Calculus 2
MATH 31 – Fall 2016

Instructor: Dr. Joshua Wiscons
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Office: Brighton (BRH) 144
Office Hours: **M** 2:00PM–3:15PM, **W** 9:00AM–9:45AM, **Th** 1:45PM–3:00PM, and by appointment
Course Webpage: webpages.csus.edu/wiscons/teaching/math31_f16.html

Prerequisites Grade of C- or better in Math 30 or appropriate AP credit. You must show me that you have met this prerequisite by the end of the first week of classes; any student who fails to do so will be dropped.

Book *Calculus: Early Transcendentals*, Eighth Edition; by James Stewart. You also need to purchase a WebAssign access card. A link to purchase a looseleaf version of the book together with WebAssign access can be found on the Mathematics department webpage at www.csus.edu/math/courses/textbooks/textbooks.htm. (WebAssign also provides an online electronic version of the book while you are enrolled in the course.)

Typical Day A typical class meeting will consist of a period of groupwork, discussion, and student presentations followed by a mini-lecture from me.

Course Components

WebAssign Homework. There will be WebAssign assignments (usually) due **Monday** and **Thursday** evenings. You will have 5 attempts per problem. The main goal of these problems is to build your comfort and confidence with the core techniques of the course. You are *allowed and encouraged* to work together, but you are expected to **enter your solutions on your own**.

Written Homework and Quizzes. I will post weekly homework assignments in SacCT. Each **Friday** I will either collect your written work or you will be given a quiz that is similar in spirit to the homework problems. You are *allowed and encouraged* to work together, but you are expected to **write up your solutions on your own or with a single partner**. Your on-paper work (including quizzes) must be written clearly, must include all supporting work, and must be professional in appearance.

- (Clarity) I will take off points if the work is not easy to follow, even if the solution is correct.
- (Supporting work) I will take off points if the work is not sufficiently justified.
- (Professionalism) I will take off points if the work is not professional in appearance. In particular, do not turn in work on paper torn out of a spiral notebook or work with parts scribbled out. Origami staples are usually frowned upon as well.

Discussion. Learning to discuss mathematics will be a highly valued part of this course. This component will evaluate your progress in areas such as ability to present a solution (with clarity and thoughtfulness), ability to share and shed light on your difficulties and failures, and ability to listen critically and respond accordingly, e.g. catching errors and asking follow-up questions.

Exams. There will be 3 midterm exams *tentatively* scheduled for Sept. 21 (Wednesday), Oct. 21 (Friday), and Nov. 23 (Wednesday). There is also a comprehensive Final Exam scheduled as follows.

     Section 02 (10AM)   Friday, Dec. 16 from 8:00 AM–10:00 AM
     Section 04 (12PM)   Wednesday, Dec 14 from 10:15 AM–12:15 PM

Grade Composition

WebAssign Homework	10% (the lowest 2 scores will be dropped)
Written Homework and Quizzes	12% (the lowest 1 score will be dropped)
Discussion	13%
Midterm Exams	45% (lowest score - 12%, middle score - 15%, highest score - 18%)
Final	20%

WebAssign We will use the online homework system, WebAssign. No special software is needed, just an internet connection and browser. You need to self enroll in WebAssign. I have included directions below, which will be repeated on our SacCT course page.

1. Go to www.webassign.net/login.html
2. Click on the red button that says "I HAVE A CLASS KEY"
3. Enter the key for our class: **csus 8394 3669**
4. Enter a username (I recommend using your Sac State username, which should be everything that comes before the @ symbol in your Sac State email address.)
5. Enter **csus** for the institution.

You will have free trial access for the two weeks of the semester, which *includes access to an electronic version of the book*. After that date you will be required to purchase an access code (which should come bundled with the text if you bought it through the department's webpage).

Peer Assisted Learning (PAL) Sessions There are optional adjunct sections (NSM 12F, Peer-Assisted Learning MATH 31) that students can take concurrently with Math 31. These are offered several times per week (see class schedule.) NSM 12F is a one-unit course, graded Credit/No Credit, which is facilitated by undergraduate students (PAL leaders) who have successfully mastered the material in Math 31. In these PAL sections, Math 31 students will work in small groups on worksheets dealing with the course topics. Spaces in NSM 12F are limited and are filled on a first-come first-served basis.

Even if you do not enroll in NSM 12F, you may still go to the PAL leader office hours for help. Office hours of the PAL leaders are held in Sequoia (SQU) 248 and the times will be announced when they become available. Times of office hours will also be posted outside the door of SQU 248.

Getting Extra Help Mathematics is hard. Try hard. But don't be surprised if that is not always enough. Talk with your classmates. Talk with the Math Tutoring Lab tutors (in BRH 118). Talk with me. But please try to avoid asking "how do I start." Instead, try to rewrite the problem in a way that is more meaningful to you and then ask, "does my interpretation of the question seem correct." Very often, the act of "simply" reformulating a problem will lead to insight about its answer.

Technology The emphasis of this course is on conceptual understanding. The use of calculators is not permitted on midterm exams or on the final exam. Feel free to use calculators and/or computer software programs on the homework assignments, but keep in mind that you cannot use them on exams or quizzes. (I am a big fan of Desmos for graphing and WolframAlpha for other computations.)

General Education GE Area: B4 (Mathematical Concepts and Quantitative Reasoning)

Learning Outcomes Solve problems by thinking logically, making conjectures, and construction valid mathematical arguments. Make valid inferences from numerical, graphical, and symbolic information. Apply mathematical reasoning to both abstract and applied problems, and to both scientific and non-scientific problems.

Writing Component The course will have a writing component, evaluated for clarity and style and aimed at improving the students' ability to write logically precise, well-structured, and well-justified mathematics.

Disabilities Any student with a documented disability needing academic adjustments or accommodations should speak with me privately during the office hours in first two weeks of class. Please provide me with a copy of your accommodation letter from the Services to Students with Disabilities (SSWD) office. All discussions will remain confidential.

Cheating Cheating will result in disciplinary action and will be reported to the Office of Student Conduct. If you are unsure what constitutes cheating, please speak with me and review Sacramento State's *Academic Honesty Policy and Procedures* document here: www.csus.edu/umanual/student/stu-0100.htm.