

Calculus II
(MATH 1545)
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>

Email: plbailey@saumag.edu

Book: *Thomas' Calculus*, 10th edition, by Thomas, Finney, Weir, and Giordano

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 Wednesday, May 11, 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 0	Jan 19	Review	1.1, 2.1, 4.1
Week 1	Jan 24	Volumes and Lengths	5.1, 5.2, 5.3
Week 2	Jan 31	Logarithmic and Exponential Functions	6.1, 6.2
Week 3	Feb 7	Inverse Trigonometric Functions	6.3
Week 4	Feb 14	Differential Equations	6.4, 6.5
Week 5	Feb 21	Hyperbolic Functions	6.7
Week 6	Feb 28	Integration Techniques	7.1, 7.2
Week 7	Mar 7	Integration Techniques	7.3, 7.4
Week 8	Mar 14	L'Hospital's Rule	7.6, 7.7
	Mar 21	SPRING BREAK	
Week 9	Mar 28	Sequences	8.1, 8.2
Week 10	Apr 4	Series	8.3, 8.4, 8.5
Week 11	Apr 11	Power Series	8.6, 8.7
Week 12	Apr 18	Vectors in \mathbb{R}^2	9.1 - 9.4
Week 13	Apr 25	Polar Coordinates	9.5, 9.6
Week 14	May 2	Vectors in \mathbb{R}^3	10.1 - 10.3
Week 15	May 9	Quadric Surfaces	10.4