

Project Based Calculus I (1016-281)

Fall Quarter, 2008-1

Instructor: <i>Matthew E. Coppenbarger</i> E-Mail: mecзма@rit.edu Website: http://people.rit.edu/mecзма Phone Number: 475-5887 Office: 08-3234 Office Hours: <i>See website</i>	Teaching Assistant: <i>Justin Blackchief</i> E-Mail: rockytpc4@yahoo.com Bates Study Center: <i>Monday (6-8pm)</i> <i>Tuesday (5-6pm)</i> <i>Thursday (noon-3pm)</i>
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Textbook: *Calculus: Early Transcendentals, Sixth Edition*, by James Stewart.

Remarks:

- CALCULUS IS NOT A SPECTATOR SPORT! Suggestions and questions in class are encouraged.
- Please turn off all wireless devices during class.
- Attendance will be taken every day. It is school policy that a student must have no more than two unexcused absences from the workshops and no more than two unexcused absences from the lectures to earn a course grade better than a C.
- Any student in need of special accommodations should see me sometime in the first week.
- Early alerts will be sent at the end of the third and sixth week of classes.

Homework: The homework assignments are an integral part of the course and must be carefully done as they are the best preparation for exams. Each assignment may take up to a few hours (or more) to finish, so it is important to start early in case you struggle with the material. There will be a total of 9 or 10 homework assignments and the lowest will be dropped. Late assignments will be worth about a third of the normal points available. Homework assignments will be due each Friday in class (except the assignment in week 10 which may be due on Wednesday). The first assignment will be due this Friday.

Quizzes should take 15 to 25 minutes to complete. The length of each quiz is usually one page (front and back). The lowest will be dropped. *A missed quiz cannot be made up.*

Workshops: These are organized around cooperative study where you are expected to work together in small groups. Each group is given a worksheet consisting of interesting applications of calculus that are used to trigger curiosity regarding how to solve real world problems. You will learn from each other, achieving solutions mainly through your own efforts. Grades will be based on three items: the correctness of worksheets, participation, and a project.

Midterm Exams: There will be three midterms and given on Fridays of Weeks 3, 6 and 9. Each should take about an hour to complete (but you will have the entire 2-hour class to complete them). *A missed exam cannot be made up* except due to a genuine emergency.

Final Exam: The final is a two hour cumulative exam given in the 11th week. Note that it is school policy not to give a final exam *before* its scheduled time.

Grading: Grades are assigned using a straight scale (90% and up is an A, 80% and up is a B, etc.). I do, however, reserve the right to lower the grading scale to your benefit. Please note that I do NOT utilize MYCOURSES to maintain your grades. I will keep you apprised of your grade periodically throughout the quarter. The relative weights of each of the previous items are listed in the following table.

Item	Relative Weight	Item	Relative Weight
Homework	10 %	Exam I	15 %
Quizzes	15 %	Exam II	15 %
Workshops	10 %	Exam III	15 %
		Final	20 %

Schedule: We will cover most of Chapters 1, 2 and 3 and the first half of Chapter 4. The following table is for the first three weeks of the course and is **tentative**. The entire schedule is available online and will be updated weekly.

Week	Sections Covered	Monday	Wednesday	Friday
1	1.1, 1.2, 1.3	Sep 1 <i>Workshop #1</i>	Sep 3 <i>Quiz #1</i>	Sep 5 <i>Workshop #2</i>
2	1.5, 1.6, 2.1	Sep 8 <i>Workshop #3</i>	Sep 10 <i>Quiz #2</i>	Sep 12 <i>Workshop #4</i> <i>Homework #2 due</i>
3	2.2, 2.3	Sep 15 <i>Workshop #5</i>	Sep 17	Sep 19 <i>Exam 1</i> <i>Homework #3 due</i>