## Office Hours
M 1:30 - 2:45 p.m., T 11:15 a.m. - 12:10 p.m., W 9:05 - 10:00 a.m., F 11:15 a.m. - 12:10 p.m., and by appointment.

## Prerequisites
Math 1080 (Trigonometry) or Math 1100 (Precalculus) or equivalent with a grade of “C−” or better. Please be aware that these prerequisites are in place for a reason. If you do not have a solid working knowledge of basic trigonometry and precalculus concepts, you will likely find this class to be very challenging.

## General Education
This course satisfies the General Education area B3 requirement as outlined in the Breadth Requirements found in the CSUS General Catalog.

## Calculus Lab: Math 1412
The Mathematics Department offers a one-unit laboratory course (Math 1412) that is associated with the Calculus I classes. This lab section is required for all students who intend to complete the Subject Matter Preparation Program in Mathematics, the program that a math major completes if he/she intends to enroll in a secondary school teaching credential program and teach high school mathematics. Even if you are not required to enroll in the lab, I encourage you to consider it, as it will show you how computer technology can be used in calculus while providing additional practice with the concepts from our class.

## Textbook
There are two versions of the text to choose from:

- If you do not plan to take Math 1420 (Calculus II), then you should get Single Variable Calculus, Volume 1 (6th edition) by James Stewart.
- If you plan to take Math 1420 (Calculus II), then you can get either Single Variable Calculus, Volume 1 (6th edition) or Single Variable Calculus (6th edition) by James Stewart.

We will cover Appendices A - D and most sections in Chapters 1 - 6. The first six chapters and the relevant appendices of each book are identical. If you plan to take Math 1420 and purchase Volume 1, you’ll need to buy Volume 2 later. You should get whichever book(s) give you the cheapest overall price. If you choose to use an earlier edition, it is your responsibility to seek out a fellow classmate to ensure that you are completing the required problems. I will not give any homework time extensions if you do the wrong problems – this is one reason why I drop a homework assignment.

## Student Learning Objectives
By the time this course is finished, students will . . .

1. Understand the idea of a limit and how it plays a central role in calculus.
2. Be able to define the derivative, describe how derivatives arise in various situations, and compute derivatives of an assortment of functions.
3. Know how to apply the derivative in a variety of real-world situations.
4. Be able to define the integral, describe how integrals arise in various situations, and compute integrals of basic functions.
5. Understand how derivatives and integrals are related.
6. Be able to apply the integral in various real-world applications.
**Attendance Policy and In-Class Expectations**

I have no compulsory attendance policy, but I strongly urge you to attend each class. If you miss a day, it is solely your responsibility to seek out another student or myself to find out what you missed. If you arrive to class late, please feel free to come in but do not be disruptive, out of courtesy to your fellow students. Should class attendance become a problem, I may give unannounced attendance quizzes. If you miss an attendance quiz, I reserve the right to grant or refuse a make-up quiz.

**Written Homework**

Typically, homework will be assigned on Wednesdays and collected at the beginning of class on the following Wednesday. The first assignment is an exception to this rule – it will be given out on the first day of class and will be due on Wednesday, September 10.

Assignments will be given in class and posted on the course web site. Homework will have four components:

1. **Reading**: I expect you to read the text as assigned. It is important to keep up with the reading throughout the semester, but I realize that reading math is sometimes frustrating. Try to work through your struggles, and see me if you need help.

2. **Practice Problems**: I assign many problems for homework. Most will be for practice. I encourage you to work on these problems, as some will appear on tests.

3. **Problems to Turn In**: Each assignment will also contain a list of problems that will be collected. About half of them will be done on paper and collected in class.

4. **WeBWorK Problems**: Approximately half of your turn-in problems will be submitted over the Internet. Refer to the next section of the syllabus.

Within each written assignment, 10% of the points will be assigned for presentation. To get these points, I expect your homework to be stapled (if necessary) and well-organized. Your work must be clear and legible and not look like scratch work. For example, if the homework grader must spend 3 seconds deciphering your writing, or if the grader has to skip from page 2 to page 6 to page 1 to read one problem, you will not receive full credit for presentation. Presentation points will be awarded at the discretion of the homework grader.

Moreover, our department has very limited funds for homework graders. It is entirely possible that only some of the written problems could be graded on a given assignment. If this happens, some points will be assigned as completion points, which will be given for making a solid attempt at solving all of the ungraded problems, regardless of accuracy. Such points will be awarded at the discretion of the homework grader.

I encourage you to work with your peers on the homework and course topics. Working with others allows you to bounce ideas off of your classmates, which can lead to a better understanding of the topics. But I expect you to submit your own work (unless I specify otherwise). Don’t copy other people’s work, as that is academically dishonest.

Late homework will never be accepted under any circumstance, except at the instructor’s discretion. To compensate for this, I will drop your lowest homework score when determining grades.

**WeBWorK Problems**

This semester, we will be using an online homework system, known as WeBWorK, for some of the assigned problems. Sometime on or before Wednesday, September 10, you will receive a sheet providing you with a username and password for your account and instructions for accessing the web site. If you miss class on the day the account information is distributed, it is solely your responsibility to get your account from me.

Assigned problems will be available on Wednesdays and are due on the following Wednesday by 12:00 noon. WeBWorK problems will usually come from the same sections as the current written homework assignment. If an unexpected system crash occurs before a WeBWorK set is due, I will announce in class any changes in due date or submission format. When determining grades, I will drop your lowest WeBWorK score.
Quiz and Exam Schedule
Quizzes, two in-class midterms and a final exam will be given. See the attached schedule for the exam and quiz days. No notes or books of any kind will be allowed on exams. Unless I specify otherwise in class, calculators will not be allowed.

If you know in advance that you must miss a test, discuss this with me immediately. Otherwise, I do not give make-up exams unless extraordinary and compelling reasons arise. When computing course grades, I will drop your lowest quiz score. No midterm or final exam scores will be dropped.

Grading Policies and Scheme
The following grading scheme will be used:

- 9% Homework
- 8% WeBWorK Problems
- 13% Quizzes
- 18% Low Midterm
- 22% High Midterm
- 30% Final Exam

I will drop your lowest homework score, lowest WeBWorK score, and lowest quiz score when computing course grades. Moreover, I will use the plus/minus grading system. For the final course grades...

- If you score at least 90%, you are guaranteed at least an “A−.”
- If you score at least 80%, you are guaranteed at least a “B−.”
- If you score at least 70%, you are guaranteed at least a “C−.”

If you decide to change your grading option for this course, you must do so by the date specified on the attached schedule. Unless extraordinary and compelling reasons exist, I will not consider option changes after the given date.

Points from different categories are like different currencies. Just as a Canadian dollar is not worth the same as an Australian dollar, a homework point is not worth the same as a midterm point. You are always welcome to ask me about your current course score, but I do not implement curves until the end of the term. In my experience, I have found that students benefit more from a curve on the entire course than individual curves on every assignment and test.

Unless I state otherwise, you must show your work to receive full credit for a correct answer. No work = no credit. The only consistent exception to this rule will be with the WeBWorK problems. If you wish to contest the grading of a problem or assignment, please ask me. I am always happy to review a graded problem and provide clarification on how something is graded.

Cheating Policy
I consider cheating to be a serious offense, as it demonstrates a blatant disregard for the rules and disrespect for me and your fellow students. Moreover, academic dishonesty of any kind deprives you of the education that you (or someone else) are paying a lot of money to get. If you are caught cheating, you will automatically receive a zero score, which will be counted as either your higher test score (in the case of midterm cheating) in the grading policy or as an undropped assignment or quiz. Depending on the circumstances, you may also automatically receive an “F” for your course grade. Cheating incidents are reported to the Coordinator of University Discipline for further action. The consequences for cheating are severe, so don’t do it!

Please keep in mind that cheating can take on various forms. Use of the Complete Solutions Manual is one form of academic dishonesty, as that manual is intended for instructors only. Discussing any part of any exam with an individual who is taking the test later is also cheating. Something as simple as one person telling someone who is scheduled to take a test later that the exam was hard/easy is academically dishonest. Any action that gives an individual any kind of unfair, unethical advantage is considered academically dishonest, whether done intentionally or not.
Cell Phones and Classroom Behavior
Please show courtesy for me and your fellow classmates by turning off and putting away your cell phone during class time, especially during exams. Any use of a cell phone during class will result in either its confiscation until class has ended or your dismissal from class for the day. If you need to leave your cell phone on for an emergency reason, please speak with me about it before class.

Moreover, if you attempt to use your cell phone or if it rings during a test, you will be considered to have finished your test, and I will collect your exam immediately. Repeated violations of the cell phone policy during exams will constitute cheating and will be subject to the actions listed above. To avoid problems, consider leaving your cell phone elsewhere on exam days.

Any disruptive behavior that interferes with the learning environment of others will not be tolerated and may lead to disciplinary action and/or removal from class.

Students with Disabilities
Upon identifying themselves to the University, students with disabilities will receive necessary accommodations for learning and evaluation. I cannot make accommodations until the student has filed all appropriate paperwork and Disability Resource Services has notified me of the appropriate accommodations.

Students in Athletics
If you are a student athlete, it is your responsibility to provide me with a letter from your coach containing a listing of all days in which you will be absent. Accommodations will be only be made if I receive the letter from your coach at least 7 business days in advance, with appropriate exceptions for the first week of class. Only written notices from your coach will be accepted. Take care of this at the beginning of the semester.

Syllabus Changes
If changes to this syllabus are necessary, I will provide them in writing during class and post them on the web site. If you miss class on a day in which I announce changes, it is your responsibility to obtain them.

Other Comments
Calculus is a wonderful and challenging branch of mathematics that has many applications in the real world. The pace of this course will be fast and we will cover many topics, such as limits, derivatives and their applications, basic integration, and the fundamental theorem of calculus. I will work hard to do the best job that I can in explaining the ideas and helping you to learn them. But I expect you to meet me half-way with your hard work. It is not difficult to fall behind in this class, so I strongly recommend attending class regularly and keeping up with the material. If you get stuck or fall behind, come see me immediately so I can help you in getting caught up. Please don’t be afraid to see me – I don’t bite. 😊 I am more than happy to help you, and I want you to learn and succeed in this class. Good luck this semester!