, planning and managing conferences and conventions. Analysis of site and facility selection, scheduling, theme development, programming, affiliated events, exhibit management, registration and overall services.
Letter grade only (A-F).

467./567. Principles of Ecotourism Development (3)
Prerequisite: REC 325 or instructor consent.
Principles and practices of ecotourism development from a sociocultural, environmental, economic, and political perspective. Implementation of tourism development including certification issues, management of resources, and community choices. Ecotourism planning that benefits locals and travelers.
Letter grade only (A-F).

468. Tourism Planning and Development (3)
Prerequisites: REC 462 or consent of instructor.
Analysis of elements which are included in a community development plans. Assessment of the touristic potential of a region or site, enabling legislation, organization, and administration of a tourism development plans, identification of sources of resistance and support.

469./569. Disability, Culture and Society: Issues and Intervention (3)
Prerequisite: Senior or graduate standing.
Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.
Letter grade only (A-F). Same course as GERN 469. Not open for credit to students with credit in GERN 469 or SW 469.

473./573. Aging and Leisure (3)
Prerequisites: REC 325 or consent of instructor.
Theories, concepts and influences on satisfaction with retirement focusing on leisure-related issues. Overview of the continuum of services, emphasizing leisure services available to older people.
480. Philosophy of Recreation and Leisure (3)
Prerequisites: REC 325, 341, one of the following: REC 421, 425, 427. Open to recreation majors only.
Exploration of the philosophical and ethical basis for current practices in recreation and leisure service organizations.
(Discussion, 3 hours.)

485. Field Work (3)
Prerequisites: Consent of instructor.
Supervised experience in recreation leadership, supervision or administration approved by faculty advisor or consent of instructor. Credit/No credit grading only. May be repeated to a maximum of 6 units in different semesters.

490. Selected Topics in Recreation (1-3)
Identification and critical analysis of current problems in selected areas of recreation.
May be repeated to a maximum of 6 units with different topics in different semesters. Topics announced in the Schedule of Classes.

498. Internship in Leisure Services (6-9)
Prerequisites: Completion of all major requirements; 1000 hours of verified paid or volunteer leadership experience approved by faculty advisor, or 500 hours of experience and fluency in both English and a second language consistent with CSULB Language Proficiency Requirements; and consent of internship coordinator. This internship will involve 400 hours of supervised experience in an approved leisure service agency jointly supervised by university and agency personnel.
Letter grade only (A-F). (Field work)

499. Independent Study (1-3)
Prerequisites: Consent of department and department chair.
Individual projects in areas of special interest areas. Independent study under the direct supervision of a faculty member.
May be repeated to a maximum of 6 units in different semesters with consent of instructor.

GRADUATE LEVEL

521. Recreation Administration (3)
Organizational theory; planning, staffing and budgeting of recreation programs in governmental and voluntary agencies.
Letter grade only (A-F).

527./427. Legal Aspects of Leisure Services (3)
Prerequisites: Upper division standing.
Political, policy making, and legal aspects underlying the establishment, operation, and termination of public and private leisure services.
Letter grade only (A-F). (Discussion, 3 hours.)

528./428. Principles of Nonprofit/Volunteer Management (3)
Survey of the principles of nonprofit and volunteer services management. The philosophical, historical and social context of the volunteer movement; funding, governance, organization and management of nonprofit organizations and volunteer services; trends and issues; professional development and employment.

554./454. Counseling Techniques in Therapeutic Recreation (3)
Prerequisites: REC 351, 452 or consent of instructor.
Letter grade only (A-F).

557./457. Legislative Action in Therapeutic Recreation (3)
Prerequisites: REC 351 or consent of instructor.
Overview of Therapeutic Recreation as related to national healthcare issues. Includes examination of various legislative issues/bills introduced in congress with a direct effect on the profession. This non-required course includes travel to a midyear conference in Washington D.C.
Letter grade only (A-F).

558./458 Clinical Techniques in Therapeutic Recreation (3)
Prerequisites: REC 100 or 300; 141, 225, or consent of instructor.
Examination of clinical techniques and practices in therapeutic recreation. Includes theoretical background to clinical treatment, facilitation techniques, treatment modalities and individual and group interventions for individuals with disabilities.
Letter grade only (A-F). (2 hours lecture and 1 hour lab)

567./467. Principles of Ecotourism Development (3)
Prerequisite: REC 325 or graduate student standing.
Principles and practices of ecotourism development from a socio-cultural, environmental, economic, and political perspective. Implementation of tourism development including certification issues, management of resources, and community choices. Ecotourism planning that benefits locals and travelers.
Letter grade only (A-F).

569./469. Disability, Culture and Society: Issues and Intervention (3)
Prerequisite: Senior or graduate standing.
Disability as a social construct. Examines policies and practices to understand the experience of disability. Includes historical and contemporary perspectives as well as future issues. Emphasis on social and clinical intervention methods as well as programs and resources.
Letter grade only (A-F). Same course as GERN 569 and SW 569.
Not open for credit to students with credit in GERN 569.

571. Philosophy, Issues and Trends (3)
Exploration of the current philosophy, trends and issues in the field of recreation.
Letter grade only (A-F).

573./473. Aging and Leisure (3)
Prerequisites: REC 325 or consent of instructor.
Theories, concepts and influences on satisfaction with retirement focusing on leisure-related issues. Overview of the continuum of services, emphasizing leisure services available to older people.

590. Selected Topics in Recreation (1-3)
Prerequisite: Consent of instructor.
In-depth investigation of topics of current interest and concern to students experienced in recreation.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.

591. Research Proposal Writing (3)
Prerequisite: REC 571, 595, and 696.
Addresses variations in research design and methodology. Completion of a thesis or project proposal is a requirement.
Letter grade only (A-F).

595. Data Analysis in Recreation Administration (3)
Prerequisites: REC 571 and 696.
Analysis of administrative studies and surveys; procedures for conducting and analyzing appraisals of recreation programs and facilities.
Letter grade only (A-F).
599. Independent Study (1-3)
Prerequisites: Consent of graduate advisor and department chair.
Independent research under the supervision of a Recreation and Leisure Faculty member.
May be repeated to a maximum of 6 units. Letter grade only (A-F).

696. Research Methodology (3)
Research methodology in recreation. To be completed within the first 12 units of the 500/600 series of courses.
Letter grade only (A-F).

697. Directed Studies (1-3)
Prerequisites: REC 698, advancement to candidacy.
Independent investigation of field research problems in recreation.
Letter grade only (A-F). May be repeated to a maximum of 3 units in different semesters.

698. Thesis (1-4)
Prerequisites: REC 591, 696, advancement to candidacy.
Planning, preparation and completion of an approved thesis.
May be repeated to a maximum of 4 units in different semesters.
The mission of the School of Social Work is to prepare a diverse student population for Bachelor of Arts in Social Work (BASW) and Master of Social Work (MSW) degrees for professional social work practice. The graduates of these programs are able to:

- demonstrate competent and ethical practice with diverse and multicultural populations from a base that builds on advances in social work knowledge, values and skills;
- enhance the well-being, and address the needs of diverse and multicultural populations across the life span; and
- advocate for social justice and social change and for elimination of oppression and discrimination.

Additionally, the mission is to provide a BASW and MSW education which is broadly accessible so that graduates can serve the needs of local, state and international communities in which they practice. In order to accomplish the mission, the School of Social Work draws on a diverse faculty who provide quality social work education and contribute to the community, the profession and the advancement of professional knowledge.

The BASW and MSW programs are accredited by the Council on Social Work Education (Council on Social Work Education, Commission on Accreditation, 1701 Duke Street, Suite 200, Alexandria, VA 22314, 703-683-8080). The School, University and Council on Social Work Education regulations do not permit the substitution of life or work experience for curriculum or degree requirements.

### Undergraduate Programs

**Bachelor of Arts in Social Work**

(120 units)

The School of Social Work offers, in conjunction with the general education requirements, a professional program leading to a Bachelor of Arts in Social Work (BASW). The goals of the BASW program are to prepare students for entry level, professional, generalist social work practice and for graduate social work education, including advanced standing. Students learn to practice as professional social workers with persons and groups representing the range of human diversity and with systems of all sizes (individuals, families, groups, communities and institutions).

Social Work majors should consider taking courses as electives or for fulfillment of general education requirements in any of the ethnic studies disciplines, women’s studies and gerontology programs in the Colleges of Health and Human Services and Liberal Arts. The School can make recommendations concerning those courses which would be most useful to students interested in acquiring broader information closely allied to professional social work practice.

### Admission Under Impaction - Fall Only

Admission to the Social Work Program takes place in the fall semester only. Candidates are required to file a supplementation application with the School of Social Work by March 1st of the year you wish begin the BASW Program. Applications can be downloaded from the School of Social Work website at http://www.csulb.edu/social-work.

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major_upper.html#socialwork.
Admission Under Impaction for Continuing Students

Students who indicate an interest in a Social Work major when they enter as freshmen will be assigned a pre-social work major code. Acceptance into the pre-major by the University does not imply or assure subsequent acceptance into the major by the School. Students who are not accepted into the major cannot continue as pre-social work majors.

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major_upper.html#socialwork.

Admission Under Impaction for Transfer Students

Students must be eligible for admission to the University as transfer students and must apply for admission to the University no later than November 30 for admission the following fall. Students who are not admitted to the major will not be admitted to the University unless they have listed a second choice of major on the application form.

Refer to the following website for additional impaction criteria: http://www.csulb.edu/depts/enrollment/admissions/impacted_major_upper.html#socialwork.

Additional Requirements

To be allowed to continue in the major, students must complete the following:

A. Pass Abnormal Psychology within the first two semesters
B. Fulfill the Graduate Writing Assessment Requirement (GWAR).

Refer to the following website for more information:
http://csulb.edu/divisions/aa/gwar/students/
Students can contact the School’s admissions office for academic advising concerning the requirements for admission into the BASW program.

Fieldwork

The field sequence has an integral role in the BASW curriculum providing an opportunity for students to apply social work knowledge and practice skills in an agency based educationally focused fieldwork internship. In the junior year, students complete an 80 hour practicum (SW 341) at a community agency (8 hours for 10 weeks). Students complete 450 hours of field placement (SW 495A/B) in their senior year for which they earn 14 academic units. Students complete 16 hours per week in an assigned agency placement. This must include either two 8-hour weekdays or one 8-hour weekday and two 4-hour weekend (Monday - Friday daytime hours) blocks. A variety of agencies in the surrounding communities are used, and the School’s field faculty select the most appropriate field placement site for students. Criminal background checks and health screenings may be required for field placements.

Required Courses

Take all of the following courses:

- SW 220 Introduction to Social Welfare (3)
  Prerequisites: GE Foundation requirements.
- SW 221 Introduction to Social Welfare Practicum (3)
  Prerequisites: Consent of instructor. Corequisites: SW 220.
- SW 330 Human Behavior and Social Environment: Birth Through Adolescence (3)
  Prerequisites: GE Foundation requirements.
- SW 331 Human Behavior and Social Environment: Young Adulthood Through Old Age (3)
  Prerequisites: GE Foundation requirements.
- SW 340 Generalist Social Work Practice (3)
  Prerequisites: SW 220, 221, 330, 350. Corequisites: SW 341.
- SW 341 Social Work Practicum (3)
  Prerequisites: SW 331, 340 and 351. Supervised practicum in an applied social service agency or allied setting for a minimum of 80 hours (8 hours per week for 10 weeks).
- SW 350 Social Policy: Law and Court Decisions (3)
  Prerequisites: GE Foundation requirements.
- SW 351 Social Policy: Formulation and Analysis (3)
  Prerequisites: GE Foundation requirements.
- SW 440 Generalist SW Practice with Groups (3)
  Prerequisites: SW 331, 340, 341. Corequisites: SW 495A.
- SW 441 Generalist SW Practice with Communities and Institutions (3)
  Prerequisites: SW 331, 340, 341, 351. Corequisites: SW 495B.
- SW 442 Generalist Social Work Practice with Individuals/Families (3)
  Prerequisites: SW 331, 340, 341. Corequisites: SW 495A.
- SW 465 Research Methods in Social Work (3)
  Prerequisites: SW 440 and 442 and one course in elementary statistics. Corequisites: SW 441, 465 and 495B.
- SW 495A Field Experience in Social Work (7)
  Prerequisites: SW 330, 331, 340, 341, 350, 351. Corequisites: SW 440 and SW 442.
- SW 495B Field Experience in Social Work (7)
  Prerequisites: SW 442 and 495A. Corequisites: Enrollment in two of the following: SW 440, 441, and 465.

Sequence of Required Courses

Full-time students will take the following sequence of courses starting with:

First Level (fall): SW 220, 221, 330, 350
Second Level (spring): SW 331, 340, 341, 351
Third Level (fall): SW 440, 442, 495A
Fourth Level (spring): SW 441, 465, 495B

Part-time students will take the following sequence of courses

First Level (fall): SW 220, 221
Second Level (spring): SW 330, 350
Third Level (fall): SW 331, 351
Fourth Level (spring): SW 340, 341
Fifth Level (fall): SW 440, 442, 495A
Sixth Level (spring): SW 441, 465, 495B

All Social Work courses must be completed with a grade no lower than a “C” (or 2.0) in classroom courses or a “CR” for practicum or field experience courses. If a student earns a grade lower than a “C” (or 2.0) in a classroom course or a “NC” in a practicum or field experience course, the student must repeat the course. All courses must be taken in sequence, therefore, a student cannot move forward in the Social Work program until each course has been successfully completed. All internship classes must be taken concurrently with direct generalist practice courses.

CalSWEC BASW Stipend Program

California Social Work Education Center (CalSWEC) is a unique partnership between social work education and the publicly supported child welfare agencies. A goal of the CalSWEC program is to recruit and prepare a diverse
group of social workers for careers in public child welfare. CalSWEC provides financial support to BASW students in exchange for a commitment to work in a public child welfare agency after graduation. The intent of the program is to strengthen and enhance the quality of practice by professionally trained and educated public child welfare social workers.

The IV-E stipends provide support for full-time students in their senior year enrolled in the BASW program. A CalSWEC reimbursement program is available for part-time students currently employed with the County Social Services department that provides child-welfare or assistance benefits eligibility functions. All part-time applicants must provide a letter of support from their agency administrator/director. Financial support for awarded part-time students will include actual cost of full tuition and fees, book costs as well as a travel allowance.

**Application Process**

Students must first be admitted into the BASW program. Students are required to submit a CalSWEC application. The application is supplemented with various questions designed to ascertain their interest and level of commitment to a career in public child welfare. Once accepted into the program students must undergo pre-screening for county employment, including fingerprinting and participation in the criminal clearance process as well as a psychological and/or medical exam. The student is required to sign a contract to secure full-time employment in a public child welfare agency after graduation.

Priority is given to applicants representing diverse population groups currently served by child welfare agencies in California. Fluency in a high demand language is also given priority. Years of service and other child welfare experience also weigh significantly into the selection process. Students in the program must be U.S. citizens or have a permanent visa.

An Awards Committee, made up of representatives of the CSULB School of Social Work and representatives of public child welfare agencies from counties surrounding the University, will review and finalize selection of candidates to whom the award will be offered.

**Requirements**

Students participating in the program must meet all the following criteria:

1. Successful admission to the BASW major;
2. Maintain a C (2.0) average;
3. Attendance at mandatory seminars/trainings on specialized topics;
4. Have a valid driver’s license and secure use of a car as required for fieldwork;
5. Undergo pre-screening for county employment;
6. Complete required health screenings;
7. Fulfill work commitment upon graduation; students sign a contract to render one year of continuous and satisfactory full-time employment in a public child welfare agency;
8. Students must reimburse CalSWEC if they are unable to successfully complete any of the program requirements.

---

**Graduate Programs**

**Master of Social Work**

The School of Social Work offers a professional program culminating in a Master's degree in Social Work. Our goal is to prepare students to enter professional, multicultural social work practice. Students learn to practice as professional social workers with persons and groups representing the range of human diversity and with all size systems (individuals, families, groups, communities and institutions). In addition, students are prepared for advanced, specialized practice in concentrations representing Children, Youth and Families or Older Adults and Families.

The MSW Program emphasizes ecological and systems perspectives which focus on the fit and interactions of a person or system in relation to the various environments likely to be encountered. Within these perspectives, knowledge, values, and skills are used in a change-oriented process within a multicultural context to help individuals and social systems achieve improved quality of life and social participation, including advocacy for just institutions and equitable access to opportunities and resources.

In addition to the mission noted above, the MSW Program provides an educational experience which does the following:

1. Provides knowledge of and experience with ethnic diversity, teaches skill in ethnic-sensitive practice, and provides motivation and skill to combat oppressive policies and discrimination. As such, the program actively offers opportunity for graduate education to students of various ethnic, racial, and socio-economic backgrounds who have life experience in bridging cultural gaps;
2. Contributes to the quality of social services delivered in the adjacent communities (Los Angeles, Ventura, San Bernardino, Riverside, and Orange Counties) by providing an opportunity for advanced education to students who are already employed in the social services. These students may concurrently maintain employment within the social services and participate in the program to develop advanced skills in their area. Quality of services is also enhanced through close collaboration between the School of Social Work and community service agencies offering fieldwork experiences and through the labor force of MSWs educated in a program with multicultural emphasis and specializations which reflect the needs of our adjacent community as well as the needs of urban communities nationally;
3. Prepares social workers for leadership and specialized practice with a specific population group. The program maintains high standards and prepares social workers for the depth and complexity of generalist social work practice while being able to practice in a chosen area of concentration. Foundation knowledge, values, and skills required for intervention in a multicultural context are applied and developed through work within the area of specialization. Specialization consists of emphasis on a stage of the life cycle: either children, youth, and families or older adults and families. Specialized education is offered concurrently with basic foundation knowledge.
from entry into the program. Students are expected to have experience in the social services upon which to draw after entry into the program;
4. Teaches analytic skills necessary for reflective and autonomous practice and necessary for contribution to the advancement of knowledge. Social workers should be capable of integrating knowledge and practice, should be able to apply grounded, scientific principles to practice, should be capable of conceptualizing practice principles on the basis of their experience, and therefore should be able to contribute to the development of new knowledge;
5. Educates students to the values and ethics of the profession. The social worker is expected to be committed to the value that people should have equal access to resources, services, and opportunities. Social workers should be advocates of humane and responsive service, have regard for the worth and dignity of the individual, and conduct themselves in accordance with the professional code of ethics.

Admission to Master of Social Work (MSW) Program

Students interested in 2-year and 3-year programs are admitted by University Enrollment Services to the MSW Program for the fall semester each year. Prospective students should apply directly to the University and then to the School of Social Work. International students must also apply to the Center for International Education (562) 985-5476. Review of applications by the School begins the first week of October.

School Deadlines

The School of Social Work MSW application deadline is February 1 for the following fall semester. The University application deadline is February 1 for the following fall semester.

Admission Requirements

To be admitted to the MSW Program, applicants must meet the following criteria:
1. Hold a Bachelor’s degree that is grounded in liberal arts, from a university or college of recognized standing and be eligible for admission to graduate status at CSULB.
2. Demonstrate satisfactory academic achievement as evidenced by a cumulative undergraduate GPA of 2.8 or above on a 4.0 scale.
3. Completion of a prerequisite course in elementary statistics with a "C" or better.
4. Completion of the School’s application which requires inclusion of:
   • Elementary Statistics prerequisite syllabus
   • three reference letters (a combination of academic and professional)
   • a summary of volunteer experience, work experience, and educational background
   • a personal statement
Applications that do not contain the above materials are considered to be incomplete, and will not be assessed for admissions decisions. Moreover, applications must be fully packaged by the applicant when submitted.
5. Preadmission interviews may be required by the School faculty.

Admission to MSW Advanced Standing Program

Students who have a 3.0 GPA and a BASW degree may be conditionally accepted to the MSW Advanced Standing Program. Upon successful completion of an intensive Summer Bridge Module (see below), the core content from the 1st year of the traditional MSW Program (or 30 units) will be waived and students will be Advanced to Candidacy to begin year two of the traditional MSW Program curriculum.

Admissions Criteria for Advanced Standing

In addition to the School’s basic application procedures as well as University application procedures, the following are requirements for all Advanced Standing applicants:
• Graduation, within the last 5 years, from an undergraduate Social Work program that is accredited by the Council on Social Work Education at the time of the applicant’s graduation.
• Applicants must have a cumulative 3.0 (on a 4.0 scale) grade point average for all undergraduate work.
• Provisional acceptance for persons currently enrolled in BASW/BSW programs is contingent on the successful completion of that program plus submission of a reference letter from an applicant’s current field instructor, as well as a reference letter from the applicant’s program advisor or a professor who taught one of the required courses during the senior year (two of three required references).
• All acceptances to the Advanced Standing Program are conditional until University Enrollment Services admits a student and all Summer Bridge modules have been successfully completed.

Waiver of the First Year Core: Common Body of Knowledge

The Master of Social Work degree is based upon a common body of knowledge. Students with a Bachelor’s degree in social work from this University, or from other CSWE accredited undergraduate social work programs, within the last five years, will have met much of the First Year Core requirements. Students’ transcripts are reviewed for completion of the necessary coursework for mastery of the common body of knowledge. A 3.0 GPA in the undergraduate social work courses is required.

Waivers of the First Year Core (30 units) are based upon previous educational background at the undergraduate level and upon completion of Summer Bridge courses and field placement in this School of Social Work. Summer Bridge courses will include modules from each of the program sequences: research, practice, human behavior and social policy. Summer Bridge fieldwork placement will include 160 hours (16 hours per week). Students, therefore, have a provisional admission to the School until they have successfully completed the summer program. When they successfully complete the Summer Bridge courses and field placement, they receive the Waiver of the First Year Core and enter the second year of the MSW Program in the Fall semester. Students are immediately Advanced to Candidacy upon receiving a Waiver of the First Year Core. The courses that are waived as the First Year Core are: SW 500, 503A, 503B, 505, 560 or 561, 592, 594A, 594B, 596A, and 596B.

Students, for whom the First Year Core is waived, are not eligible to apply for the Geriatric Social Work Education Consortium or Inter-University Consortium stipend.
MSW Program Requirements

Advancement to Candidacy

A conditionally classified or fully classified student must maintain a minimum GPA of 3.0 on all courses taken subsequent to admission. In addition, a GPA of 3.0 must be maintained in all courses required for the degree. A student will be eligible for advancement to candidacy for the degree after successfully completing 6 units of graduate level courses in Social Work.

All students must demonstrate competency in writing skills. Students must attempt to fulfill the Graduation Writing Assessment Requirement (GWAR) in the first semester of residence in the MSW Program or score at least a “4” on the GRE Writing Assessment. Either the GWAR or the GRE Writing Assessment must be passed to advance to candidacy.

Course Load

The California State University, Long Beach requirement for full-time status as a graduate student is 9 weighted units. Students in the three-year MSW Program must take at least 4 semesters of at least 3 courses or 9 units. Students who wish to complete the MSW degree in 2 years must take an overload of 6 units for 4 semesters or 15 units a semester.

Academic Units

The Master of Social Work program requires the completion of 60 semester units. Fifty-four units of required courses and 6 units of scheduled School electives must be taken to complete a concentration. For IUC, CalSWEC and PPS credential students, 3 of these 6 units will be a specific required elective (refer to those sections for more information).

Sequence of Required Courses

The MSW Program is taken in one of the four following sequences:

Plan A: (two years)

Term 1 – SW 500, 503A, 505, 594A, 596A (Fall)
Term 2 – SW 560 or 561, 592, 594B, 596B, 503B (Spring)
Term 3 – SW 660 or 661, 680A, 693, 698A, 500/600 level elective (Fall)
Term 4 – SW 670, 680B, 681 or 682, 699A, 500/600 level elective (Spring)

Plan B: Advanced Standing

Summer Bridge Module includes:
Fieldwork – 16 hours per week for 10 weeks (160 hours total) plus 2 hours of seminar per week
Human Behavior
Social Policy
Research
Practice
Technology
Second Year Coursework:
SW 660 or 661, 680A, 693, 698A, 500/600 level elective (Fall)
SW 670, 680B, 681 or 682, 699A, 500/600 level elective (Spring)

Plan C: (three years)

Term 1 – SW 503A, 505 (Fall)
Term 2 – SW 503B, 592, 500/600 level elective (Spring)
Term 3 – SW 693, 594A (Summer)
Term 4 – SW 596A, 500 (Fall)
Term 5 – SW 596B, 560 or 561, 594B (Spring)
Term 6 – SW 698A, 500/600 level elective (Summer)
Term 7 – SW 680A, 660 or 661, 699A (Fall)
Term 8 – SW 680B, 670, 681 or 682 (Spring)

Distance Education CYF Plan: (three years)

Term 1 – SW 503A, 505 (Fall)
Term 2 – SW 503B, 592 (Spring)
Term 3 – SW 693, 594A (Summer)
Term 4 – SW 596A, 500, 500/600 level elective (Fall)
Term 5 – SW 596B, 560, 594B (Spring)
Term 6 – SW 698A, 500/600 level elective (Summer)
Term 7 – SW 680A, 660, 699A (Fall)
Term 8 – SW 680B, 670, 681 (Spring)

Concentrations

The Master of Social Work degree offers opportunity for study in two areas of concentration: Children, Youth and Families or Older Adults and Families. The concentrations reflect two major areas of social concern and programs in our society.

The Children, Youth and Families (CYF) Concentration

The Children, Youth and Families (CYF) concentration prepares students for practice in a variety of settings. Students experience one year of placement in a generalist direct practice setting and may select either a direct practice or administrative practice setting for their second year.

Fieldwork placements are available in a variety of agencies in the surrounding five-county area, including public, private and non-profit agencies. Typical settings include child welfare/protective services, health care, mental health, public social services, schools, community-based outpatient agencies, corrections/juvenile justice, residential treatment, programs for persons with developmental disabilities, substance abuse treatment and other specialized programs.

Distance Education

The Children, Youth and Families Concentration (CYF) is also offered at off-campus locations throughout the state. Current distance education sites are in the Sonoma County and Ventura County areas. Courses are taught using face-to-face instruction, as well as interactive television and web-based instructional support. The distance education MSW is offered using a 3-year model. Students attend courses on Saturdays and complete fieldwork requirements during the second and third years of the program.

Required Courses for CYF Concentration

SW 500 Foundations Generalist Social Work Practice (3)
Corequisites: SW 596A.
SW 503A Human Behavior and Environment in Multicultural Perspectives: Prenatal through Adolescence (3)
Prerequisites: None.
SW 503B Human Behavior and Environment in Multicultural Perspectives: Young Adulthood through Old Age (3)
Prerequisites: SW 503A.
The Older Adults and Families (OAF) Concentration

The Older Adults and Families (OAF) concentration prepares students for practice in the delivery of social services to older adults and their families, in the planning and evaluation of social services and in administration of services and policy development. Students experience one year of placement in a generalist direct practice setting and may select either a direct practice or administrative practice setting for their second year.

Fieldwork placements are available in a variety of agencies in the surrounding five-county area including public, private and non-profit agencies. Typical settings include health care, adult protective services, mental health, community-based outpatient agencies, rehabilitation, programs for the developmentally disabled, substance abuse treatment, senior programs and other specialty services.

Required Courses for OAF Concentration

SW 500 Foundations Generalist Social Work Practice (3)
Corequisites: SW 596A.

SW 503A Human Behavior and Environment in Multicultural Perspectives: Prenatal through Adolescence (3)
Prerequisites: None.

SW 503B Human Behavior and Environment in Multicultural Perspectives: Young Adulthood through Old Age (3)
Prerequisites: SW 503A.

SW 505 Oppressed Groups (3)
Prerequisites: None.

SW 561 Direct Intervention with Individuals and Families: Older Adults and Families (3)
Prerequisites: SW 500, and 596A. Corequisites: SW 596B.

SW 592 Community Projects I (3)
Prerequisites: None.

SW 594A Research Methods I (3)
Prerequisites: None.

SW 594B Research Methods II (3)
Prerequisites: SW 594A.

SW 596A Field Instruction I (3)
Prerequisites: SW 500.

SW 596B Field Instruction II (3)
Prerequisites: SW 500, and 596A. Corequisites: SW 560 or 561.

SW 660 Direct Intervention with Groups: Focus on Children, Youth and Families (3)
Prerequisites: SW 560. Corequisites: SW 680A.

SW 670 Social Work Administration (3)
Prerequisites: SW 500, 560 or 561, 596A/B, 660 or 661. Corequisites: SW 680B.

SW 680A Field Instruction III (3)
Prerequisites: SW 500, 560 or 561, 596A/B. Corequisites: SW 660 or 661.

SW 680B Field Instruction IV (3)
Prerequisites: SW 500, 560 or 561, 596A/B, 680A, 660 or 661. Corequisites: SW 670.

SW 681 Advanced Policy Seminar: Children, Youth and Families (3)
Prerequisites: SW 505.

SW 693 Community Projects II (3)
Prerequisites: SW 592.

SW 698A Thesis or Project I (3)
Prerequisites: SW 594A, 594B. Completion of 30 MSW units with a minimum cumulative GPA of 3.0, and advancement to candidacy.

SW 699A Thesis or Project II (3)
Prerequisites: SW 686A.

Two Elective Courses (3,3)

Community Mental Health Specialization

The goal of the Community Mental Health Specialization is to help decrease statewide workforce shortages and meet the State of California’s need for competent mental health graduate-level social workers who are trained to work with diverse client systems at every service level. Participants in this Community Mental Health Specialization will be qualified for direct practice and/or administrative positions in community mental health agencies and organizations in the public mental health sector, thus strengthening their career possibilities.

This specialization is available to students in both the Children, Youth and Families (CYF) and Older Adults and Families (OAF) concentrations and is specifically designed for graduate social work (MSW) students within these established concentrations as it offers advanced training in multicultural practice with mental health issues and practice (micro, mezzo and macro) across the lifespan. The Community Mental Health Specialization draws from the existing curriculum and expands it to include the 2nd year
field internship experience in a community mental health setting, the Thesis/Project with a mental/health focus, and a requirement that both electives have a mental health focus as well as additional skill building workshops.

Students in this specialization will be required to: (a) take SW 677 "Social Work Practice in Mental Health" as this course covers the Recovery Paradigm as it applies to community mental health services and consumer-driven/focused services as required by the California Mental Health Services Act (MHSA); (b) take a second mental health-focused elective of their choice; (c) have a mental health focus in their thesis or project; (d) complete a mental health field internship in their second year of field work, and (e) attend additional skill building workshops where they can further develop specific mental health practice competencies.

Field Education

The fieldwork sequence has an integral role in the MSW curriculum. The experience offers an opportunity for students to integrate and apply theoretical knowledge and social work practice and intervention skills in a community agency setting under the supervision of a qualified field instructor. A variety of agencies within the surrounding counties are utilized, reflecting the diverse settings in which social workers are employed. University field faculty select the most appropriate field placement site for students.

Each student has two fieldwork placements and concurrent enrollment in practice courses during the course of study. Each placement involves 500 hours of fieldwork in a community agency setting and attendance and participation in a fieldwork seminar that meets weekly on campus. The fieldwork sequence encompasses a total of 1000 hours, for which 12 units of academic credit are given. The academic year schedule begins in September and continues through mid May. Fieldwork includes attendance in a field seminar as well as internship in the community. Students complete 16 hours per week. This must include either two 8-hour weekdays or one 8-hour weekend and two 4-hour weekday blocks. No weekend placements are available. Students admitted to the Advanced Standing program complete one fieldwork placement for a total of 660 hours.

Students who are employed in social service agencies may request that their agency be evaluated as a site for fieldwork placement for a total of 660 hours. University field faculty select the most appropriate field placement site for students.

The School of Social Work will reject an applicant or time applicants must provide a letter of support from their agency administrator/director. Financial support for admitted students will include: tuition and fees, book costs and a travel allowance.

The CalSWEC Mental Health stipend program is for graduate students who are interested in pursuing a social work career in the child welfare field. This program is only available to students admitted into the Children, Youth and Families Concentration of the MSW Program. Interested candidates must complete an application process.

Full-Time CalSWEC Child Welfare Stipend Program

The stipends provide for two years of support for students enrolled in the full-time model of the MSW Program. The student signs a contract to secure full-time employment in a public child welfare agency for two years post graduation but is expected to remain in public child welfare employment for longer than this minimum period.

Once accepted into the program, students must undergo pre-screening for county employment including fingerprinting, as well as psychological and/or medical exams and participation in the criminal clearance process.

Part-Time CalSWEC Child Welfare Stipend Program

Students eligible to apply for the part-time CalSWEC reimbursement program must be employees of the State or County Social Services department that provides the child welfare or assistance benefits eligibility functions. All part-time applicants must provide a letter of support from their agency administrator/director. Financial support for admitted students will include: tuition and fees, book costs and a travel allowance.

The stipends provide for two years of full-time employment in their home public child welfare agency after graduation.

Requirements for CalSWEC Child Welfare Stipend Program (Full-time and Part-time)

Students participating in the program must meet all of the following criteria:

- Complete and graduate from the MSW Program in the Children, Youth and Families Concentration
- Maintain a "B" (3.0) average
- Have a valid drivers license, current automobile insurance, and secure the use of a car as required by fieldwork
- Complete a thesis or project with a focus on Child Welfare population, issue area or service delivery systems
- Take all of the required classes, including child welfare field internship placement, child welfare elective and participation in selected workshops or annual seminars on issues related to child welfare

Students must reimburse CalSWEC if they are unable to successfully complete any of the program requirements.

CalSWEC Mental Health Stipend Program

The CalSWEC Mental Health stipend program is for graduate students who are interested in pursuing a social work career in the mental health field and are willing to make a commitment to work full-time in a California county mental health agency or a county contracted agency after they have received their MSW degrees. Interested candidates must complete an application process.
Requirements for CalSWEC Mental Health Stipend Program
Students participating in the program must meet all of the following criteria:

- Sign a contract to work full-time in a California county mental health agency or a county contracted agency for a minimum of one year immediately after graduation
- Complete and graduate from the MSW Program at CSULB within the required timelines established for each program model
- Take all of the required courses, including mental health field internship placements, the approved mental health elective, and participation in selected workshops or annual seminars on issues related to mental health and research
- Complete a thesis or project focused on a mental health topic that is concentration specific (either CYF or OAF)
- Maintain a “B” (3.0) average
- Receive a security clearance/livescan to work in a California county mental health agency or a county contracted agency

Students must reimburse CalSWEC if they are unable to successfully complete any of the program requirements.

Inter-University Consortium

The Inter-University Consortium (IUC) is a specialized training program in public child welfare available in the MSW Program. The Inter-University Consortium/Department of Children and Family Services (IUC/DCFS) Training Project is a collaborative endeavor between the Los Angeles County DCFS and the graduate programs of social work at CSULB, UCLA, USC, CSULA, CSUN and CSUDH. The overall goal of this collaborative project is to increase the professional skills and knowledge of Los Angeles County public child welfare workers.

The IUC project at CSULB is designed to prepare social work student interns in the most innovative and current programs at the South County DCFS Office. It is our intention at CSULB, to prepare future leaders in public child welfare. Our approach is founded on the Social Ecology Model, the California Redesign and the objectives of AB636. Students will experience (parallel process with their assigned cases) moving from entry to exit through child welfare services. CSULB’s innovative project emphasizes the front end of child welfare services, working effectively with children and families in their communities to achieve safety, well-being and families to last a lifetime. CSULB’s IUC/DCFS Project also offers student interns a unique and valuable opportunity to learn and practice the Kinship Caregiver’s Model and to co-lead a child’s group in a community public school as part of our emphasis in working with children and families in their community.

The stipends are available for one year for students enrolled in the two-year or three-year MSW Program. Students may apply for either the first or second year of field placement. This program is only available to students admitted into the Children, Youth and Families Concentration. Students who work at DCFS or are currently (or have been) CalSWEC students are not eligible. Interested candidates must complete an application process.

Requirements for Inter-University Consortium (IUC)

Students accepted into the program must:

- Sign a contract to secure full-time employment with the Los Angeles County Department of Children and Family Services for one year post graduation but is expected to remain in public child welfare employment for longer than this minimum period
- Have a valid driver’s license, current automobile insurance, and secure the use of a car as required by fieldwork
- Complete pre-screening for county employment including livescan and DCFS physical and psychological examinations
- Complete one year of fieldwork in the IUC/DCFS placement
- Complete the designated specialty child welfare curriculum which includes:
  1. SW 643 – Social Work Practice within Child Welfare Services (3)
  2. SW 698A/699A – MSW Thesis or Project (6)
     (IUC Students’ theses must focus on a child welfare population, issue area, or service delivery systems)
- Complete designated specialized training seminars
- Complete and graduate from the MSW Program at CSULB within the required timelines established for each program model

Students are responsible for payback of the stipend if they are unable to successfully complete any of the requirements of the program.

Geriatric Social Work Education Consortium

The John A. Hartford Foundation awarded a 3 year grant to support the development of geriatric field practicum sites. The grant funded an alliance of all of the social work graduate schools and four geriatric service providers in the greater Los Angeles area. This consortium was created and sponsored by the Partners in Care Foundation with the goal of enhancing the quality of life for the elderly.

The program continues with new funding and stipends are provided to MSW students in the Older Adults and Families concentration. Information regarding this program is presented to students in the field orientation and applications are made available.


The California Commission on Teacher Credentialing issues the Pupil Personnel Services Credential (PPSC). The School of Social Work, in collaboration with the College of Education, offers the combined School Social Work and Child Welfare and Attendance Specializations of the PPS Credential within the context of the Master of Social Work (MSW) degree. The PPS Credential in School Social Work and Child Welfare and Attendance authorizes the holder to be employed in the State of California as a School Social Worker and/or a Child Welfare and Attendance Specialist. The credential covers pre-kindergarten through 12th grade in public and other schools requiring the credential.
Requirements for the Pupil Personnel Services Credential (PPSC)

- Successful completion of all of the requirements for the 60 unit Master of Social Work (MSW) degree within the Children, Youth and Families Concentration.
- Completion of SW 665 “School Social Work” as one of the required electives within the 60 unit MSW Program, taken either prior to or concurrently with school social work fieldwork placement
- Successful completion of required School Social Work PPSC seminars covering specialized topics
- Demonstrated knowledge in the following areas of pupil personnel services, as defined in the Commission on Teacher Credentialing Standards: techniques for facilitating individual growth and development to achieve academic success; socio-cultural influences that affect pupils in a school setting; problem prevention and early intervention; consultation services; learning theory and psychological education; coordination and development of services; legal enablements and constraints; referral and utilization of services; human assessment as direct services to pupils; social interventions; consultation coordination and development of services; referral, utilization, involvement and use of community resources; social research and services based on research; code of professional ethics; attendance laws and the rights of minors; and skills using attendance laws and assessment skills
- Successful completion of 600 clock hours of field practice in the second year of field, demonstrating all of the required skills and knowledge areas, in an approved PPSC site, under the supervision of an experienced MSW level practitioner who holds a PPS Credential in school social work. Supervised hours of field practice will include at least 100 hours in each of two settings (elementary, middle and/or high school), offer experience in service delivery with populations representing ethnic diversity, and cover both school social work and child welfare and attendance competencies and standards.
- Completion of required application and forms from California Commission on Teacher Credentialing, including fingerprints, and a Certificate of Clearance
- Completion of required health screenings
- Successful performance on C-BEST Examination
- Certification of program completion and demonstrated competence by the PPSC Program Coordinator in the School of Social Work

Courses (S W)

LOWER DIVISION

220. Introduction to Social Welfare (3)
Prerequisite: GE Foundation requirements.
Offers an understanding of social welfare, and the knowledge, values, and skills essential to social work practice. It examines historical and philosophical perspectives including cultural, economic, political, and social forces.

221. Introduction to Social Welfare Practicum (3)
Prerequisite: Consent of instructor. Corequisite: SW 220.
Lecture classes and visiting and observing approved social service agencies and allied activities.
Open to social work majors only. Credit/No Credit grading only.

UPPER DIVISION

General Education Category A must be completed prior to taking any upper division course except upper division language courses where students meet formal prerequisites and/or competency equivalent for advanced study.

330. Human Behavior and Social Environment: Birth through Adolescence (3)
Prerequisites: GE Foundation requirements.
Multi-dimensional development from conception through adolescence is explored by examining expectations, resources and barriers presented by mainstream society. Influences of culture, ethnicity, family systems, socioeconomic status, sexism and racism are assessed for their impact on healthy child development.
Letter grade only (A-F).

331. Human Behavior and Social Environment: Young Adulthood through Old Age (3)
Prerequisites: GE Foundation requirements.
Multi-dimensional development in adulthood is explored by examining expectations, resources and barriers presented by mainstream society. Influences of culture, ethnicity, family systems, socioeconomic status, sexism and racism are assessed for their impact on healthy adult development.
Letter grade only (A-F).

340. Generalist Social Work Practice (3)
Prerequisites: SW 220, 221, 330, 350. Corequisite: SW 341.
Social work practice as a helping process with all size systems. Social work knowledge, ethics, values, principles, professional relationships, interviewing and beginning assessment and intervention phases are examined. The activities of the social worker in resolution of psychosocial problems.
Open to social work majors only. Letter grade only (A-F).

341. Social Work Practicum (3)
Corequisite: SW 331, 340, and 351. Supervised practicum in an applied social service agency or allied setting for a minimum of 80 hours (8 hours per week for 10 weeks).
Social work field practice includes interviewing, assessment, and intervention activities.
Credit/No Credit grading only. Open to social work majors only. Not open for credit to students with credit in SW 340A.

350. Social Policy: Law and Court Decisions (3)
Prerequisite: GE Foundation requirements.
Social policy as defined in legislation and judicial decisions affecting the rights of individual families, minorities, and the general welfare.
Letter grade only (A-F).

351. Social Policy: Formulation and Analysis (3)
Prerequisites: GE Foundation requirements.
Policy formulation and analysis related to social welfare institutions and major social welfare policies and programs. Current values and issues in social welfare policy.
Letter grade only (A-F).

406A. Applications of Social Work with Older Adults (3)
Prerequisite: Consent of instructor and upper division standing.
Provides an intergenerational service learning experience.
Students learn about the bio-psycho-social dimensions of the aging process and group work. This knowledge is applied by students when they co-facilitate weekly discussion support groups with older adults in independent living communities.
Letter grade only (A-F).
440. Generalist Social Work Practice with Groups (3)
Prerequisites: SW 331, 340, 341. Corequisite: SW 495A.
Adaptation of generalist frameworks of social work practice to
generalist group approaches. Analysis of dynamics, theories, and
principles underlying group practice. Programs, practice techniques,
and roles involved with groups.
Open to social work majors only. Letter grade only (A-F).

441. Generalist Social Work Practice with Communities and
Institutions (3)
Prerequisites: SW 331, 340, 341, 351. Corequisite: SW 495B.
Adaptation of generalist frameworks of social work practice to
generalist approaches to community and institutional applications.
Analysis of theories and principles underlying community
practice. Adaptation of theories and activities to organizational
contexts. Techniques and activities applicable to communities and
neighborhoods.
Open to social work majors only. Letter grade only (A-F).

442. Generalist Social Work Practice with Individuals and
Families (3)
Prerequisites: SW 331, 340, 341. Corequisite: SW 495A.
Adaptation of generalist frameworks of social work practice to
generalist practice with individuals and families. Theories, techniques,
activities, and role of social workers; differential approaches to study,
assessment, intervention, and helping processes.
Open to social work majors only. Letter grade only (A-F).

460. Research Methods in Social Work (3)
Prerequisites: SW 440 and 442 and one course in elementary
statistics. Corequisite: SW 441, 445 and 495B.
Introduction to research methods in social work with an emphasis on
the evaluation of social work interventions and agency programs.
Open to social work majors only. Letter grade only (A-F).

490. Selected Topics in Social Work (1-4)
Open to social work majors only.
Topics of special interest in social work for intensive study.
Letter grade only (A-F). May be repeated to a maximum of 4 units
with different topics. Topics announced in the Schedule of Classes.

495A. Field Experience in Social Work (7)
Prerequisites: SW 330, 331, 340, 341, 350, 351. Corequisite: SW 440
and SW 442.
Open to senior social work majors only. First of two semesters with
supervised practice in social work agency.
Two hours weekly field seminar on campus and 16 hours in
internship. Credit/No Credit grading only.

495B. Field Experience in Social Work (7)
Prerequisites: SW 442 and 495A. Corequisite: Enrollment in two of
the following: SW 440, 441, and 465.
Open to senior social work majors only. Second of two semesters
with supervised practice in social work agency.
Two hours weekly field seminar on campus and 16 hours in
internship. Credit/No Credit grading only.

499. Directed Studies (1-3)
Prerequisite: Consent of instructor.
Independent study of special topics under supervision of a faculty
member.
Open to social work majors only. Letter grade only (A-F).

GRADUATE LEVEL

500. Foundations for Generalist and Multicultural Social
Work Practice (3)
Corequisites: SW 596A.
Provides knowledge and skills for generalist, multicultural practice
with all size systems, from ecological perspective. Implementation
of principles, ethics, values, professional relationships, interviewing/
communication skills and tasks of the initial, assessment and
intervention phases, including examining multicultural differences
and expectations.
Letter grade only (A-F).

503A. Human Behavior and Environment in Multicultural
Perspectives: Focus on Pre-Adolescence Through Adolescence (3)
Reviews key theoretical frameworks (including psychological,
bio-psycho-social, cognitive, systems, learning and role theories) for
their clinical application to assessment, diagnosis and treatment of
children and families. Focus is on the impact of poverty and socio-
cultural factors in child development.
Letter grade only (A-F).

503B. Human Behavior and Environment in Multicultural
Perspectives: Focus on Young Adulthood Through Old Age (3)
Prerequisite: SW 503A.
Reviews key theoretical frameworks (including psychological,
bio-psycho-social, cognitive, systems, learning and role theories) for
clinical application to assessment, diagnosis and treatment of adults
and families. Focus is on the impact of poverty and socio-cultural
factors in adult development.
Letter grade only (A-F).

504. Oppressed Groups: Social Policy Analysis (3)
Analyzes the historical, economic and political factors underlying the
United States social welfare system. The impact of current policies
on oppressed groups will be examined.
Letter grade only (A-F).

560. Direct Intervention with Individuals and Families:
Focus on Children, Youth and Families (3)
Prerequisites: SW 500 and 596A. Corequisite: SW 596B.
Focuses on practice related to interpersonal interaction with
children, youth, family and adults. Emphasizes implementation of
psychosocial study, assessment and intervention from multicultural
perspectives. Cognitive-behavioral, family systems, psychosocial and
crisis intervention/brief therapy approaches are examined using an
dependent framework.
Letter grade only (A-F).

561. Direct Intervention with Individuals and Families:
Focus on Older Adults and Families (3)
Prerequisites: SW 500, and 596A. Corequisite: SW 596B.
Examination of varied practice strategies in depth. Behavioral,
cognitive, humanistic, psychosocial and psychodynamic models
viewed in relation to the ecological systems and multicultural
perspectives. Focuses on assessment through termination phases of
the helping process.
Letter grade only (A-F).

590. Selected Topics in Social Work (3)
Prerequisite: Consent of instructor.
Letter grade only (A-F). May be repeated to a maximum of 6 units
for majors and 9 units for non-majors with different topics. Topics
announced in the Schedule of Classes.

591. Diagnosis and Treatment in Clinical Practice with
Older Adults (3)
Prerequisites: Graduate standing.
Introduces the theory and application of clinical interventions with
older adults. Within the eco-systems framework and multicultural
perspective, emphasis is placed on understanding life problems
and mental disorders, on developing skills in assessment and
diagnosis, and treatment.
Letter grade only (A-F).

592. Community Projects I (3)
Acquisition and application of macro practice skills to community
problems. Includes history and methods, relationship between
professional values and ethical dimensions of community practice,
socio-political determinants of community problems, macro practice theory and models. Implications for culturally diverse, impoverished communities.

Letter grade only (A-F).

594A. Research Methods in Social Work I (3)

An introduction to research methods, including conceptualization of research problems, designs, sampling, measurement, and data collection. The emphases are on building skills for conducting multiculturally focused research and evaluating findings critically.

Not open for credit to students with credit in SW 594. Letter grade only (A-F).

594B. Research Methods in Social Work II (3)

Prerequisite: SW 594A.

Continuation of research methods, including qualitative and quantitative data analysis, program evaluation, grant writing, and preparation of reports for dissemination. There are continued emphases on the ability to conduct multiculturally focused research and evaluate findings critically.

Not open for credit to students with credit in SW 550. Letter grade only (A-F).

596A. Field Instruction I (3)

Corequisite: SW 500.

First of two semesters with supervised practice in social work agency. Develops basic skills with individuals, families, groups and communities, emphasizing multi-cultural practice. Two hours weekly field seminar on campus and 16 hours in agency placement.

Credit/No Credit grading only.

596B. Field Instruction II (3)

Prerequisites: SW 500, and 596A. Corequisite: SW 560 or 561.

Second of two semesters with supervised practice in social work agency. Develops basic skills with individuals, families, groups and communities, emphasizing multi-cultural practice. Two hours weekly field seminar on campus and 16 hours internship.

Credit/No Credit grading only.

599. Independent Study (1-3)

Prerequisites: Consent of School and instructor.

Independent study of special topics under supervision of a faculty member.

May be repeated to a maximum of 6 units. Letter grade only (A-F).

642. Mental Health and the Older Adult: A Multi-Cultural Perspective (3)

Focuses on a broad-based selection of demographic, psychological and social issues concerned with the older person and their families. Topics will be described and analyzed from preventive, clinical and cross-cultural perspectives.

Letter grade only (A-F).

643. Social Work Practice within Child Welfare Services (3)

Prerequisite: SW 503A.

Child protective policies and practices, including adoption, family preservation, family foster care, kinship care, group/residential care, independent living, risk assessment. Accomplishments and controversies in service delivery, integrating multi-cultural practice and federally mandated outcomes related to child safety, well-being and permanency.

Letter grade only (A-F).

660. Direct Intervention with Groups: Focus on Children, Youth and Families (3)

Prerequisites: SW 560. Corequisite: SW 680A.

Teaching of advanced specialized skills needed to work with groups, emphasizing work with children, youth, and families. Focuses on clinical work with groups with special emphasis on eco-systems and multi-cultural perspectives.

Letter grade only (A-F).

661. Direct Intervention with Groups: Focus on Older Adults and Families (3)

Prerequisites: SW 561. Corequisite: SW 680A.

Teaching of advanced specialized skills needed to work with groups, emphasizing work with older adults and families. Focuses on clinical work with groups with special emphasis on ecosystems and multi-cultural perspectives.

Letter grade only (A-F).

662. Legal Issues in Social Work Practice (3)

Prerequisite: SW 503A.

Legal aspects concerning children, the family, and aged, abortion and illegitimacy issues, right to treatment, mental health commitment procedures, rights of the elderly, children’s rights, marriage, and divorce are covered. Legal research and resources, legal reasoning, and understanding of court systems.

Letter grade only (A-F).

663. Assessment and Treatment of Alcohol and Substance Use Disorders (3)

Prerequisite: SW 503A.

Focus on clinical and policy issues significant for social work practice with individuals, family systems and the community. Content examines alcohol and substance abuse across diverse populations and the lifespan with a focus on multicultural and strengths-based practice.

Letter grade only (A-F).

665. School Social Work (3)

Prerequisite: SW 503A.

Social work practice in school-community-pupil relations. Attention to the school as a social institution. Services in schools as a specialized field of social work practice; models of practice; social work roles; and target groups of children.

Letter grade only (A-F).

670. Social Work Administration (3)

Prerequisites: SW 500, 560 or 561, 596A/B, 660 or 661. Corequisite: SW 680B.

Examines foundation for organizational leadership and problem solving, using theories of organizational behavior and management. Frameworks for governance, planning, monitoring, information management, human resources, fiscal responsibility, quality assurance, and community relations. Integration of multi-cultural and gender issues.

Letter grade only (A-F).

674. Clinical Diagnosis and Therapeutic Communication (3)

Prerequisite: SW 503A.

Reviews the major theoretical approaches to social work treatment to teach specific clinical interventions. Students are trained to skillfully and therapeutically intervene with a variety of diagnostic categories. Outcome research will be reviewed and evaluated.

Letter grade only (A-F).

675. Social Work Practice with Death, Dying and Loss (3)

Prerequisite: SW 503A.

Provides an overview of psychological, cultural and professional perspectives related to death and bereavement across the life span. Emotional impact of loss and coping strategies used to promote healing are explored.

Letter grade only (A-F).

677. Social Work Practice in Mental Health (3)

Prerequisite: SW 503A.

Focuses on social, economic and cultural factors as they affect social work practice in the mental health field including the Recovery Paradigm/consumer-focused services in accordance with the California Mental Health Services Act (MHSA).

Letter grade only (A-F).
678. Play Therapy with Children, Adolescents and Their Families (3)
Prerequisites: SW 500 and 503A.
Explores the use of play therapy as a social work practice intervention. Focuses on the modality of play therapy as a means of helping children, adolescents, and their families who are experiencing a variety of psychosocial dilemmas.
Letter grade only (A-F).

680A. Field Instruction III (3)
Prerequisites: SW 500, 560 or 561, 596A/B. Corequisite: SW 660 or 661.
First of two semesters with supervised practice in social work agency. Focus on advanced direct practice skills and administrative program development with emphasis on multi-cultural practice.
Two hours bi-weekly in field seminar and 16 hours in agency placement. Credit/No Credit grading only.

680B. Field Instruction IV (3)
Prerequisites: SW 500, 560 or 561, 596A/B, 680A, 660 or 661. Corequisite: SW 670.
Second of two semesters with supervised practice in social work agency. Focus on advanced direct practice skills and administrative program development emphasizing multi-cultural practice. Two hours bi-weekly field seminar and 16 hours agency.
Preparation for entering professional employment.
Credit/No Credit grading only.

681. Advanced Policy Seminar: Children, Youth and Families (3)
Prerequisite: SW 505.
Designed to provide students with an advanced understanding of key issues, concepts, and skills associated with policy analysis, the development of policy alternatives, and political action on behalf of families and children in contemporary American society.
Letter grade only (A-F).

682. Advanced Policy Seminar: Older Adults and Families (3)
Prerequisite: SW 505.
Provides students with an advanced understanding of key issues, concepts, and skills associated with policy analysis, the development of policy alternatives, and political action on behalf of older adults and their families in contemporary American society.
Letter grade only (A-F).

683. Brief Treatment (3)
Prerequisite: SW 503A.
Covers the methodologies used in brief and/or time limited psychotherapy. Reviews the major forms of time-limited clinical treatment. Reviews the ethnic, gender and other-sensitivity issues related to the use of brief treatment and the empirical research on this treatment approach.
Letter grade only (A-F).

690. Selected Topics in Graduate Social Work (3)
Prerequisites: Consent of school.
Topics of special interest in social work selected for intensive study.
Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the Schedule of Classes.

691. Non-Violent Conflict Resolution (3)
Prerequisite: SW 503A.
Designed to help the social work student examine conflict and violence, their own and others' responses to conflict situations on the intrapersonal, interpersonal and community levels, and to learn to deal with conflict in a productive, non-violent manner.
Letter grade only (A-F).

692. Spirituality in Social Work Practice (3)
Prerequisite: SW 503A.
Examines issues pertaining to spiritually sensitive social work practice. The rich and diverse forms of spiritual expressions and religious and philosophical ideologies that may be espoused by clients are explored.
Letter grade only (A-F).

693. Community Projects II (3)
Prerequisite: SW 592.
Integrates knowledge of cross-cultural practice, human behavior and research in identifying solutions to social problems. Builds on analysis from Community Projects I. Utilizing planning, program development and program implementation skills/techniques, students develop, implement and evaluate impact of a specific intervention.
Letter grade only (A-F).

698A. Thesis or Project I (3)
Prerequisites: SW 594A, 594B. Completion of 30 MSW units with a minimum cumulative GPA of 3.0, and advancement to candidacy. Under the direction of the Thesis/Project Adviser, the student completes a thesis/project proposal, instruments and IRB protocol (if applicable), and drafts literature review.
Letter grade only (A-F).

699A. Thesis or Project II (3)
Prerequisite: SW 698A.
Finalization of literature review and completion of remaining chapters (typically, introduction, methodology, results, discussion and implications) of thesis/project.
Letter grade only (A-F).
STUDENT RECREATION AND LEADERSHIP
College of Health and Human Services
Department of Kinesiology

Director: Rita Hayes
Office: PE 1, Rm 15
Telephone: 562-985-7351
Website: www.csulb.edu/recsports

Faculty:
Rita Hayes, Director, Club Sports and Recreation
William Harkness, Assistant Director, Club Sports and Recreation
Ken Kelly, Director, Student Transition and Retention Services
Jeff Klaus, Dean of Students/Interim Associate Vice President, Student Services
Glenn McDonald, Director of Intramural Sports
Valerie Bordeaux, Director, University Outreach and School Relations

Introduction
The Kinesiology Department and the Division of Student Services oversee a broad range of educational and student support service programs to assist students in achieving their academic goals and enhancing their personal, intellectual and social development. The division provides oversight and direction for more than 35 university programs and service areas that support students outside the classroom.

Through cooperation between the Department of Kinesiology, Associated Students, Inc. and the Division of Student Services, Student Recreation and Leadership courses are offered to students participating in intramural sports competition, club sports and student leadership.

Open to all students, the intramural program affords students the opportunity to play in 20 different activities. To receive credit for this program, students may enroll in SRL 200. To receive credit for this course, students must play one league activity and assist in supervising a league.

Intramural team activities are scheduled at varied times. League competition is available in 16 of the activities for men, women and co-educational participation. Students enrolled in the class must contact the Intramural Office to sign up for their activities. Upon completion of each activity, the student must notify the Intramural Department located in the Student Recreation and Wellness Center.

Students may participate in any of the club sports activities which are partially funded by the Associated Students, Inc., and administered through the Club Sports and Recreation Office.

Courses (SRL)

200. Intramural Activities (1)
Repeatable credits include previous credits from SAR 200.

210 A-W. Sport Clubs/Leadership (1)
Prerequisite: Participation/competition in sport clubs/leadership. Enrollment subject to consent of instructor or Director of Club Sports and Recreation.

Athletes enrolled who fail to qualify for squad must withdraw from the course. It is the student’s responsibility to contact teams regarding practice times and eligibility requirements.

May be repeated to a maximum of 4 units, including previously earned credits from SAR 210. Credit/No Credit grading only.

A. Archery
B. Crew
D. Ice Hockey
E. Martial Arts
F. Rugby
G. Sailing
H. Ski and Snowboard
I. Soccer
J. Water Ski
L. Leadership
N. Lacrosse
O. Wakeboard and Waterski
P. Paintball
Q. Racquetball
R. Roller Hockey
S. Cultural Dances
T. Ultimate Frisbee
U. Volleyball
V. Running
W. Bowling