Precalculus
(MATH 1045)
Fall 2005

Professor: Paul Bailey

Office: WIL 228

Office Hours: MTWRF 11 am to 12 noon; TR 1 pm to 2 pm

Web Site: http://www.saumag.edu/pbailey

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Book: *Precalculus: Graphs & Models, A Unit Circle Approach*, by Bittinger, Beecher, Ellenbogen, and Penna

Grading

Homework:	10%
Quizzes:	40%
Midterms:	30%
Final:	20%

Homework exercises from the textbook will be assigned daily to be completed before the next class. Write your name, the assignment, and the statement of every problem on your homework. Stable together pages from the same homework assignment. Turn in your homework at the beginning of the next class.

There will be a quiz almost every Friday. No makeup quizzes will be given. Instead, optional extra credit worksheets will be posted on the web site. These worksheets will replace lower or vacant quiz grades. The top ten quiz/worksheet scores will be counted towards your quiz score.

There will be two midterm examinations and a final examination. The final examination has been scheduled by the university for Monday, December 12.

Calculators can be detrimental to the study of mathematics. The use of calculators, cell phones, laptop computers, and all electronic devices is strictly prohibited during quizzes and examinations.

Course Outline

Week	Beginning	Topic	Sections
Week 1	Aug 29	Sets and Functions	Notes
Week 2	Sep 5	Real Variables and Equations	1.1, 1.2, 1.4, 1.5, 1.7
Week 3	Sep 12	Linear and Quadratic Functions	2.1, 2.2, 2.3, 2.4, 2.6
Week 4	Sep 19	Polynomial Functions	3.1, 3.2, 3.3
Week 5	Sep 26	Rational Functions	3.4, 4.1
Week 6	Oct 3	Exponential Functions	4.2, 4.3
Week 7	Oct 10	Logarithmic Functions	4.4, 4.5, 4.6
Week 8	Oct 17	Trigonometric Functions	5.1 - 5.6
Week 9	Oct 24	Trigonometric Identities	6.1, 6.2, 6.3
Week 10	Oct 31	Inverse Trigonometric Functions	6.4, 6.5
Week 11	Nov 7	Vectors and Complex Multiplication	7.1 - 7.6
Week 12	Nov 14	Linear Systems	8.1 - 8.5
Week 13	Nov 21	Conic Sections	9.1 - 9.5
Week 14	Nov 28	Sequences and Series	10.1 - 10.4
Week 15	Dec 5	Combinatorics	10.5 - 10.8