Calculus I
(MATH 1525)
Spring 2008

Professor: Dr. Paul Bailey

Office: WIL 228

Office Hours: MTWRF noon to 1 pm; MWF 1 pm to 2 pm

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Book: *Thomas' Calculus*, Weir, Hass, Giordano, 11th edition

Grade Components

Problems:	20%
Quizzes:	30%
Midterms:	30%
Final:	20%

Homework exercises from the textbook will be assigned daily to be completed before the next class. These will not be collected, but they need to be done in a timely fashion to keep up with the course. Questions regarding the homework will be addressed at the beginning of the next lecture.

Occasional challenge problems will be handed out, to be thought about and completed outside of class. Mathematics should be written neatly, and *in complete sentences*.

There will be a quiz almost every Friday. No makeup quizzes will be given *unless arrangements are made before the day of the quiz*.

There will be two midterm examinations and one final examination. The final examination will be scheduled by the university during the week of May 5, 2008.

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, and is discouraged while studying. You may use an abacus.

Course Outline

Week	Beginning	Topic	Sections
Week 0	Jan 16	Sets and Functions	Notes
Week 1	Jan 21	Real Line and Cartesian Plane	1.1, 1.2, 1.3
Week 2	Jan 28	Real Valued Functions	1.4, 1.5, 1.6
Week 3	Feb 4	Limits	2.1, 2.2, 2.3
Week 4	Feb 11	Continuity	2.4, 2.5, 2.6
Week 5	Feb 18	Differentiation	3.1, 3.2, 3.4
Week 6	Feb 25	Differentiation	3.5, 3.6, 3.7
Week 7	Mar 3	Extrema	4.1, 4.2, 4.3
Week 8	Mar 10	Inflection	4.4, 4.5, 4.6
Week 9	Mar 17	SPRING BREAK	
Week 10	Mar 24	Antiderivatives	4.8, 5.1, 5.2
Week 11	Mar 31	Integration	5.3, 5.4, 5.5
Week 12	Apr 7	Substitution	5.6
Week 13	Apr 14	Logarithmic Functions	7.1, 7.2
Week 14	Apr 21	Exponential Functions	7.3, 7.4
Week 15	Apr 28	Hyperbolic Functions	7.7, 7.8