

Math 153 Fall 2011

Instructor: Dave Keller
Room: Black 150
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Office: Hertz 108 Hrs. 9 to 10 am Mon. – Thur.

Special Points of Interest:

Homework quizzes will be announced and the daily homework may be used during the quizzes. (worth 20 points)

A handwritten 3 by 5 note card may be used on tests.

We will have 3 100-point exams and a final worth 150 points.

The first 3 tests may be retaken outside of class time by arranging time with the instructor.

Group homework assignments will be collected and worth approximately 100- total points.

Project(s) will be worth about 50 points each.

Grades are weighted

(Homework and project) 10% Quizzes 20% Tests 50% Final 20%

Grades A (93 to 100%) A- (90 up to 93%) B+ (87 up to 90%) B (83 up to 87%) B- (80 up to 83%)
C+ (77 up to 80%) C (73 up to 77%) C- (70 up to 73%) D+(67 up to 70%) D (63 up to 67%)

Course Summary

This class is a course that helps prepare students to take Calculus and Calculus based science courses. Tests and homework assignments reflect the ability of students to handle rigorous assessments at the university level.

Goals

- 1) Analyze functions and equations numerically, algebraically and graphically.
- 2) Modeling real world problems with appropriate functions.
- 3) Understand the transformations of functions and connections between functions.
- 4) Using technology to help solve problems, experiments interpret results and verify conclusions.
- 5) Determine the reasonableness of solutions, including sign, size, relative accuracy and units of measurement.
- 6) Appreciating that the procedure is as important as the answer and that a variety of procedures can be used to solve most problems.
- 7) Communicating knowledge in both everyday and mathematical language.

YOU NEED

- 1) Come to class!! Math requires a daily commitment to become successful.
- 2) The required text is Precalculus seventh edition by David Cohen
- 3) You need a graphic calculator (I will be using a TI-83), a ruler, a journal and graph paper.
- 4) Get yourself the help you need. I am more than happy to help you as much as possible. Beyond that, form study groups or get a study partner and take advantage of the math center here on campus.
- 5) Participate in class discussions. The best learning takes place when students ask questions.