Math 151 Syllabus

CALCULUS II

(subject to change)

Professor

(Prefer to be called) Professor G  
Office 2219 Bell T.  
Phone 437-2769 (really emergencies)  
jorge.garcia@csuci.edu

Office Hours  Rarely Appointments, on request.

4:30 → 5:30 on Thursday  Exclusively for you
10:00 → 11:00 on Thursday  For someone else and you

Required Text  Calculus, Early Transcendentals, by J. Stewart.

Grading Policy

<table>
<thead>
<tr>
<th>Description</th>
<th>Percentage</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 1</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Midterm 2</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>Final</td>
<td>25</td>
<td>125</td>
</tr>
<tr>
<td>Homework</td>
<td>20</td>
<td>075</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15</td>
<td>050</td>
</tr>
</tbody>
</table>

Roughly, this will be the scaling:

<table>
<thead>
<tr>
<th>grade</th>
<th>A+</th>
<th>A-</th>
<th>A</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>cut-off</td>
<td>98%</td>
<td>93%</td>
<td>90%</td>
<td>88%</td>
<td>83%</td>
<td>80%</td>
<td>78%</td>
<td>73%</td>
<td>70%</td>
<td>60%</td>
</tr>
</tbody>
</table>

Additional information:

- Course web site  http://math.csuci.edu/  Go to Courses and find yours.

- No cell phones allowed in class, absolutely. If the a cell phone rings in class, I assume it is an emergency and consequently you must leave the class and go and attend that emergency, do not return, come back next class.

- Each time you turn a late-homework do as follows: Write at the top: 2 points less per late day.  Example:  If homework was due on Thursday and you turn it on Tuesday write at the top 6 points less. A late-homework will not be accepted if not such mark is done by you.  You have the right to turn two late-homeworks or less, each one of such must contain the mark described above.

- When writing a homework, you must do as in the following example

  - Peter Smith  (written at the upper right corner)
  - Section 13.2   (underlined twice, under the name)
  - (Each problem number must be circled)
• In the exam never come to me and ask me: Am I right?, neither ask me for a definition. If you must ask something in the exam do it in extremely low voice when you come to me, usually there are no questions.

• The question: I do not know what homework is due does not stand, the rule is: Whatever we covered on Tuesday, Thursday is due Thursday, Tuesday respectively.

• The statement: I do not want to go to the board because I do not know how to do it is not valid, you came to this class because you are going to learn how to do it, and you and everybody else in class has the capability of solving a problem, I shall help you.

• If you do not come to class, do not expect a good grade in the exam. If you do not dedicate at least 10 hours per week to Calculus never expect an A. If you do not work in teams, do not pretend to say you are a social or cooperative or participating student in class.

• Whenever you are told to work on your own in the class, you must not look at me or the others but work on your own.

• The exam may contain some problems I did not cover in class, they may be taken from the first examples in the book about the sections we are covering. You are really supposed to read the book in this class.

• At the end of the semester do not come and say: I think I deserve a better grade even if I did not do some homeworks, as I said, homeworks count 25 percent and quizzes count 15 percent, I hope percentages are cleared. The words: I think I deserve to pass this class because I work hard and I put all my effort, are a fantasy, the scale for grading is written above.

• One hour before each exam, you are not allowed to interrupt the professor.

• My students do not have exam conflicts, and if they do, they tell me during the first two weeks of the semester.

• I will not go and pray to you: Could you give your homework assignment to me please? You are responsible of turning them in.

• What do I need to do to get an F or D in this class? Study Calculus at home just one hour a day. Do the homework assignments the night before it is due. Do not form teams to solve homework assignments, discuss with yourself and your inner-self only. Never participate in class. Sleep while professor is talking. Come late quite often. Ask your professor to tell you what and when is the quiz coming, that will guarantee you do not have to study, only when there are quizzes or exams. Never have new or different ideas, that is against the good moral. Stop going to the tutor center for help. But more important, if you really want that D or F, always question the knowledge before comes to you. By the way, also, do not come to office hours, that will discover you are dedicating out-of-class time to Calculus.
**Course Description** We will study techniques of integration, derivatives, solids by revolution, double integrals, sequences and series vector functions and partial derivatives. By the end of this semester you are suppose to be an expert in calculus I and an amateur in calculus II, you will remember these words.

A formulary done with your hand writing will be allowed in class. I will provide you with the material to make it. Calculators are not allowed in the exams or quizzes. You can use your mind-calculator to compute 7 times 6 or the sin of 30 degrees or x times x cube, if you are unable to do these computations in your mind, you may drop the class before it is too late. Fractions are not a plus in this class, it is a requirement.

Real life applications of math involve calculus. People who have graduated sometimes swear they do not use calculus in their jobs. They lie. Calculus is used every day, in the coins that you drop, the temperature of your coffee, if you do not drink coffee think of the coffee I drink, calculus is present in the speed of your car, in the area of your body, in the limit of your thoughts, in the non-differentiability of the functions you face everyday but you do not recognize, the waves of the sea, the sounds of a bird, the path of your walking, the curves of your lips. Even if you do not apply calculus directly after you graduate, your brain will not work the same if you have not taken it. Calculus and math is a tiny mental gym for giant-idealistic people, like you or your friend. Imagine if you never come to this mental gym, you will be lost forever in the darkest zones of the ignorance. Creativity in Calculus is necessary. Let your imagination fly and remember that people who have no hopes nor dreams nor fantasies are easy to control, and whoever has control has the power.

Useful math softwares are Mathematika, Matlab, Maple, and others. If you want you can obtain the Maple software student version for a reduced amount, it is very helpful in our class. Check http://www.maplesoft.com for further details. Matlab is cheaper and it has advantages, economical mainly. Mathematika is a powerful graphing tool that you can obtain too.

**Read the textbook.** You are suppose to read the book, even if you do not understand, read and come and tell me what and why you did not understood.

**Homework:** The homework problems will be assigned in class or via e-mail. Exams will be based on HW. I will grade randomly some of the problems you turn in, and this is the rule, do not come later and tell me: *It is not fair I got 6 points out 9 if I missed just one problem out of 10, you may have missed the one I was going to grade.* Homework may be placed under my office door up until 5 p.m. the day it is collected. After 5 p.m., homework will not be accepted unless is marked late.

**Miscellaneous Points:** To encourage you to develop good learning practices, you may earn points (including extra credit points) for various activities. This may include a project, participation, etc.

Make-up exams will be given only under extreme circumstances: students who must miss class should arrange to take the exam ahead of time. Travel plans do not constitute a legitimate reason for rescheduling an exam. Any rescheduling of exams is at the discretion of the instructor: plan ahead, and communicate.

Get tutoring at the Bell Tower, next to the Java cafeteria. Check periodically the course page.
Come to my oce and discuss your problems, email me or schedule an appointment, do not be shy to ask silly questions. I love to explain in my oce hours those basic things that people are afraid to ask in class.

**Academic Honesty.** Work on exams must be your own. At all other times, I strongly encourage you to collaborate. If someone helps you, give her or him the credit, and write your own explanation. Each member of every group is responsible for his or her own understanding of the work submitted.

All work that students submit as their own work must, in fact, be their own work. For example, if a paper presents ideas of others, it must clearly indicate the source. Word-for-word language taken from other sources books, papers, web sites, people, etc. must be placed in quotation marks and the source identified. Likewise, work on tests and exams must be the students own work, not copied or taken from other students work, and students must comply with instructions regarding use of books, notes, and other materials.

In accordance with the CSU Channel Islands policy on academic dishonesty, students in this course who submit the work of others as their own (plagiarize), cheat on tests and examinations, help other students cheat or plagiarize, or commit other acts of academic dishonesty will receive appropriate academic penalties, up to and including failing the course.

Papers with plagiarized ideas or language will be graded F and must be rewritten with proper use of quotations and referencing. The grade of F will remain the recorded grade on that assignment.

Plagiarism or cheating on tests and exams will result in an F on the test or exam, very likely resulting in a lower or possibly a failing final grade in the course.

To complete course requirements, students must retake the test or exam during the instructors scheduled oce hours.

In cases where the cheating or plagiarism was premeditated or planned, students may receive an F for the course.