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Office: Heldrich 101 (Douglass)

Office Hours: Wednesdays, 12:50 to 2:10 pm.

Classes: Wednesdays 9:50-11:10, Fridays 2:50-4:10, in VH 105

Textbook: Strauss, Bradley, Smith, *Calculus*, Vol. 1, 3rd or 4th edition, Pearson. Please read the course overview page

<http://math.rutgers.edu/courses/135/135-f12/courseoverview.html>

to help you decide which version of the book to acquire.

Course web page: <http://math.rutgers.edu/~jsosa/Courses/Math135>

Final exam: Monday, December, 17th, 2012, 4-7pm. (place to be determined)

Course Description

This course is intended to provide an introduction to calculus for students in the biological sciences, business, economics, and pharmacy. Math 136 and Math 138 are possible continuations of this course. There is another calculus sequence, Math 151, 152, and 251, intended for students in mathematical and physical sciences, engineering, and computer science. Taking Math 152 after Math 135 is permitted but is quite difficult. Math 136 and Math 138 do not satisfy the prerequisite for Math 251. Students for whom taking either Math 152 or Math 251 is a serious possibility are strongly encouraged to start calculus with Math 151, not Math 135.

Calculator

Most students find a graphing calculator useful in this course. The recommended calculator is the TI-83 Plus. The lecturer and the recitation instructor can provide limited help in the operation of these calculators. Students may use other brands and models of calculators, but they are on their own if they have problems. Computers or calculators will not be permitted on exams. During quizzes, the use of the calculator is subject to the discretion of the recitation instructor.

Exams

There will be two 80-minute in-class-exams and a cumulative final. The in-class exams will count 100 points each and the final will count 250 points. Exams will be closed-book and student-prepared formula sheets will not be permitted. An official formula sheet will be provided with each exam. The dates are tentatively, Friday October 12th and Wednesday November 28th. The actual dates will be announced in class. The hour exams are written by the lecturer. The final is written by the course coordinator and is the same for all students in Math 135 this semester.

Recitation

Homework problems are assigned for each lecture. Students are expected to work on the problems for a particular lecture prior to the recitation devoted to that material. Homework will not be collected. Students are encouraged to ask questions in recitation about problems with which they had difficulty. At the end of the recitation class there will be a quiz consisting of a few problems similar to some homework problems. Together the quizzes will count up to 75 points toward the term grade.

Absences

If you are absent for an exam, then with proper justification, you may be entitled to a make-up. To that end, you must notify as soon as possible and present the instructor with documentation justifying your absence, for example, a Doctor's note (in case of sickness), a tow truck bill (in case of car problems), a copy of the death certificate (in case of a death in the family), etc. For recitation absence policy, ask the recitation instructor.

WeBWorK

The Mathematics Department provides an interactive, on-line system called WeBWorK that assigns to each student various problem sets and let him/her submit the corresponding answers. Once each answer is submitted, the system will provide feedback (Correct/Incorrect). With few exceptions, there is no limit in the number of tries without penalty. WeBWorK assignments must be submitted on line within the allotted time, between the **Opening** and the **Closing** dates. All the answers for each problem set will be available on and after the **Answer** date.

If you are stuck and want help, please use the "Email My Instructor" button provided on each problem page. This will enable the instructors to see the problem in question, and to reply in a timely manner.

The WeBWorK grade counts up to 75 points toward the term grade and is determined by how many problems the student eventually gets right.

Please be aware of Closing dates: do all your work well ahead. Do not leave work for the last day, as the system tends to get crowded, and limited help can be provided then. Closing dates will likely not be modified.

General Study Guide

As a general rule students should spend 6 to 8 hours a week in reviewing lecture notes, reading the text book, doing homework, review problems and working on WebWork. Do your work honestly. We do encourage group discussion of the material, but each student must make sure he or she is prepared to do solve problems individually on the exams and quizzes, so it is a good idea to do some individual work as well. Keep in mind that the exams and quizzes usually contain similar problems as in homework, reviews or webwork, so make sure that eventually you know how to solve the problems. The best way to do this is by **trying on your own**. In particular, you should avoid as much as possible the use of the solution's manual.

For those of you who think not having all prerequisites I suggest you visit as soon as possible the website "Are you ready for Calculus I?"

<http://www.math.buffalo.edu/rur/rurci3.cgi>

to help pinpoint any weakness in precalculus material that you may have. That way you can start working on it before the material gets dense.

Course Grade Components

Component	Points
Hour Exams	200
Final Exam	250
Recitation Quizzes	75
WeBWorK Problems	75
Total	600

Additional Help

Additional help can be obtained from the instructor during office hours, or via email (please identify yourself with your name, and section). If your schedule does not allow to get additional help during office hours, you can ask for an appointment.

There is a tutoring center on campus. Also Calculus Clinics as well as review sessions are offered at the Math and Science Learning Center, ARC 328 on Thursdays from 2:30 to 4:00 pm For schedules and more information. go to <http://mslc.rutgers.edu>

Remember: Practice Makes Perfect