

Math 1113 Precalculus-Spring 2003 Syllabus and Course Information

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Math 1113 Homepage: <http://www.math.uga.edu/1113/1113home.htm>

Text: PRECALCULUS, UGA edition, by David Cohen

How your grade is determined: Test 1 is a 45 minute 8 question test on basic algebra and geometry and your ability to enter expressions and counts as 5% of your grade. Tests 2-7 are 75 minute tests containing 10-12 questions each and count as 60% of your grade. Beginning with test 3 there will be review questions from previous tests. The tutorial sections from which the review questions will be drawn will be listed in the Current Announcements on the Math 1113 homepage a few days before that testing period begins, make sure you check it. Homework assignments account for 15% of your final grade and must be turned in **on time** to receive credit. The final exam, 3 hours allotted, is comprehensive and counts as 20% of your final grade. If your final exam score is higher than the lowest of your scores on tests 2-7, then your final exam score will replace that lowest one.

Summary of Grading Guidelines:

Test 1 (45 minutes allotted): 5%

Tests 2-7 (75 minutes per test): 10% per test (60% Total)

Homework: 15%

Final exam (3 hours allotted): 20%

If your final exam score is higher than your lowest long test score,
then the lowest long test score will be replaced by the final exam score.

Calculators: Any scientific calculator is allowed for class work and homework.

Makeup tests: Make up tests are allowed if you have a legitimate, verified excuse. Makeup tests are only given on the regular testing days. These dates are on the Homepage under 1113 Syllabus.

Accuracy of answers:

Numerical answers must be correct to 3 significant digits.

Tutorial Disk and Lab Fee Card: Everyone must purchase a \$16 Lab Fee card which at this writing is only available at the University Bookstore. This lab card is to be turned in to the testing lab when you take your first test. I will bring each of you the latest version of the Precalculus Tutorial disk which contains practice test problems, a scientific calculator, and a graphing calculator. The tutorial, complete with the calculators, is also available at several computer labs around campus. The locations of these labs can be found at { [HYPERLINK "http://www.uga.edu/ucns/sites/"](http://www.uga.edu/ucns/sites/) }

TEST INFORMATION:

Testing Lab: All tests are given in rooms 308 and 324 in the Boyd Graduate Studies Research Building . A picture ID is required for each test and you must have signed the Academic Honesty Policy statement.

Lab Hours: 10am - 10pm. No admittance after 10 pm.

There are two testing groups this semester We are in Group 1.

Syllabus and Test Dates:

TEST 1: Thursday, Jan. 16

Tutorial Sections: Orientation I & II

TEST 2: Wednesday, Jan. 22 (no graphing calculator)

Textbook Sections: 4.1-4.3

Tutorial Topics: Functions, Domains, Ranges I and II; Graphs of Functions, Symmetry; More Graphs and Average Rate of Change

Suggested Problems 4.1 #1,3,6,7,11,13,17,25,29,31,33,37,43,49,53

4 7 #1 3 5 7 9 11 13 15 17 21 23 25 27 29 31 43 45 47 55 57

Test 4: Thursday, Feb. 27

Textbook Sections: 5.4, 5.5, 5.6

Tutorial Topics Review: Basic Geometry Formulas; Review:

Distance, Midpoints, Circles; Setting Up Functions I, II, and III;

Quadratic Functions: Applications; Polynomials; Review Pertinent Topics

Suggested Problems 2.1 #3,4,5,11,12a,13,14a,17,19,21,23,25,27,29,33,35,51

5.4 #1-7,9,11,13,15,19,21,23,25,27,31,39,41,51

5.5 #1,3,5,9,11,13,16,20,29

5.6 #9,11,13,15,19,21,23,25,27,29,31,33 (Only graph, and find x- and y-intercepts.)

MIDPOINT OF THE SEMESTER- Friday, March 7

Test 5: Thursday, March 13

Textbook Sections: 6.1-6.7

Tutorial Topics: Review of Properties of Exponents; Logs/Exponential Functions I & II; Logarithmic and Exponential Equations; Compound Interest;

Exponential Growth and Decay; Review Pertinent Topics

Suggested Problems 6.1 #11,13,15,17,19,21,25,29,31,33,35

6.2 #1,7,9

6.3 #1,3,7,9,13,15,17,21,27,29,31,32,33

6.4 #3,5,7,9,11,15,17,43,45,46,49,63

6.5 #1,3,5,9,11,13,15,23,25,31,32,35,37

6.6 #1,3,5,7,9,13,15,17

6.7 #1,3,5,21,23,52,53,55

Spring Break: Monday, March 17 - Friday, March 21

Test 6: Thursday, April 10

Textbook Sections: 7.1-7.4, 8.1-8.3

Tutorial Topics: Trigonometric Functions, Right Triangles I and II, Trigonometric Functions of Angles, Radians and Arc Length, Review Pertinent Topics

Suggested Problems 7.1 #1,3,5,7,13,15,19,49

7.2 #1,3,5,9,13,15,19,25,27,35,37,41,43

7.3 #1,5,7,13,17,20,25,27,30,35

7.4 #1,5,8,9,11,29,51,53,59,63

8.1 #1,3,5,7,9,11,13,19,41

8.2 #1,3,5,7,9,11,13,15,17,21

8.3 #3,5,9,43

Final Exam Reservations: April 21-April 25 on the Homepage under Final Exam Reservations.

Test 7: Monday, April 28

(no graphing calculator)

Textbook Sections: 8.4, 8.5, 8.7, 9.1, 9.2, 9.4, 9.5

Tutorial Topics: Trig Functions: Period, Domain, etc ; Addition Formulas;

Trigonometric Equations; Inverse Trig Functions I and II; Review Pertinent Topics

Suggested Problems 8.4 #3,5,7,9-18

8.5 #1,3,5,13,17,23,27

8.7 #1,5,7,13,23

9.1 #1,3,5,7,11,25,41

9.2 #1,3,9a,9b,17,19,25

9.4 #1,3,5,7,9,11,13,15,17,19,21,23,24,25,26,27,29,31,33,43,44,45,50