Considering how many fools can calculate, it is surprising that it should be thought either a difficult or a tedious task for any other fool to learn how to master the same tricks. The fools who write the textbooks seldom take the trouble to show you how easy the calculations are. They desire to impress you with their tremendous cleverness by going about it in the most difficult way. Being myself a remarkably stupid fellow, I have had to unteach myself the difficulties, and now present to my fellow fools. What one fool can do, another can.

—*Calculus Made Easy* by Sylvanus P. Thompson, F.R.S., 1914

Instructor: Will Murray, will.murray (at the domain) csulb.edu, x55339 (rarely checked)

Office Hours: M 11-12 and 3:30-5:30, Tu 2:30-4:30, F 10:30-11:30 in FO3-215

Website with full syllabus: [csulb.edu/~wmurray/calculus.html](csulb.edu/~wmurray/calculus.html) (This is not on BeachBoard!!)

Class meetings: MW 8-9:15 in LA5-245. (Our last day: Wednesday, December 12.)

Discussion: Tu 8-9:50am and 10-11:50am in LA5-153.

Holidays (for us): Monday, September 3 (Labor Day), Monday, November 12 (Veterans Day, but Monday classes meet on Tuesday, November 13), and all Thanksgiving week (November 19-23).

Goal: To learn the theory and applications of calculus via integration, series, and differential equations.

Text: Stewart, *Essential Calculus, Early Transcendentals* (2e), e-book at [webassign.net](https://webassign.net). We will cover selected topics from Chapters 6-9, plus some material from [stewartcalculus.com](https://stewartcalculus.com).

Prerequisite: Permission from the University Honors Program.

Grades will be determined as follows:

- **Homework:** 20%. Assignments are on [webassign.net](https://webassign.net) (your Class Key is csulb 8555 9119) and are generally (not always) due on Tuesdays at 11:59pm.

- **Presentation:** 5%. On a date you will sign up for, you will present a new topic to the class, complete with theory, examples, and homework.

- **Midterm exams:** 15%, 15% and Quizzes, 5%, 5%, 5%, 5%. The midterms will be **October 3** and **November 7** and the quizzes will be **September 11**, **September 25**, **October 23**, and **November 27**. Content TBA.

  At the beginning of each class we will have a short, closed-book, “miniquiz” covering the previous lecture; these will count for one point each on the next exam.

- **Final exam:** 25%. This will be a comprehensive two hour test given in the lecture room (LA5-245) at 8-10am on **Monday, December 17**.

Please contact me as soon as possible if you need any accommodations (such as provisions for disabilities) on exams. Attendance is required. For an excused absence, you must contact me promptly and document the reason. (If the reason is foreseeable, you should contact me in advance.) If you miss an exam for an excused absence, you have one week to contact me and complete a makeup exam. You may not make up more than one exam.

Grades will be computed by the following absolute scale:

- A 85-100%
- B 70-85
- C 60-70
- D 50-60
- F 0-50

Withdrawals are permitted as follows:

- Until **Friday, September 7**, you may withdraw without getting any signatures and without any record of the course appearing on your transcript.

- Until **Friday, November 16**, withdrawal requires signatures from me and from the Department Chair. (Plan early since it’s hard to track people down for signatures.) A “W” will appear on your transcript.

- Until **December 11**, “Catastrophic Withdrawal” requires documentation and signatures from me, the Chair, and the Dean. Normally you can only do this if you are withdrawing from the university completely.

First homework assignment, due Tuesday, August 28: Go to the course website and print and complete the Student Information Sheet. Also log into WebAssign (Class Key: csulb 8555 9119); the first assignment is due next week, but designate a calculus notebook and start the homework now if you can.

Emergencies: Save the Campus Police number in your phone: 562-985-4101. It is much faster than 911.
Definition of Honors Courses

Honors courses are different from most undergraduate offerings both in content and in the way they are taught. Honors courses include a heavy emphasis on theory and/or address complex issues. The assigned readings are normally scholarly works, both books and articles, rather than textbooks. Class time is devoted to discussions designed to give students the opportunity for independent interpretation and analysis. The emphasis is on written papers or projects, not standardized testing. Assignments are constructed to accommodate individual student interests and concerns. Students in the University Honors Program are invited to embark on more challenging and creative assignments, to be less dependent upon the assistance of their instructors in understanding assigned readings, and to function at a more advanced stage of critical analysis.

Classroom environment

As members of The Beach community, we practice tolerance and denounce hate and prejudice. Our classroom will strive to be a place of mutual respect where the focus is on learning and student success.

The CNSM is committed to providing a safe and positive learning environment and has established a zero-tolerance policy for any sexual/gender-based misconduct, including, but not limited to sexual harassment, assault, relationship violence or stalking for all faculty, staff, and students.

The following entities at CSULB have been established to provide support and assistance for victims of sexual harassment and assault: Title IX Office http://web.csulb.edu/divisions/students/titleix/titleix_reporting.html, CSULB University Police Department https://www.csulb.edu/university-police/title-ix, The Women’s & Gender Equity Center, http://web.csulb.edu/divisions/students/wrc/sexual_assault/, and the Counseling & Psychological Services (CAPS) Office http://web.csulb.edu/divisions/students/caps/ and Student Health Services: http://web.csulb.edu/divisions/students/shs/sexual_assault.htm. For more information regarding CSULB’s policies on sexual misconduct and discrimination: http://www.csulb.edu/titleix.

Emergencies

- University Emergency Preparedness Instructions: www.csulb.edu/divisions/aa/emergency/documents/FacultyEmergencyPreparednessHandout20130729.pdf The closest exit for LA5-245 is via the stairwell in the hall. We will meet in Parking Lot 5, immediately outside the west end of building LA5. Please don’t linger near the doors; move at least 200 feet out into the parking lot.
- College emergency document: www.csulb.edu/~wmurray/CNSMEmergency.pdf