Math 3B
Calculus with Applications 2
Summer 2012
MTWH 2:00 - 3:05 PM   PSYCH 1924

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Instructor: Brent Albrecht
Office: SH 6431M
Office Hours: TW 12:30 - 1:30 PM or By Appointment
E-mail: brentalbrecht@math.ucsb.edu
Website: http://math.ucsb.edu/~brentalbrecht/

Assistants: John Kaminsky   Jon Lo Kim Lin
                SH 6432U   SH 6431W
                W 11:00 AM - 12:00 PM   H 11:00 AM - 12:00 PM
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Course Description: Integral calculus including definite and indefinite integrals, techniques of integration, with applications in mathematics and physics.

Objectives: To convey to the students the beauty and utility of integral calculus, and to illustrate some of its applications in science and engineering.

Text: Single Variable Calculus - Early Transcendentals, 7th Ed. by James Stewart or a Similar Text (cf. http://www.math.ucsb.edu/ugrad/textcompare3B.htm).

Discussion Sections: Each student must enroll in one of the associated discussion sections. Attendance at discussion sections is mandatory.

Quizzes: There will be a weekly quiz in the discussion sections.

Homework: Homework assignments are to be completed online at http://homework.math.ucsb.edu/webwork2/Math3B-01-M12-Albrecht/. Each student's initial username and password is his/her perm number. It is highly recommended that each student change his/her password immediately after logging into the system for the first time. Homework assignments are due at 1:50 PM on Mondays unless otherwise specified.

Calculators: Students may use calculators when completing homework assignments. Graphing calculators are prohibited during quizzes and exams.

Exams: There will be two midterm exams and one comprehensive final exam.
                Midterm I: 2:00 - 3:05 PM on Monday, 20 August 2012
                Midterm II: 2:00 - 3:05 PM on Tuesday, 4 September 2012
                Final: 2:00 - 5:00 PM on Friday, 14 September 2012
There are no make-up exams. If a student misses a midterm exam due to illness or other extenuating circumstances, it is his/her responsibility to bring me a note from a medical worker or a person in a position of authority verifying the circumstances that he/she describes. If it is at

all possible, he/she should let me know beforehand that he/she will be missing a midterm exam. I reserve the right to make evaluations on a case-by-case basis.

Grading: Quizzes   10%
               Homework   10%
               Midterm I   20%
               Midterm II   20%
               Final   40%

Academic Integrity: Students are expected to uphold the highest standards of academic integrity. While students are encouraged to collaborate on homework assignments, their submitted work should accurately reflect the results of their individual efforts. Students must do their own work during quizzes and exams. Talking, having discussions, comparing papers, copying, and collaborating are not allowed on quizzes and exams. The use of graphing calculators, notes, and communication devices such as cell phones is also prohibited during quizzes and exams. Academic dishonesty will result in the failure of written work and may lead to failure of the course and/or university disciplinary action.

Additional Resources:
   1. The Math Lab in South Hall 1607 is open on Monday - Thursday from 11:00 AM - 4:00 PM and on Friday from 12:00 - 3:00 PM.
   2. Campus Learning Assistance Services (CLAS) has a number of resources that I recommend students utilize. Interested students should visit http://clas.sa.ucsb.edu/ for more information.

Other Important Dates: Tuesday, 21 August 2012 is the last day to drop the class.
                              Monday, 3 September 2012 (Labor Day) is a university holiday.

Accommodations: Any student requiring accommodations or services due to a disability must contact the Disabled Students Program. The program office is located in Room 2120 of the Student Resource Building. The program's website is http://dsp.sa.ucsb.edu.   I encourage any such students to contact me as well.

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"Philosophy is written in this grand book – the Universe – which stands continually open to our gaze, but it cannot be understood unless one first learns to comprehend the language and interpret the characters in which it is written. It is written in the language of mathematics, and its characters are triangles, circles, and other geometrical figures, without which it is humanly impossible to understand a single word of it."

                                                  - Galileo Galilei