Course Syllabus
MTH110: Mathematical Foundations for Business Analysis
Fall 2011 sections 2 and 5
Instructor: Dr. Glenn Faubert

Goals of the Course

The purpose of this course is to prepare students expecting to major in business for BUS111. This course does not provide credit for students majoring in mathematics nor does it fulfill a general education requirement. Students who would like to take BUS111 but who do not yet feel prepared for it should take MTH110.

Required Text

The text for the class is Applied Mathematics, by Tan, fifth edition, Brooks/Cole. The text's ISBN is 1-4292-1506-2. It is assumed that will you have the text with you at each class meeting.

Tests and Final exam

The three semester tests will be given on the dates shown below. Tests are always closed book. No questions will be taken during the exam. You may have a calculator but never a cell phone on your desk during the exam. Cell phones must always be off and out of sight during exams. Cell phone interuptions during an exam will be penalized 1 point per second of interruption. Cell phones out on the desk during exam will be penalized 5 points. Cell phone use during an exam will be penalized 50 points. A missed exam requires prior notification and written documentation that satisfies the instructor before any make-up is allowed. If the make-up is not or cannot be taken then the grade for the exam will be zero. The date of the final exam will be during final exam week as determined by the University.

Homework Notebooks

Every student is expected to keep a homework notebook. This notebook should be single subject sized and reserved for MTH110 homework only. These notebooks should come to class every day and will be collected on random days without notice. A grade will be given based on the most recent homework assignment.

Classwork/Participation

Assignments will be given in class from time to time. These assignments will either be closed book and announced, or will be open book and unannounced. In addition, students names will be called out randomly in class and asked to participate by providing an answer or explaination to a particular question posed by the instructor. Correct answers will be rewarded with a perfect (10) quiz grade. Incorrect answers will not be penalized, however all students must answer a prescribed number of correct questions by the end of the term. (about five) A student absent without a sanctioned excuse will recieve a quiz grade of zero. There are no makups for missed quizzes, or being caught absent unsanctioned.

Missing Class

Students needing to miss a lecture must notify the instructor USING SAKAI, prior to the start of class. Students missing exams will require prior notification and written documentation which satisfies the instructor that a make-up exam is justified. Missing exams without notification means an automatic zero for the exam.

Grading
Your final grade for course will be based upon 3 semester tests, a final exam, classwork/participation, and a homework notebook.

Test 1	**15%**
Test 2	**15%**
Test 3	**15%**
Classwork	**15%**
Homework	**10%**
Final exam	**30%**

Your letter grade will be based on your overall percent grade as follows. Grades are not negotiable. Individual extra credit assignments will not be given.

Letter grades will be assigned as follows:

Grade	Minimum %
A	93
A-	90
B+	87
B	82
B-	79
C+	76
C	71
C-	68
D+	65
D	60
F	0

Honor code
If you are caught breaking the URI honor code, you could be given an F for the assignment or the class. As a student of higher standards, you pledge to embody the principles of academic integrity. You may work with other students on your homework assignments as follows: You may discuss concepts, principles and methods with each other; however, you must prepare your own final submission separately. You are not to copy another student's homework. Collaboration among students is not permitted during examinations.

Disabilities
Students with special requirements and proper documentation through Disability Services should inform their instructor as early as possible. University regulations require that documentation be provided at least one week before special consideration is given.

Following is a schedule for MTH110 Sections 02 & 05, Fall 2011

Week	Events	Section	Exercises
09/05/11	Real Numbers	1.1	1-10, 17,19,21,27
	Polynomials	1.2	1-11 odd, 23-33 odd, 41-45odd, 57
09/12/11	Factoring Polynomials	1.3	1-9 odd, 11-33 odd
	Rational Expressions	1.4	1-9,13-35,39,41
	Integral Exponents	1.5	1-41odd, 49,51
09/19/11	Solving Equations	1.6	1-9 odd, 13-17odd, 21-33 odd, 39-43 odd
	Rational Exponents/Radicals	1.7	1-39 odd
	Quadratic Equations	1.8	1-7 odd, 11-15 odd, 27-31odd
09/26/11	Inequalities	1.9	11,13,15,57
10/03/11	Review		**Mid term Exam 1 Friday Oct 7**
10/10/11	Coordinates	2.1	7-12,13,15,17,21-28
	Equations of Lines	2.2	1-6,11-27odd,41,43,45, 61, 63
10/17/11	No Monday class.		
	Functions and Graphs	2.3	1,3,23-31 odd, 51-57
10/24/11	Linear Functions	2.5	11,12,21-26,28,29, 41a-b, 42a
	Quadratic Functions	2.6	1 - 13 odd, 36, 37, 39b
10/31/11	Review		**Mid term Exam 2 Friday Nov 4**
11/07/11	Exponential Functions	3.1	13-18, 36a
	Logarithmic Function	3.2	1-9 odd, 29-35, 49-53
	Math. Models with Exp & Log	3.3	5 (see 4), 11, 13, 15, 17
11/14/11	Compound Interest	4.1	1-17 odd, 21 23, 25, 27, 37,39,43,52,57,58
	Annuities	4.2	1,3,5,15,17
11/21/11	Systems of Linear Equations	5.1	1,3,5,11,16,18,24
11/28/11	Unique Solutions	5.2	1-7 odd, 27, 37, 43
	Under/Over determined systems	5.3	1,3,5,13,15,19,23
12/05/11	Review		**Mid term Exam 3 Friday Dec 9**
12/12/11	Systems of Inequalities	6.1	1-17 odd