

# PSYCHOLOGY

College of Liberal Arts

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## Career Possibilities

Professor • Research Scientist • Research Analyst • Clinical Psychologist • Research Technician • Safety Officer • Laboratory Manager • Market Research • Statistician • Nursing • Human Factors • Counselor • Community Organization Worker • Personnel Analyst • Employment Interviewer • School Psychologist • Sports Psychologist • Career Counselor • Marriage and Family Therapist • Lawyer • Parole and Probation Officer • Teacher • Public Relations Worker • Researcher • Claim Adjuster • Sales Representative • Industrial Psychologist • Vocational Rehabilitation Counselor • Manager Trainee (Some of these, and other careers, require additional education or experience. For more information, see [www.careers.csulb.edu](http://www.careers.csulb.edu).) Various entry-level positions in business and industry are available for graduates regardless of academic discipline.

## Introduction

Please visit our website [www.csulb.edu/psychology](http://www.csulb.edu/psychology). For the Bachelor's degree, select "Undergraduate Program." For the Master of Arts in Psychological Research, Master of Science in Human Factors, and Master of Science in Industrial-Organization Psychology degrees, select "Graduate Programs." For all programs, advising is available year round.

The Master's Programs provide specialized training in three areas: Master of Arts - Psychological Research Program, Master of Science in Human Factors, and the Master of Science in Industrial-Organizational Psychology.

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## Undergraduate Programs

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### Bachelor of Arts in Psychology (120 units)

#### Admission Under Impaction

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

## Learning Goals and Technical Skills

Students who graduate with a major in psychology should have current knowledge of: the major theories in psychology; the methodologies of psychological research and statistical concepts; the biological processes underlying behavior; sensation, perception, information processing and retention; how behaviors develop and change; how internal, environmental, and social factors influence behavior; individual differences in behavior, including those related to gender, ethnicity, and culture; different perspectives on the origin and treatment of abnormal behavior; ethical issues in teaching, research, and the practice of professional psychology.

## Requirements

The psychology curriculum is designed to provide undergraduate students with a broad background in the principles of Psychology.

Lower Division (14 units):

Take all of the following courses:

PSY 100 General Psychology (3)

\* "C" or better required

Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

PSY 110 Introductory Statistics (4)

\* "C" or better required

Prerequisites: Eligible to take a General Education Mathematics course.

PSY 220 Research Methods (4)

\* "C" or better required

Prerequisites: PSY 100, PSY 110, or SOC 170 or HDEV 190

250 with a grade of 'C' or better, and Completion of GE A1 (Written Communication) requirement.

PSY 241 Psychobiology (3)

Prerequisites: PSY 100, GE A1 requirement.

Upper Division:

Take the following course:

PSY 301 Introduction to Psychology as Discipline and Profession (3)

Prerequisites: PSY 100.

Take two courses (6 units) from the following:

PSY 331, PSY 332, PSY 333, PSY 336, PSY 337; PSY 340 or PSY 341 or PSY 342;

Take two courses (6 units) from the following:

PSY 351, PSY 356; PSY 361 or PSY 365;

Take two courses (6 units) from different groups:

1. PSY 354, PSY 362, PSY 363, PSY 370, PSY 383;

2. PSY 310, PSY 314, PSY 315, PSY 359;

3. PSY 327, PSY 346, PSY 373, PSY 375, PSY 378, PSY 381;

Take 6 units of 400-level PSY courses. No more than 3 units from PSY 405, PSY 406A or PSY 406B may be counted in this category. PSY 499 cannot be counted to satisfy this requirement.

Take 6 units of any upper division psychology courses not used to satisfy the requirements above;

Take 6 units of upper division units in American Indian Studies, American Studies, Asian and Asian American Studies, Anthropology, Africana Studies, Chicano and Latino Studies, Communication Studies, Comparative World Literature & Classics, Economics, English, Environmental Science and Policy, Geography, History, Human Development, International Studies, Journalism & Mass Communication, Linguistics, Philosophy, Political Science, Religious Studies, Romance, German and Russian, Social Work, Sociology, Women, Gender and Sexuality Studies. At least 3 units must have an emphasis in contemporary U.S. ethnic studies. A list of acceptable ethnic studies courses may be obtained from the Psychology Resource Office in PSY 206.

The mission of the Psychology Resource Office ( Pro-PSY room 206) is to prepare psychology majors for life after graduation. PRO provides students with guidance to get the most out of their education in order to best achieve their future career goals. Some of our most popular resources include: 1) learning about the department( e.g. what specific courses are like) 2) how to get involved in important activities (e.g., research, internships), 3) finding out about graduate school programs and how to maximize their application's competitiveness, and 4) how to find job opportunities with a Psychology B.A. PRO also provides a one-on-one mentoring program called PALS ( PRO Academic Life Solutions) to assist psychology majors with maximizing their academic success and to explore graduate school/ career goals.

## Honors in Psychology

### Admission Requirements

1. Admission to the major.
2. At least a 3.5 GPA in all Psychology courses.
3. At least a 3.25 overall GPA.
4. Signed contract from a psychology faculty member agreeing to serve as Honors Thesis Chair.
5. Submission of honors application to the Psychology Honors Advisory Committee.
6. Commitment to three semesters in the Honors program

### Requirements

In order to graduate with Honors in Psychology a student must:

1. Complete all regular requirements for the psychology major.
2. Earn minimum 3.5 upper division GPA and minimum 3.5 Psychology GPA by the time of graduation.
3. Complete 4 units in PSY 310: Intermediate Statistics.
4. Complete 3 units in PSY 490H: Special Topics - Honors with a "B" or higher.
5. Complete 3 units in PSY 496H: Research Preparation: Development of a Thesis Proposal with a "B" or higher.
6. Complete 3 units in PSY 498H: Senior Honors Thesis with a "B" or higher.
7. Complete 1 unit in PSY497H: Senior Honors Thesis - Presentation.
8. Complete 3 units in any other 400 level psychology course exclusive of PSY 405, PSY 406 or PSY 499.

## Minor in Psychology

The Minor in Psychology is available to any non-Psychology major. Due to the impacted status of the Psychology Department, students wishing to earn a minor must earn a "C" or better in PSY 100, PSY 110 and PSY 220, prior to taking any other PSY courses that will count toward the minor.

A minimum of 23 units will be required; 9 of which must be upper division.

Take all the following courses:

### PSY 100 General Psychology (3)

Prerequisite/Corequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100, ASAM 100, CHLS 104, ENGL 100S or ALI 150 or ALP 150 or equivalent.

### PSY 110 Introductory Statistics (4)

\* "C" or better required

Prerequisites: Eligible to take a General Education Mathematics course.

### PSY 220 Research Methods (4)

Prerequisites: PSY 100, PSY 110, or SOC 170 or HDEV 190 with a grade of 'C' or better, and Completion of GE A1 (Written Communication) requirement..

### PSY 241 Psychobiology (3)

Prerequisites: PSY 100, GE A1 requirement.

Take 9 upper-division psychology units including at least one course from the following courses: PSY 331, PSY 332, PSY 333; PSY 336, PSY 337; PSY 340 or PSY 341 or PSY 342; and at least one course from PSY 351, PSY 356; PSY 361 or PSY 365; and one upper division Psychology elective.

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## Graduate Programs

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For information about graduate programs go to [www.csulb.edu/psychology](http://www.csulb.edu/psychology), select "Graduate Programs."

The Department offers the following graduate programs: Master of Arts degree in Psychological Research; Master of Science degree, option in Human Factors and option in Industrial/Organizational Psychology. In each option a basic core of courses, including a thesis, is required; however, there is the opportunity for additional work in areas of special interest.

### Admission to Graduate Programs

A department application for admission may be obtained on the Psychology Department web site (go to [www.csulb.edu/psychology](http://www.csulb.edu/psychology), select "Graduate Programs"). Acceptance by the department is contingent upon (a) GPA based on last 60 semester units available at time of application; (b) Graduate Record Examination (GRE) General Test scores; and (c) three letters of recommendation. For entry in the fall semester, all department application materials, including GRE scores and letters of recommendation, must be received by the department Graduate Advisor by December 1 for the Master of Science - Industrial/Organizational option, and January 15 for both the Master of Arts - Psychological Research option and the Master of Science - Human Factors option. A separate application to CSULB must be filed via [www.csumentor.edu](http://www.csumentor.edu) by December 1 for the Industrial/Organizational option, and January 15 for the Psychological

Research and Human Factors options - contact Enrollment Services for transcript deadlines.

### Financial Support

Students accepted into the graduate programs may apply for graduate assistantships (which provide monthly stipends) in Psychology or related departments on campus. Federal Work Study assignments are available in the Department, but must be applied for through the University Financial Aid Office one or two semesters prior to obtaining the assignment; other aid available includes the Graduate Research Fellowship (GRF). One student from the Master of Arts - Psychological Research and the Master of Science - Industrial/Organizational Psychology programs' entering class may be awarded a J. Robert Newman Scholarship. Boeing University Relations Human Factors Graduate Scholarship and NASA University Research Centers Scholarships are offered through the Master of Science - Human Factors program.

## Master of Arts in Psychology

### Option in Psychological Research

This is a 30-unit degree program.

### Prerequisites

All students fulfill the requirements in Item #1 and choose either Item #2 or Item #3.

1. Take 6 units of college level work in chemistry, physics, biology or mathematics as approved by the graduate advisor. No more than 3 of the 6 units may be in approved mathematics courses.
2. A bachelor's degree with a major in psychology that includes:
  - A. Take two courses from different groups:
    1. PSY 331, PSY 332, PSY 333
    2. PSY 336, PSY 337, PSY 378, PSY 379
    3. PSY 340, PSY 341, PSY 342
  - B. Take one course from the following:  
PSY 351, PSY 356, PSY 361, PSY 365
  - C. Take the following course:  
PSY 310 Intermediate Statistics (4)  
Prerequisites: PSY 100, PSY 110.
3. A bachelor's degree with a major other than psychology and 24 units of upper division psychology substantially equivalent to those required for the baccalaureate degree at this university, including:
  - A. Take two courses from different groups:
    1. PSY 331, PSY 332, PSY 333
    2. PSY 336, PSY 337, PSY 378, PSY 379
    3. PSY 340, PSY 341, PSY 342
  - B. Take one of the following courses:  
PSY 351, PSY 356, PSY 361, PSY 363, PSY 365
  - C. Take the following course:  
PSY 310 Intermediate Statistics (4)  
Prerequisites: PSY 100, PSY 110.

### Advancement to Candidacy

Advancement to Candidacy is the next step after achieving classified status and confers catalog rights to graduate students. It also signifies approval of a plan of study by the graduate student's major, department, and

college. Advancement requirements are:

1. Application for Advancement to Candidacy must be completed prior to or concurrent with enrollment in PSY 698 (Thesis).
2. Classified status.
3. An approved program of studies for the Master of Arts, Psychological Research option degree.
4. Fulfillment of the Graduation Writing Assessment Requirement (GWAR).
5. A minimum 3.0 overall GPA and a 3.0 GPA in all units undertaken for the program (at least 6 graduate units).
6. Enrollment in regular session.

### Requirements

1. The student must complete, as a graduate student, 30 units of graduate coursework (501-698), 24 of which must be in Psychology (not including PSY 697) including:
  - A. Take one of the following:  
PSY 511, PSY 512 if PSY 411 or PSY 412 or equivalent not taken as an undergraduate;
  - B. Take the following course during the first semester:  
PSY 596 Proseminar on Graduate Research (3)  
Prerequisites: Admission to MAPR program, consent of instructor; consent of graduate advisor.
  - C. Take the following course (comprehensive exam required) during the second semester:  
PSY 696 Research Methods (3)  
Prerequisites: PSY 411/511 or PSY 412/512, PSY 596, and consent of graduate advisor.
  - D. Take three courses chosen from the following:  
PSY 631, PSY 632, PSY 633, PSY 634, PSY 635, PSY 637, PSY 651, PSY 656, PSY 661 or PSY 678  
(with comprehensive exams in two of the three courses);
  - E. Take the following course:  
PSY 698 Thesis (6)  
Prerequisites: Advancement to candidacy, consent of graduate advisor.
2. With graduate advisor's approval a maximum of 6 units from related areas may be used for 6 of the 30 units.
3. Attendance at six Department Colloquia, four of which must be completed prior to preliminary oral examination, all six must be completed prior to final oral examination.
4. Completion of all requirements as established by the MA Psychological Research Committee.
5. Comprehensive examinations taken in three of the four required graduate seminars, as outlined in 1C and 1D above.
6. A preliminary oral examination on the thesis proposal and a final oral examination in defense of the completed thesis. (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the culminating activity.)

## Student Learning Outcomes

By the end of the M.A. program in psychological research, students will demonstrate that they can:

1. Summarize and critique the psychology literature, particularly within their chosen area of specialization.
2. Use core theories from their area of specialization to guide the development and implementation of research studies.
3. Demonstrate their understanding of the range of basic and applied research designs used to address psychological issues.
4. Demonstrate their understanding of the development of research instruments and indicators of reliability and validity relative to one's area of specialization.
5. Demonstrate their knowledge of the range of analytic techniques that are used in psychology, particularly univariate and multivariate statistical techniques.
6. Communicate both orally and in writing at a level that is appropriate for professionals in their chosen area of specialization.

## Master of Science in Psychology

### Option in Human Factors

#### Prerequisites

1. An undergraduate major in Psychology or in another field with 24 units of upper division psychology. A minimum grade point average of approximately 3.0 for the last 60 semester units (90 quarter units) and for all PSY units.
2. Take all the following courses or their equivalents:
  - PSY 310 Intermediate Statistics (4)  
Prerequisites: PSY 100, PSY 110.
  - PSY 331 Sensation and Perception (3)  
Prerequisites: PSY 100, PSY 220, PSY 241.
  - PSY 332 Human Cognition (3)  
Prerequisites: PSY 100, PSY 220, PSY 241.

Students lacking only PSY 310 may be admitted to the program but must complete the course their first semester in attendance.

#### Advancement to Candidacy

Satisfy the general requirements of the university for advancement to candidacy.

#### Requirements

1. A minimum of 36 units of upper division and graduate work including the following:
  - PSY 511 Statistical Design & Analysis of Experiments (3)  
Prerequisite: PSY 310 or consent of instructor.
  - PSY 518 Computer Applications in Psychology (3)  
Prerequisites: PSY 310 or equivalent or consent of instructor.
  - PSY 527 Human Factors (3)  
Prerequisites: PSY 310 and two of the following: PSY 331, 332 or 333.
  - PSY 627 Human Factors' Methods (3)  
Prerequisite: PSY 527 or consent of instructor.
  - PSY 633 Seminar in Perception and Attention (3)  
Prerequisites: PSY 331 or PSY 332 or consent of instructor; consent of graduate advisor.
  - PSY 635 Seminar on Situation Awareness (3)  
Prerequisites: PSY 331 or PSY 332 or consent of instructor or/ and consent of graduate advisor.

PSY 698 Thesis (1-6)

Prerequisites: Advancement to candidacy, consent of graduate advisor.

MAE 508 Systems Engineering and Integration (3)

Prerequisite: Senior standing or consent of instructor.

CECS 448 User Interface Design (3)

Prerequisite: CECS 343 or consent of instructor.

Take one of the following:

PSY 533 Research in Cognition and Learning (3)

Prerequisites: PSY 220, 310, and PSY 331 or PSY 332 or PSY 333.

PSY 634 Seminar in Cognition (3)

Prerequisites: PSY 332 or PSY 333 or consent of instructor; consent of graduate advisor.

Take one course from the following:

PSY 512, PSY 544, PSY 696, PSY 697; ENGL 419 or otherwise approved by the program committee.

2. A preliminary oral examination on the thesis proposal and a final oral examination in defense of the completed thesis. (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the culminating activity.)

#### Student Learning Outcomes

At the end of the program, students should have the ability to:

1. Apply their knowledge of psychology to the design of jobs, information systems, consumer products, workplaces, and equipment to improve user performance, safety, and comfort.
2. Apply methodologies that are used in the design of human-machine systems.
3. Design research to answer basic and applied issues in Human Factors.

### Option in Industrial and Organizational Psychology

This is a 36-unit program.

#### Prerequisites

1. A bachelor's degree with a major in psychology or 24 upper division units of psychology.
  2. Take both of the following courses:
    - PSY 220 Research Methods (4)  
Prerequisites: : PSY 100; PSY 110 or SOC 170 or HDEV 190 with a grade of 'C' or better, and Completion of GE A1 (Written Communication) requirement.
    - PSY 310 Intermediate Statistics (4)  
Prerequisites: PSY 100, PSY 110.
- Take one of the following courses:  
PSY 314, PSY 315
- Take one of the following courses:  
PSY 332, PSY 333
- Take one of the following courses:  
PSY 351, PSY 381, PSY 453/553
- Students may be admitted to the MSIO program if they lack only one required course. The missing course must be completed within the first year of graduate study. However, PSY 314 or PSY 315 AND PSY 351 or PSY 381 or PSY 453/553 must be completed prior

to MSIO program entry, as they are prerequisites for the first semester MSIO program coursework. Students missing more than one prerequisite course at the time of application may be offered provisional admission if they submit an approved plan to take the missing courses prior to admission to the program.

### Advancement to Candidacy

Advancement to Candidacy is the next step after achieving classified status and confers catalog rights to graduate students and signifies approval of a plan of study by the graduate student's program, department, and college. The prerequisites to advancement are:

1. Application for Advancement to Candidacy must be completed prior to or concurrent with enrollment in PSY 699 (Directed Research and Portfolio) or PSY 698 (Thesis).
2. Classified status.
3. An approved program of studies for the Master of Science, Industrial and Organizational option degree.
4. Fulfillment of the Graduation Writing Assessment Requirement (GWAR).
5. A minimum 3.0 overall GPA and a 3.0 GPA in all units undertaken for the program (at least 6 graduate units).
6. Be enrolled in regular session.

### Requirements

Students must declare their intention to pursue one of two possible tracks within the MSIO degree, either Track 1: Applied, or Track 2: Thesis Research at the time of Advancement to Candidacy. Students intending to pursue a career in the application of Industrial-Organizational psychology to business and industry are encouraged to pursue the Applied track. Students seeking to pursue a doctoral degree in Industrial-Organizational psychology immediately upon graduation of the MSIO degree are encouraged to pursue the Thesis Research track.

#### Track 1: Applied/Portfolio

1. The student must complete a minimum of 36 units of graduate course work.

Take all of the following:

PSY 515 Test Construction Theory and Practice (3)  
Prerequisites: PSY 310 and either PSY 314 or PSY 315.

PSY 581 Organizational Psychology (3)  
Prerequisites: PSY 351 or PSY 381 or PSY 453/553.

PSY 582 Research in Industrial and Organizational Psychology (3)  
Prerequisites: PSY 220 and PSY 310.

PSY 585 Proseminar in Personnel Psychology (3)  
Prerequisites: PSY 314 or PSY 315.

PSY 683 Issues Organizational Development (3)  
Prerequisites: PSY 581.

PSY 686 Issues in Training (3)  
Prerequisites: PSY 332 or PSY 333, and PSY 585.

PSY 688 Practicum in Industrial and Organizational Psychology (3)  
Prerequisites: At least 12 units of graduate-level coursework within the MSIO program.

PSY 699 Directed Research and Portfolio (3)  
Prerequisites: Advancement to candidacy, consent of graduate advisor and instructor.

Take two courses chosen from the following:

PSY 511, PSY 512, PSY 523 or an approved substitute

Take two courses from the following:

PSY 501, PSY 518, PSY 527, PSY 533, PSY 544, PSY 553, PSY 575, PSY 634, PSY 637, PSY 651, PSY 656; HRM 445

2. An approved Student Learning Portfolio. (Note: In order to satisfy the culminating activity requirement (thesis, project, or comprehensive examination dependent upon the program), students must earn at least three (3) units and no more than six (6) units related to the completion of the culminating activity.)
3. Students with credit in PSY 411, PSY 412, or PSY 423 as undergraduates may petition the MSIO Program Committee to substitute a maximum of 3 units from related areas toward the 36-unit program.

#### Track 2: Research/Thesis

1. The student must complete a minimum of 36 units of graduate course work.

Take all of the following:

PSY 515 Test Construction Theory and Practice (3)

Prerequisites: PSY 310 and either PSY 314 or PSY 315.

PSY 581 Organizational Psychology (3)

Prerequisites: PSY 351 or PSY 381 or PSY 453/553.

PSY 582 Research in Industrial and Organizational Psychology (3)

Prerequisites: PSY 220 and PSY 310.

PSY 585 Proseminar in Personnel Psychology (3)

Prerequisites: PSY 314 or PSY 315.

PSY 683 Issues Organizational Development (3)

Prerequisites: PSY 581.

PSY 686 Issues in Training (3)

Prerequisites: PSY 332 or PSY 333, and PSY 585.

PSY 688 Practicum in Industrial and Organizational Psychology (3)

Prerequisites: At least 12 units of graduate-level coursework within the MSIO program.

PSY 698 Thesis (6)

Prerequisites: Advancement to candidacy, consent of graduate advisor. MSIO students.

Take two courses chosen from the following:

PSY 511, PSY 512, PSY 523 or an approved substitute

Take one course from the following:

PSY 501, PSY 518, PSY 527, PSY 533, PSY 544, PSY 553, PSY 575, PSY 634, PSY 637, PSY 651, PSY 656; HRM 445

2. Students with credit in PSY 411, PSY 412, or PSY 423 as undergraduates may petition the MSIO Program Committee to substitute a maximum of 3 units from related areas toward the 36-unit program.

#### Student Learning Outcomes

An MSIO student will demonstrate competency:

1. as an informed consumer of the knowledge of the history and systems of psychology in general, and the history and systems of I-O psychology in particular.
2. as an informed consumer of the knowledge of core I-O content areas and a practitioner applying this

- knowledge to I-O issues in workplace settings.
3. as an applied researcher, demonstrating (a) the knowledge of basic applied research methods, (b) data collection and statistical analysis skills and abilities, (c) oral presentation skills, and (d) report writing skills.
  4. as a culturally aware participant in diverse organizational settings.

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## Courses (PSY)

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### LOWER DIVISION

#### 100. General Psychology (3)

Prerequisite: Students who score 147 or above on the English Placement Test or "C" or better in one of the following AFRS 100S, ASAM 100S, CHLS 104S, ENGL 100S or ALI 150 or equivalent.

Introduction to the scientific study of human behavior. Provides a basis for further study and for application to everyday life. Topics include biological foundations of behavior, motivation, emotion, learning, memory, thinking, personality, development, social behavior, abnormal behavior, methods of therapy.

#### 110. Introductory Statistics (4)

Prerequisites: Eligible to take a General Education Mathematics course.

Introduction to descriptive and inferential statistics and applications in psychological research; performance of statistical exercises by interactive computer. Emphasis upon knowledge of which statistical tests to use and how to interpret their results.

Not open for credit to students with credit in PSY 210.

#### 130. Critical Thinking (3)

Prerequisite: GE A1 requirement.

The nature of critical thinking; models and strategies; common fallacies of reasoning; self-regulation in the thinking process; application of critical thinking to specific areas.

#### 150. Personality and Social Behavior (3)

Prerequisite/Corequisite: One GE Foundation course.

Psychological principles pertinent to the understanding of personality and interpersonal dynamics. Discussion of research and theories of social motivation, conflict and anxiety, adjustment mechanisms and personality change.

#### 220. Research Methods (4)

Prerequisites: : PSY 100; PSY 110 or SOC 170 or HDEV 190 with a grade of 'C' or better, and Completion of GE A1 (Written Communication) requirement.

Introduction to basic research methods in Psychology. Principles of experimentation, naturalistic observation, correlational studies.

Not open for credit to students with credit in PSY 200. (Lecture 3 hours, laboratory and field 3 hours)

#### 241. Psychobiology (3)

Prerequisites: PSY 100, GE A1 requirement.

Introduction to the study of behavior from a biological point of view. Biological systems and processes underlying behavior, with emphasis on brain mechanisms, presented in the context of fundamental concepts and issues in psychology.

Not open for credit to students with credit in PSY 141.

#### 278. Prevention and Treatment of Domestic Violence (3)

Prerequisite: PSY 100.

In-depth look at domestic violence. Students learn about types of violence, prevalence rates and the etiology of domestic violence. Students also learn about legal, medical and therapeutic responses to domestic violence, as well as prevention and public policy interventions.

### UPPER DIVISION

#### 300. Mind Control or Freedom (3)

Prerequisites: PSY 100, GE Foundation requirement, one or more explorations courses and upper division standing.

Theories of persuasion and how people control others using informational, manipulative and coercive approaches; sources of power in society; and the psychological and ethical implications of freedom and responsibility in coping with control attempts by friends, government, advertisers, cults.

#### 301. Introduction to Psychology as a Discipline and Profession (3)

Prerequisite: PSY 100.

Covers scope and value of psychology major including preparation for graduate work, careers available at varying degree levels, ethical considerations, key historical concepts, and essential skills like library search techniques, using APA format, and study skills.

(6 hrs activity)

#### 310. Intermediate Statistics (4)

Prerequisites: PSY 100, PSY 110.

Basic theoretical concepts of statistics and use of these concepts in selection and development of model testing, hypothesis testing and parameter estimation procedures. Both single measure (univariate) and correlation (bivariate) concepts are included.

(Lecture 3 hours, laboratory 2 hours)

#### 314. Psychological Assessment (3)

Prerequisites: PSY 100, PSY 110, PSY 220.

Principles of assessment applied to the measurement of individual behavior and to programs intended to affect behavior. Includes interviews, tests and other methods.

#### 315. Principles of Psychological Testing (3)

Prerequisites: PSY 100, PSY 110, PSY 220.

Principles and practices of group and individual testing in the fields of intelligence, aptitude, achievement, personality and interest. Emphasis on the evaluation of tests as measuring devices, their applicability and limitations.

#### 327. Introduction to Human Factors (3)

Prerequisites: GE Foundation requirement, one Explorations course, and upper division standing

Introduction to the field of human factors, a discipline concerned with designing products and systems for human use.

#### 329A. Advanced Research Methods in Mental Health (3)

Prerequisites: PSY 100, PSY 110, PSY 220, Admission to COR program and consent of instructor.

Introduction to fundamental and advanced methods relevant to mental health research as well as current directions and cutting edge research in the field of mental health. Development and execution of an independent research project on topics related to mental health.

#### 329B. Advanced Research Methods in Mental Health (3)

Prerequisites: PSY 329A, Admission to COR program and consent of instructor.

Introduction to fundamental and advanced methods relevant to mental health research as well as current directions and cutting edge research in the field of mental health. Development and execution of an independent research project on related topics.

### **331. Sensation and Perception (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Introduction to the scientific study of sensory processes and perceptual principles from a psychophysical and physiological perspective, and the methods used to investigate them. Topics may include vision, audition, psychophysics, and object and space perception.

### **332. Human Cognition (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Study of higher-order processes basic to the acquisition of knowledge. Includes thinking, problem solving, creativity, information processing, decision making, judgment, concepts and imagination.

### **333. Psychology of Learning (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Learning is a relatively permanent change in behavior resulting from experience. Emphasizes interaction of biological and environmental variables in the processes of instinct, habituation, sensitization, Pavlovian conditioning, instrumental learning, and cognition; examination of methods, theory and applications.

### **336. Psychology of Emotion (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Discussion of research and theories of emotions. Includes the evolution of emotions, neurophysiological mechanisms of emotion, development of emotions, expressions of emotions, and emotions in social relationships, with an emphasis on the emotions of anger, grief, happiness, jealousy, and love.

### **337. Psychology of Happiness (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Examines research in human happiness. Topics include: Assessing happiness, the adaptive function of positive emotions, the relation between wealth and happiness, personality characteristics of happy individuals, international differences in happiness, and strategies for enhancing the happiness of individuals.

### **339. Psychology of Sport Behavior and Athletic Performance (3)**

Prerequisites: GE Foundation requirement, PSY 100 and upper division standing.

Psychological dimensions of attitudes, behaviors, and performance in sport and exercise environments.

Same course as KIN 339. Not open for credit to students with credit in KIN 339.

### **340. Physiology of Behavior (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

An in-depth examination of central nervous system (CNS) components that create our behavioral capabilities. Topics include major structural and functional features of the neuron and of selected systems representative of the sensory, integrative, and motor capabilities of the CNS.

### **341. Neuropsychology (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Localization of brain regions responsible for human capabilities as studied in patients with brain damage, normal people, and nonhumans. How brain damage is assessed and treated. Relation of findings to function of normal brains.

### **342. Psychopharmacology (3)**

Prerequisites: PSY 100, PSY 220, PSY 241.

Introduction to the effects of major classes of psychoactive drugs on the central nervous system. Topics include anatomical and functional characteristics of neurotransmitter systems; pharmacology of drug administration; and physiological and psychological actions of selected classes of psychoactive drugs.

### **346. Evolutionary Psychology (3)**

Prerequisites: GE Foundation requirement and one or more Explorations courses, PSY 100 and upper division standing.

Human social behavior as seen in context of evolutionary biology. Topics include the importance of kinship in human societies, altruism and reciprocity, human sexuality, parent-offspring relations, ethical and legal systems and religion.

### **350. Psychology and Contemporary Social Issues (3)**

Prerequisites: PSY 100, GE Foundation requirement, one or more explorations courses and upper division standing.

Application of social psychological principles toward understanding major contemporary social issues. Each issue covered is presented in its historical context, and the economic, political, social and cultural aspects are examined.

### **351. Social Psychology (3)**

Prerequisite: PSY 100.

Study of individuals and groups as they are affected by social interactions. Topics may include social cognition, attitudes and persuasion, social influence, interpersonal perception and attraction, aggression, altruism, and group dynamics.

### **354. Psychology of Women (3)**

Prerequisite: PSY 100.

Examination of women's roles throughout the lifespan including gender differences, body image, pregnancy, sexuality, communication, relationships, motherhood, work, physical and mental health. Attitudes toward women, including violence against women, may be explored. This course is for both men and women.

### **356. Personality (3)**

Prerequisite: PSY 100.

Survey of classical theories and methods in Personality psychology, with a sampling of current research. Examines how and why people differ in personality, and the ways these differences are reflected in thoughts, feelings, motivations, and behaviors.

### **359. Self-Observation and Self-Development (3)**

Prerequisite: PSY 100.

Examination of personal traits and behavior patterns as reflected by objective measures, group interactional procedures and video feedback. Development of self through systematic self-observation.

### **361. Psychology of Child and Adolescent Development (3)**

Prerequisite: PSY 100.

Developmental change processes from prenatal development through adolescence. Emphasis on ethnic, gender, and social class differences in development combined with emphasis on the universal features of human development. Topic coverage includes physical-motor, social, physiological, and cognitive aspects of development.

### **362. Autism Spectrum Disorders (3)**

Prerequisite: PSY 100.

Introduction to autism spectrum disorders (ASDs), including consideration of behavioral and cognitive issues, comorbid disorders, prevalence, possible etiology and psychological impacts on families. Examination of treatment approaches such as behavioral, speech, physical, occupational, educational, dietary and biomedical therapies.

### **363. Developmental Psychopathology (3)**

Prerequisite: PSY 100.

Research on psychiatric disorders of children and adolescents from a developmental perspective. The symptoms, causes, course and prevention of the most important childhood disorders are discussed, including conduct disorder, attention deficit hyperactivity, depression, anxiety disorder, autism and mental retardation.

### **365. Psychology of Adult Development and Aging (3)**

Prerequisite: PSY 100.

Methodological and theoretical problems and issues in the study of developmental change processes from young adulthood through old age. Topical coverage includes physical-motor, social, physiological and intellectual aspects of behavioral functioning.

### **370. Abnormal Psychology (3)**

Prerequisite: PSY 100.

Overview of abnormal behavior as a portion of continuum of human behavior. Covers field's historical approaches, range of psychological disorders, as well as causes, consequences, and treatment of these disorders.

### **373. Introduction to Clinical Psychology (3)**

Prerequisites: PSY 100, PSY 370.

Survey of field of clinical psychology including an introduction to its history, diagnostic procedures, therapeutic process, clinical training, research approaches, and ethical issues.

### **375. Community Psychology (3)**

Prerequisites: GE Foundation requirement, PSY 100, and upper division standing.

Examination, prevention, and interventions for contemporary social problems. First-hand experience with community assessment, intervention, evaluation, and social policy through community service learning. Emphasis on contextual analyses, community strengths, and culturally-appropriate solutions.

### **377. Serial Killers and Psychopaths: The Psychology of the Criminal Mind (3)**

Prerequisites: Criminal Justice majors: A grade of "C" or better in CRJU 304. Psychology majors: PSY 220, PSY 370. All other majors: Consent of instructor.

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.

Same course as CRJU 408. Not open for credit to students with credit in CRJU 408.

### **378. Health Psychology (3)**

Prerequisite: PSY 100.

Research and theory regarding attitudes, beliefs, and behaviors related to health and illness. Individual difference variables will be examined. Analysis of applications of psychology to prevention, counseling, and treatment of major health problems.

### **379. Psychology of Stress (3)**

Prerequisite: PSY 100.

Introduction to the scientific study of stress and its relationship to health. Course content will focus on understanding the nature of psychological stress, its physiological correlates, and specific strategies used to help in understanding and managing our own experience of stress.

### **381. Introduction to Industrial-Organizational Psychology (3)**

Prerequisite: PSY 100.

Introduction to theories, methods, findings, and applications of industrial-organizational (I-O) psychology. Topics covered include job analysis, employee recruitment and selection, performance appraisal, employee training and development, work stress, teams, satisfaction, motivation, and leadership.

### **382. Introduction to Cognitive Science (3)**

Prerequisites: GE Foundation requirement; at least one Explorations course; upper-division standing; at least 6 units in two areas chosen from computer Science, Linguistics, Philosophy, and Psychology.

Introduction to cognitive science including historical development, foundational philosophical presuppositions, core topics, underlying theoretical framework, explanatory goals, different methodologies and theoretical contributions of its constitutive disciplines.

Same course as PHIL 482. Not open for credit to students with credit in PHIL 482.

### **383. Women, Family, and Work Issues (3)**

Prerequisite: PSY 100.

Opportunities and challenges women in U.S. face with family and work issues explored. Specifically, cultural influences, complex family compositions, work demands, and the collective influence of these factors on women's life choices examined.

### **384. Workplace Diversity: Barriers and Strategies (3)**

Prerequisite: PSY 100.

Current U.S. workforce is diverse along gender, multiracial, and multicultural factors, such as men, women, European Americans, African Americans, Latinos, Asian Americans and others. Understanding psychological barriers and developing strategies at the individual, group, and organizational levels to create a positive multicultural workplace will be explored.

### **390. Selected Topics in Psychology (3)**

Prerequisite: Consent of instructor.

Topics of current interest in psychology selected for intensive development.

May be repeated to a maximum of 9 units with different topics; no more than 6 units may be used for the major. Topics announced in the *Schedule of Classes*.

### **401./501. History of Psychology (3)**

Prerequisites: Psychology major, PSY 301; 6 upper division units in psychology.

Historical background and development of psychology as a science. Contributions of major individuals and systems.

Letter grade only (A-F)

### **405. Field Work in Psychology (3)**

Prerequisites: Psychology major (3.0 GPA), 12 units upper division in PSY, PSY 301, consent of instructor, letter of recommendation.

Supervised internship in a Psychology-related position in the surrounding community. Placements include schools, hospitals, clinics, and community mental health agencies.

Credit/No Credit grading only. May be repeated to a maximum of 6 units in different semesters. Course fee may be required.

### **406A,B. Applications of Psychology (3)**

Prerequisite: Psychology major, PSY 301; consent of instructor.

Theoretical and laboratory training in the topic areas are followed by applied work with clients, schools, businesses, etc., as appropriate. Students are supervised by the course instructor.

Students apply for 406A-B during the semester before the courses are taken. Letter grade only (A-F). Course fee may be required.

### **407./507. Introduction to Family Therapy (3)**

Prerequisites: Psychology major, PSY 301; PSY 373 or PSY 475.

Survey of the field of family therapy including origins of differences in family structure, historical development of family therapy theory and practice.

Letter grade only (A-F).

### **411./511. Statistical Design and Analysis of Experiments (3)**

Prerequisites: Psychology major, PSY 301; PSY 310.

Focuses on logic, application, and interpretation of analysis of variance (ANOVA) models in addition to other statistical procedures. Various issues of research design and experimentation are also covered.

Letter grade only (A-F).

### **412./512. Multivariate Statistical Analysis (3)**

Prerequisites: Psychology major, PSY 301; PSY 310.

Covers logic, application, and limitations of multivariate (multiple independent and dependent variables) statistics. Topics may include multivariate analysis of variance, single and multiple correlation/regression, logistic regression, factor analysis, and path analysis.

Letter grade only (A-F).

### **418./518. Computer Applications in Psychology (3)**

Prerequisites: Psychology major, PSY 301; PSY 310.

Foundations of computer technology and its application to psychology. Emphasis on real-time control by digital computers in psychological research and applications.

Letter grade only (A-F). (Lecture 2 hours, laboratory 3 hours)

### **423./523. Qualitative Methods and Analysis. (3)**

Prerequisites: Psychology Major, PSY 301.

Overview of qualitative research methods and analysis. Students learn to conduct observations, focus groups and qualitative interviews. Inductive analysis techniques such as content analysis and narrative analysis. Application of these skills in a qualitative evaluation of a real-world program.

Letter grade only (A-F).

### **427./527. Human Factors (3)**

Prerequisites: Psychology major, PSY 301; PSY 310 and two of the following: PSY 331, PSY 332 or PSY 333.

Systematic application of psychological principles to the design of person-machine systems. Emphasis in the laboratory on the development of skills required of human factors psychologists. These skills will include systems and analysis, cognitive task analysis, rapid prototyping and usability testing.

(Lecture 2 hrs, laboratory 3 hours) Letter grade only (A-F).

### **433./533. Research in Cognition and Learning (3)**

Prerequisites: Psychology major, PSY301; PSY 310 and one of the following: PSY 331, PSY 332 or PSY 333.

Research methods in cognition, learning, and perception. Laboratory includes experiments on selected topics.

Letter grade only (A-F). (Lecture 2 hours, laboratory 3 hours)

### **434. Human Memory: Exploring Brain, Mind and The Past (3)**

Prerequisites: Psychology major; PSY 301; and one of the following: PSY 332, PSY 333, PSY 337, PSY 340 or PSY 341.

Memory is essential for successfully navigating our world. Examines classic and modern research and real-world applications in human memory. Students completing this course will practice designing, critiquing and conducting psychological research.

Letter grade only (A-F). (Seminar)

### **435. Animal Cognition (3)**

Prerequisites: Psychology major, PSY 301 and PSY 332 or PSY 333.

Examines the cognitive lives of animals. Discussion includes: instincts, basic learning abilities, insightful problem-solving, categorization and analogical reasoning, short-term and long-term memory, time perception, counting and numerical abilities, perception and navigation, social learning, and communication.

Letter grade only (A-F). Not open for credit to students with credit in PSY 343.

### **436./536. Psychology of Mood (3)**

Prerequisites: Psychology major, PSY 301; PSY 310.

Analyses of normal mood states, including survey of existing literature. Topics may include the relationship of mood to important antecedents and consequences such as sleep-wake cycles, exercise, nutrition, physical health, stress, and cognition.

Letter grade only (A-F).

### **441./541. Research in Physiological Psychology (3)**

Prerequisites: Psychology major, PSY 301; PSY 310 and one of the following: PSY 340, PSY 341 or PSY 342.

Research methods in psychobiology. Includes fundamentals of neuroanatomy, surgical procedures for stimulation, lesioning and recording, and pharmacological procedures used in neuropsychological research.

Letter grade only (A-F). (Lecture 2 hours, laboratory 3 hours)

### **444./544. Cognitive Neuroscience (3)**

Prerequisites: Psychology major, PSY 301; PSY 310, PSY 332 and one of the following: PSY 340, PSY 341 or PSY 342.

Explores brain systems responsible for cognitive processes in normal humans, integrating theory from texts and current research from original sources.

Letter grade only (A-F).

### **451./551. Research in Social Psychology (3)**

Prerequisites: Psychology major, PSY 301, PSY 310, PSY 351.

Research methods and problems in social psychology.

(Lecture 2 hrs, laboratory 3 hrs.) Letter grade only (A-F).

### **453./553. Principles of Group Dynamics (3)**

Prerequisites: Psychology major, PSY 301; and PSY 351.

Behavior in groups with attention to such factors as leadership, followership, interaction and influence including organization, management, morale, and efficiency. Problems, techniques and methods of investigation.

Letter grade only (A-F).

### **456./556. Research in Personality (3)**

Prerequisites: Psychology major, PSY 301, PSY 310, PSY 356.

Examination of common research methods, especially as they apply to particular theoretical personality paradigms.

Letter grade only (A-F). (Lecture 2 hours, laboratory 3 hours)

### **457. Psychology of Sexuality (3)**

Prerequisites: Psychology major, PSY 301; and one of the following: PSY 351, PSY 356 or PSY 370.

Survey of topics in human sexuality with emphasis on developmental psychology of sexuality, attitudes and feelings related to sexuality, sexual variations and deviations, and sexual dysfunction and sex therapy.

Letter grade only (A-F).

### **463. Social and Personality Development (3)**

Prerequisites: Psychology major, PSY 301; PSY 361.

Development of social behavior and personality in children and adults. Coverage will include theoretical approaches and processes, as well as content areas including development of emotions, personality systems, aggression, morality, prosocial behavior, peer relations, and sex differences.

Letter grade only (A-F).

### **475./575. Clinical Interviewing (3)**

Prerequisites: Psychology major, PSY 301; PSY 373.

Study and development of clinical techniques of observation and interview. Coverage includes detailed exposure to Client-Centered and Gestalt counseling methods. Emphasis on understanding theory and acquisition of basic skills.

Letter grade only (A-F).

### **477. Psychology of Addiction (3)**

Prerequisites: Psychology major, PSY 301; 6 upper division units in Psychology.

Investigation of theory and research on psychological causes and effects of addiction, including analyses of individual differences on major demographic variables of gender, age, and ethnicity. Considerations of major approaches and methods to recovery from addictive behavior.

Letter grade only (A-F).

### **490. Selected Topics in Psychology (3)**

Prerequisites: Psychology major, PSY 301; one 300-level course in the subject matter of the course.

Advanced study of selected topics in one basic area of psychology, e.g., cognition and learning, emotion and motivation, physiological, social, personality or developmental.

Letter grade only (A-F). May be repeated to a maximum of 9 units with different topics. Topics announced in the *Schedule of Classes*.

A. Applied Social Psychology

### **490H. Selected Topics - Honors (3)**

Prerequisites: Psychology major, PSY 301; consent of the Psychology Honors Program Advisory Committee.

Advanced study of selected topics in psychology.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

### **495. Psychology and the Law (3)**

Prerequisites: Psychology major, PSY 301; PSY 370.

Examines relationship between fields of psychology and law, including laws pertaining to psychologists and rights and ethical responsibilities of mental health providers. Topics include forensic psychology, trial consulting, and issues relating to the legal system.

Letter grade only (A-F).

### **496H. Research Preparation - Honors (3)**

Prerequisites: Psychology major, PSY 301; consent of the Psychology Honors Program Advisory Committee.

Development of a senior honors thesis proposal.

Letter grade only (A-F).

### **497H. Senior Thesis - Honors Presentation (1)**

Prerequisites: Psychology major, PSY 301; Permission of the Psychology Honors Program Committee, PSY 490H, PSY 496H and PSY 498H

This course is designed to train psychology honors students in presentations of their completed thesis work. Students will defend their honors thesis to the Psychology Honors Program Committee and participate in approved research competition venues.

Credit/No Credit grading only.

### **498H. Senior Thesis - Honors (3)**

Prerequisites: Psychology major, PSY 301; PSY 490H, 496H and consent of the supervising faculty member.

Final completion of an original research project with the product being both an oral and written presentation of the research.

Letter grade only (A-F).

### **499. Independent Study (1-3)**

Prerequisites: Psychology major, PSY 301; and consent of department.

Student will conduct independent laboratory or library research and write a report of the research.

May be repeated to a maximum of 6 units. Letter grade only (A-F).

## **GRADUATE LEVEL**

### **501./401. History of Psychology (3)**

Prerequisite: Six upper division units in psychology.

Historical background and development of psychology as a science. Contributions of major individuals and systems.

Letter grade only (A-F).

### **507./407. Introduction to Family Therapy (3)**

Prerequisites: PSY 220, PSY 373, PSY 475 or consent of instructor.

Survey of the field of family therapy including origins of differences in family structure, historical development of family therapy theory and practice.

(Lecture/Discussion) Letter grade only (A-F).

### **511./411. Statistical Design and Analysis of Experiments (3)**

Prerequisite: PSY 310 or consent of instructor.

Focuses on the logic, application, and interpretation of analysis of variance (ANOVA) models in addition to other statistical procedures. Various issues of research design and experimentation are also covered.

(Lecture 3 hours) Letter grade only (A-F)

### **512./412. Multivariate Statistical Analysis (3)**

Prerequisite: PSY 310 or consent of instructor.

Covers logic, application, and limitations of multivariate (multiple independent and dependent variables) statistics. Topics may include multivariate analysis of variance, single and multiple correlation/regression, logistic regression, factor analysis, and path analysis.

(Lecture 3 hours) Letter grade only (A-F)

### **515. Test Construction Theory and Practice (3)**

Prerequisites: PSY 310 and either PSY 314 or PSY 315.

Consideration of problems in the construction of tests for personnel selection, educational screening, personality assessment, aptitude estimating, and measurement of academic achievement. practice in the development of tests.

(Lecture 2 hrs, laboratory 2 hrs) Letter grade only (A-F).

**518./418. Computer Applications in Psychology (3)**

Prerequisites: PSY 310 or equivalent or consent of instructor.

Foundations of computer technology and its application to psychology. Emphasis on real-time control by digital computers in psychological research and applications.

(Lecture 2 hrs, laboratory 3 hrs) Letter grade only (A-F).

**523./423. Qualitative Methods and Analysis (3)**

Prerequisite: Graduate standing.

Overview of qualitative research methods and analysis. Students learn to conduct observations, focus groups and qualitative interviews. Inductive analysis techniques such as content analysis and narrative analysis. Application of these skills in a qualitative evaluation of a real-world program.

Letter grade only (A-F).

**527./427. Human Factors (3)**

Prerequisites: PSY 310 and two of the following: PSY 331, PSY 332 or PSY 333.

Systematic application of psychological principles to the design of person-machine systems. Emphasis in the laboratory on the development of skills required of human factors psychologists. These skills will include systems analysis, cognitive task analysis, rapid prototyping and usability testing.

(Lecture 2 hrs, laboratory 3 hours) Letter grade only (A-F).

**533./433. Research in Cognition and Learning (3)**

Prerequisites: PSY 220, PSY 310, and PSY 331 or PSY 332 or PSY 333.

Research methods in cognition, learning, and perception. Laboratory includes experiments on selected topics.

(Lecture 2 hrs, lab 3 hrs) Letter grade only (A-F).

**536./436. Psychology of Mood (3)**

Prerequisites: PSY 100, PSY 220, PSY 310, or consent of instructor.

Analyses of normal mood states, including survey of existing literature. Topics may include the relationship of mood to important antecedents and consequences such as sleep-wake cycles, exercise, nutrition, physical health, stress, and cognition.

**541./441. Research in Physiological Psychology (3)**

Prerequisites: PSY 220, PSY 310, and PSY 341.

Research methods in psychobiology. Includes fundamentals of neuroanatomy, surgical procedures for stimulation, lesioning and recording, pharmacological procedures used in neuropsychological research.

(Lecture 2 hours, laboratory 3 hours) Letter grade only (A-F).

**544./444. Cognitive Neuroscience (3)**

Prerequisites: PSY 332 and one of the following: PSY 340, PSY 341, or PSY 342.

Explores brain systems responsible for cognitive processes in normal humans, integrating theory from texts and current research from original sources.

Letter grade only (A-F).

**551./451. Research in Social Psychology (3)**

Prerequisites: PSY 220, PSY 310, PSY 351, or consent of instructor.

Research methods and problems in social psychology.

(Lecture 2 hrs, laboratory 3 hrs.) Letter grade only (A-F).

**553./453. Principles of Group Dynamics (3)**

Prerequisites: PSY 110, PSY 220, PSY 351, or consent of instructor.

Behavior in groups with attention to such factors as leadership, followership, interaction and influence including organization, management, morale, and efficiency. Problems, techniques and methods of investigation.

(Lecture/Discussion) Letter grade only (A-F).

**556./456. Research in Personality (3)**

Prerequisites: PSY 100, PSY 220, PSY 310, PSY 356, or consent of instructor.

Examination of common research methods, especially as they apply to particular theoretical personality paradigms.

(Lecture 2 hours, laboratory 3 hours) Letter grade only (A-F).

**575./475. Clinical Interviewing (3)**

Prerequisites: PSY 100, PSY 220, PSY 373.

Study and development of clinical techniques of observation and the interview. Coverage will include a detailed exposure to Client-Centered and Gestalt counseling methods. Emphasis will be on understanding theory and acquisition of basic skills.

Letter grade only (A-F).

**581. Organizational Psychology (3)**

Prerequisites: PSY 351 or PSY 381 or PSY 453/553.

Analysis of organizational behavior and practices from a systems point of view. Consideration of employee motivation, power, leadership, communication, decision-making, and organizational change. Research methods for studying organizations.

Letter grade only (A-F).

**582. Research in Industrial and Organizational Psychology (3)**

Prerequisites: PSY 220 and PSY 310.

Research methods and problems in industrial psychology. Includes direct observational, psychophysical, regression, survey, experimental, and quasi-experimental methods.

(Lecture 2 hours, laboratory 3 hours) Letter grade only (A-F).

**585. Proseminar in Personnel Psychology (3)**

Prerequisites: PSY 314 or PSY 315.

Advanced consideration of problems and procedures in personnel psychology. Includes both differentiation and synthesis of major areas within this field.

Not open for credit to students with credit in PSY 586. Letter grade only (A-F).

**589. Selected Topics in Industrial and Organizational Psychology (1)**

Prerequisite: Acceptance in to the Master of Science - Industrial and Organizational Psychology or consent of instructor.

Exploration of selected advanced topics in Industrial/Organizational psychology.

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*. Not open for credit to students with credit in same topic in 590.

A. Large Group Intervention

**590. Selected Topics in Psychology (1-3)**

Prerequisites: Consent of instructor. Topics of current interest in psychology selected for intensive development.

Letter grade only (A-F). May be repeated to a maximum of 6 units with different topics. Topics announced in the *Schedule of Classes*.

**596. Proseminar on Graduate Research (3)**

Prerequisites: Admission to MAPR program, consent of instructor; consent of graduate advisor.

Introduces first semester graduate students to their new graduate level environment and culture. Skills expected of all MAPR master's students will be developed including technical writing, researching topics, public speaking and effectively participating in Psychology seminars.

Letter grade only (A-F).

**599. Independent Study (1-3)**

Prerequisite: Consent of department.

Unclassified graduate student will conduct independent laboratory or library research and write a report of the research.

May be repeated for a maximum of 6 units. Letter grade only (A-F).

**627. Human Factors' Methods (3)**

Prerequisite: PSY 527 or consent of instructor.

An advanced graduate level course on methods commonly used in the field of human factors. These methods include analytic techniques used during the design of human-machine systems (e.g., task analysis, simulation), techniques used to evaluate functioning systems (usability testing, critical incident surveys) and techniques used to measure human performance (e.g., workload, situation awareness).

Letter grade only (A-F).

**631. Seminar in Perception and Physiological Psychology (3)**

Prerequisite: PSY 331 or PSY 340 or PSY 341 or PSY 342 or consent of instructor; consent of graduate advisor.

Critical examination of selected topics in perception, information processing and neurophysiological correlates of behavior. Student emphasis on either perception or physiological psychology.

Letter grade only (A-F).

**632. Seminar in Learning (3)**

Prerequisites: PSY 333 or consent of instructor; consent of graduate advisor.

Advanced consideration of selected topics in learning.

Letter grade only (A-F).

**633. Seminar in Perception and Attention (3)**

Prerequisites: PSY 331 or PSY 332 or consent of instructor; consent of graduate advisor.

Examination of methods, theories, and experimental evidence in selected topics from the areas of sensation, perception, and attention.

Letter grade only (A-F).

**634. Seminar in Cognition (3)**

Prerequisites: PSY 332 or PSY 333 or consent of instructor; consent of graduate advisor.

Examination of method, theory and experimental evidence in selected topics from the area of cognition.

Letter grade only (A-F).

**635. Seminar on Situation Awareness (3)**

Prerequisites: PSY 331 or PSY 332 or consent of instructor or/and consent of graduate advisor.

Examines research on situation awareness. Topics include: Theoretical perspectives on situation awareness, its importance in systems design and its application in areas such as driving and aviation. Also examines measurement tools designed to assess situation awareness.

Letter grade only (A-F).

**637. Seminar in Emotion and Motivation (3)**

Prerequisites: PSY 336 or consent of instructor; consent of graduate advisor.

Advanced consideration of selected topics in animal and human motivation and emotion.

Letter grade only (A-F).

**651. Seminar in Social Psychology (3)**

Prerequisites: PSY 351 or consent of instructor; consent of graduate advisor.

Critical examination of interpersonal relations, social influence, group membership and influence, and intergroup relations.

Letter grade only (A-F).

**656. Seminar in Personality (3)**

Prerequisites: PSY 356 or consent of instructor; consent of graduate advisor.

Theories of personality structure, dynamics, and development. Critical examination of research deriving from different theoretical approaches.

Letter grade only (A-F).

**661. Seminar in Developmental Psychology (3)**

Prerequisites: PSY 361 or consent of instructor; consent of graduate advisor.

Consideration of theoretical and methodological issues in life span developmental psychology. Critical examination of research on selected topics, including development of physiological function, intelligence, language, learning processes, sensory processes, perception, personality and social behavior.

Letter grade only (A-F).

**678. Seminar in Health and Behavior and Intervention (3)**

Prerequisites: PSY 310 or consent of instructor; consent of graduate advisor.

Overview of health psychology and health promotion field. Students learn background of psychology's role in health professions, health behavior theory and health intervention design and evaluation. Analysis of individual, contextual, structural and cultural factors impacting health and health intervention.

Letter grade only (A-F).

**683. Issues Organizational Development (3)**

Prerequisites: PSY 581.

Examination of theory, research, techniques, and practices in field of organizational development, professional practice of managing change in organizations. Techniques, such as team building, systems analysis, process consultation, large-group interventions and survey feedback will be examined.

Letter grade only (A-F).

**686. Issues in Training (3)**

Prerequisites: PSY 332 or PSY 333, and PSY 585.

Discusses theoretical and applied issues with the development of employee training programs. Topics include needs assessment, adult learning theory, training methods, training evaluation, and learning organizations. Experiential assignments reinforce course concepts.

Letter grade only (A-F).

**688. Practicum in Industrial and Organizational Psychology (3)**

Prerequisites: At least 12 units of graduate-level coursework within the MSIO program.

Practice of industrial psychology or human factors in various industrial settings. Individual research and consultation with industrial or governmental organizations.

Letter grade only (A-F). Course fee may be required.

**696. Research Methods (3)**

Prerequisites: PSY 411/511 or PSY 412/512, PSY 596, and consent of graduate advisor.

Preparation and completion of thesis proposal for preliminary oral examination. Power calculations, research methods, and statistical concepts and procedures. Ethics, human subjects protection and responsible conduct of research. Includes the required comprehensive examination for MA Research students.

Letter grade only (A-F).

**697. Directed Research (1-3)**

Prerequisites: Consent of graduate advisor and department.

Theoretical and experimental problems in psychology requiring intensive analysis.

Letter grade only (A-F).

**698. Thesis (1-6)**

Prerequisites: Advancement to candidacy, consent of graduate advisor. MSIO students.

Planning, preparation, and completion of a thesis in psychology.

Must be repeated for a total of 6 units of credit. Letter grade only (A-F).

**699. Directed Research and Portfolio (1-3)**

Prerequisites: Advancement to Candidacy, consent of graduate advisor.

Capstone for the MSIO Applied/Portfolio track. Intensive study of theoretical and/or experimental problems in psychology under the guidance of a faculty member. Portfolio development.

Must be repeated for a total of 3 units of credit. Letter grade only (A-F).