

**Math 142 - Calculus II**  
Spring 2007 Course Information  
University of South Carolina

**Instructor:** Matthew Gamel  
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**Lab Instructor:** John Webb ([webbjj3@math.sc.edu](mailto:webbjj3@math.sc.edu))

**Course Description:** This course continues the ideas begun in Math 141 (Calculus I). We shall cover applications of the definite integral, methods of integration, sequences and series, and polar coordinates. We may cover other topics if time permits.

**Prerequisites:** Math 141 (Calculus I) or an appropriate grade on the mathematics placement exam.

I expect you to feel relatively comfortable with the prerequisite material. If you are concerned about your level of preparedness for this course, please contact me at your earliest convenience.

**Meeting Time and Place:** Lecture meets on Tuesdays and Thursdays from 5:30-6:45 in LeConte 115. Recitation meets on Wednesdays from 5:30-6:20 in LeConte 405. Labs meet on Mondays from 5:30-6:20 in LeConte 102.

**Textbook:** The textbook for this course is Anton, Bivens, Davis *Calculus: Early Transcendentals*, 8th edition.

**Calculator Policy:** No calculators will be allowed on exams or quizzes unless otherwise specified. The rule of thumb, however, is no calculators.

**Attendance:** Attendance to lecture and recitation is expected but not required. You will, however, be responsible for material missed in class. Out of the standard three semester calculus sequence (Calculus I, II and vector calculus), I have found that this course tends to be more difficult for most students so attendance is extremely important.

Attendance to lab sessions is mandatory. Points will be deducted if a student misses more than two labs.

**Student Conduct:** In order to maintain an atmosphere that is conducive to learning, I request that you please: turn off all cellular telephones, refrain from talking amongst yourselves once the lecture begins, be courteous and respectful to others, do not show up to class excessively late, do not leave class once you have arrived, and so forth.

Problems with boorish/uncivilized conduct will be dealt with swiftly and harshly.

**Cheating:** Cheating of any form will not be tolerated. If I catch you cheating, you will receive an automatic F for the course.

**Course Structure:** This is a 4 credit hour course that has three components: a lecture, a recitation, and a lab session.

I shall give quizzes during the recitation section and the remainder of the time will be used to either work homework problems or to reteach material that students may be struggling with. This is primarily for your benefit so I suggest that you take advantage of this.

The lab session serves primarily two purposes: (a) to introduce you to a modern symbolic computer algebra system and (b) to help solidify the concepts you learn in lecture. John, your lab instructor, will discuss more about this when you meet.

**Homework:** Homework problems will be assigned but not collected. It is in your best interest to attempt every homework problem that is assigned as quiz problems will be derived from homework problems. *Math is not a spectator sport* so it is essential that you work the homework.

**Course Evaluation:** You will be evaluated on the basis of three in class examinations, one comprehensive final, a weekly quiz, and your lab grade. There may also be other assignments given that count separately during the course of the term.

The breakdown of your lab grade will be discussed when you meet in your lab session.

The weekly quiz will be given during recitation and will cover material from the previous week's homework. The quiz problems will either be copied verbatim from the homework or will be similar to homework problems. I will allow you to drop at least one quiz during the semester. This policy exists primarily to accommodate those who are sick or, for some reason, are unable to attend recitation. Consequently, NO makeup quizzes will be given. Be sure to wisely choose the days that you miss class.

Exams cannot be made up except in very extenuating circumstances. Unless there is a good, legitimate reason, I will not allow make up exams.

**Course Grades:** There is at least 700 points for the course. *There may be more points if other assignments are given!* The following chart should give you an idea of the breakdown of the points:

Quizzes	100 points
Exams	3 @ 100 points each
Final	200 points
Maple Lab	100 points
<b>Total</b>	700 points

Your guaranteed letter grade will be determined by the percentage of total points you have earned for the course: **100%-90% = A**, **89%-85% = B+**, **84%-80% = B**, **79%-75% = C+**, **74%-70% = C**, **69%-65% = D+**, **64%-60% = D**, **59% and below = F**.

**Fine Print:** I reserve the right to make changes to this syllabus and to course procedure. I will inform you in class when and if these changes are made.