The preliminary terror, which chokes off most fifth-form boys from even attempting to learn how to calculate, can be abolished once for all by simply stating the meaning of the two principal symbols. These dreadful symbols are: (1) $d$ which merely means “a little bit of.” (2) $\int$ which is merely a long $S$, and may be called “the sum of.” — *Calculus Made Easy* by Sylvanus P. Thompson, F.R.S., 1914

**Instructor:** Will Murray, will.murray (at the domain) csulb.edu, x55339 (not monitored), FO3-215

**Office hours:** M 9:30-11:30 and 3:30-4:30, Tu 2:30-4:30, F 10:30-11:30

**Websites:** [www.csulb.edu/~wmurray/calculus.html](http://www.csulb.edu/~wmurray/calculus.html), [www.webassign.net](http://www.webassign.net) (These are not on BeachBoard!)

**Class meetings:** MW 8-9:15am in LA5-263. (Our last day: Wednesday, May 8.)

**Activity meetings:** Tu 8-9:50am and 10-11:50am in LA5-151.

**Holidays:** April 1-5 (Spring Break). That’s it.

**Objective:** Learn the theory and applications of multivariable calculus.

**Text:** Stewart, *Essential Calculus: Early Transcendentals*. We will cover most of Chapters 10-13.

**Prerequisite:** MATH 123 (Calculus II) with a C or better, and permission from UHP.

**Grades** will be determined as follows:

- **Homework:** 20% Assignments are on [www.webassign.net](http://www.webassign.net) (your Institution is csulb and your Class Key is csulb 0900 7675) and are generally (not always) due on Tuesdays at midnight.

- **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% These will be given during the Tuesday activity period, the midterms on **February 26** and **April 9** and the quizzes on **February 5**, **March 19**, and **April 23**. Content TBA.

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

- **Final exam:** 30% This will be a comprehensive test in the classroom (LA5-263) at 8-10am on Monday, May 13.

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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>85-100%</td>
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<tr>
<td>B</td>
<td>70-85</td>
</tr>
<tr>
<td>C</td>
<td>60-70</td>
</tr>
<tr>
<td>D</td>
<td>50-60</td>
</tr>
<tr>
<td>F</td>
<td>0-50</td>
</tr>
</tbody>
</table>

**Withdrawals** are permitted as follows:

- Until **Sunday, February 3**, you may withdraw without getting any signatures and without any record of the course appearing on your transcript.

- Until **Friday, April 19**, withdrawal requires signatures from me and from the Department Chair. (Plan early since it’s sometimes hard to track people down for signatures.) A “W” grade will appear on your transcript.

- Until **Friday, May 10**, “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.

**Homework due Wednesday, January 23:** Go to the course website and print and complete the Student Information Sheet. Also try logging into WebAssign (Institution: csulb; Class Key: csulb 0900 7675) to make sure you can; the first assignment is due on **Thursday, January 24**.

**Emergencies:** Save and use the Campus Police number (it’s faster than 911): 562-985-4101.

That’s when I learned that guns can blow a vato away. But calculus? Calculus can blow a mind away. — Bojack Horseman
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, dating 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: Equity & Diversity for Title IX needs: [http://www.csulb.edu/equity-diversity/title-ix](http://www.csulb.edu/equity-diversity/title-ix) CSULB University Police Department [https://www.csulb.edu/university-police/title-ix](https://www.csulb.edu/university-police/title-ix), The Women’s & Gender Equity Center, [http://web.csulb.edu/divisions/students/wrc/sexual_assault/](http://web.csulb.edu/divisions/students/wrc/sexual_assault/), and the Counseling & Psychological Services (CAPS) Office [http://web.csulb.edu/divisions/students/caps/](http://web.csulb.edu/divisions/students/caps/) and Student Health Services: [http://web.csulb.edu/divisions/students/shs/sexual_assault.htm](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](http://www.csulb.edu/titleix).

More information on emergencies

- University Emergency Preparedness Instructions: [www.csulb.edu/divisions/aa/emergency/documents/FacultyEmergencyPreparednessHandout20130729.pdf](http://www.csulb.edu/divisions/aa/emergency/documents/FacultyEmergencyPreparednessHandout20130729.pdf) The closest exit for LA5-263 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](http://www.csulb.edu/~wmurray/CNSMEmergency.pdf)