

**College Algebra**  
(MATH 1023)  
Spring 2005

**Professor:** Paul Bailey

**Office:** WIL 228

**Office Hours:** MTWRF 10 am to 11 am; MWF 1 pm to 2 pm

**Web Site:** <http://www.saumag.edu/pbailey>

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**Book:** *College Algebra*, 6<sup>th</sup> edition, by Larson and Hostetler

**Grading**

**Homework:** 20%

**Quizzes:** 30%

**Midterm:** 20%

**Final:** 30%

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. Staple 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 midterm examination will be given on Friday, March 11, 2005. The final examination has been scheduled by the university for Thursday, May 12, 2005.

The usage of calculators, cell phones, laptop computers, and all electronic devices is strictly prohibited during quizzes and examinations, and is discouraged while studying.

**Course Outline**

Week	Beginning	Topic	Sections
Week 1	Jan 24	Real Line and Cartesian Plane	P.1, P.7, 1.1
Week 2	Jan 31	Linear Equations	1.2, 1.3, 2.1
Week 3	Feb 7	Quadratic Equations	1.4, 1.5
Week 4	Feb 14	Functions	2.2, 2.3, 2.4
Week 5	Feb 21	Functions	2.5, 2.6
Week 6	Feb 28	Quadratic Functions	3.1
Week 7	Mar 7	Polynomial Functions	3.2, 3.3
Week 8	Mar 14	Polynomial Functions	3.4
	Mar 21	SPRING BREAK	
Week 9	Mar 28	Rational Functions	4.1, 4.2
Week 10	Apr 4	Conic Sections	4.3, 4.4
Week 11	Apr 11	Exponential Functions	5.1
Week 12	Apr 18	Logarithmic Functions	5.2 - 5.5
Week 13	Apr 25	Linear Systems	6.1, 6.2, 6.3
Week 14	May 2	Sequences and Series	8.1, 8.2, 8.3
Week 15	May 9	Review	