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Math 154
Winter 2012

Office Hours: M-F 9-9:50, 11-12:50 and by arrangement

Special points of interest:

- Daily homework is assigned but not collected.

- All quizzes will be announced, worth 20 points, and cover assigned homework problems. Daily homework and notes may be used during these quizzes. Quizzes may not be made up. There will be 6 or 7 quizzes.

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

- We will have 3 100-point exams and a final worth 150 points. All tests are cumulative.

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

- Dates for exams and quizzes will be announced in class.

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

- Two in-class projects will be worth approximately 50 points each.

- Grades are based on total point percentages, calculated to the nearest whole number.
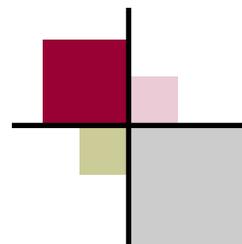
A=93%, B=83%, C=73%, D=63%

A minus grade would be (-3%) and a plus grade would be (+4%)

Course Summary

Precalculus II is a course that helps prepare students to take Calculus and Calculus-based science courses. This course stresses he mastering of Trigonometric functions. Tests and homework assignments reflect the ability of students to handle rigorous assessments at the university level. Basic course goals include:

- Analyzing functions and equations numerically, algebraically, and graphically

- Modeling real-world problems with appropriate functions

- Understanding the transformation of functions and connection between functions.

- Using technology to help solve problems, experiment, interpret results and verify conclusions.

- Determining the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.

- Appreciating that the procedure for solving a problem is as important as the answer, and that a variety of procedures can be used to solve most problems.

- Communicating knowledge in both everyday and mathematical language.

Necessities

1. Come to class. Math, like foreign languages requires a daily commitment to become successful.

2. The required text is Precalculus A Problems-Oriented Approach (7th Ed.)by Cohen.

3. You must also have a graphing calculator. (I will be using a TI-83.)

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.

Assigned Problems-Cohen 7th Ed.

Section	Exercises
6.1	1-35 odd, 51-54
7.4	5-43 odd
6.4	15-23 odd, 29
6.2	1-7 odd, 9, 14, 15
10.1	17, 18, 29, 31, 32, 37, 38
6.3	1, 9, 11, 51-53, 59
7.1	1-13 odd, 17
7.2	25, 26
7.3	5, 15-21 odd
6.4	1-5 odd
7.1	19-25 odd, 27, 28
Exam 1	
8.1	1-21 odd, 25-29 odd, 37-49 odd
8.2	1-6, 19, 21, 33, 35, 56-60
8.3	1-49 odd, 52, 53
8.5	1-11 odd, 15-19 odd
9.1	1-21 odd, 41, 49, 51, 57
9.2	1-11 odd, 17-23 odd, 29, 30
Exam 2	
9.3	1-21 odd
9.4	1-19 odd, 25-31 odd, 47-65 odd
9.5	1-19 odd
10.2	1-7 odd, 15, 16, 21, 40
10.3	1-29 odd, 33, 35, 39, 41
10.4	1, 3, 7, 9, 13-51 odd, 61, 65-69 odd
Exam 3	
10.6	1-23 odd, 45
10.7	1-29 odd
10.5	1-6, 9-17 odd, 20, 21