Intermediate Algebra
MAT 137

INSTRUCTOR: Brian F. Kennedy
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REQUIRED TEXT
Intermediate Algebra - A Graphing Approach 3rd ed. by Martin-Gay and Greene, a graphing calculator is also required.

CREDIT: 3 credit hours

COURSE DESCRIPTION
This course continues the development of algebraic skills and concepts. The topics include: linear equations, functions, applications of systems of equations, inequalities, rational expressions and equations, operations on radicals and rational exponents, quadratic equations, exponential and logarithmic functions, and basic right triangle trigonometry.

PREREQUISITE: MAT 095 or acceptable placement score.

RATIONALE
A basic understanding of algebra is necessary for many fields of study including business science, economics and mathematics. Algebraic skills are an essential tool needed to comprehend future mathematics courses such as Statistics, Calculus, and/or College Algebra and Trigonometry. Since mathematics problems are not limited to mathematics courses, the skills of Intermediate Algebra improve the student's ability to comprehend his/her environment as well as other college courses.

GRADING POLICY
A student will receive one of the following grades: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, I, W, P or Audit. Determination of that grade will be based on the following. Throughout the semester there will be four, 100 point exams (an exam will be announced at least one week prior to its administration). A comprehensive final exam worth 200 points. Quizzes and projects throughout the semester totaling 100 points. Your final grade will be computed by totaling all the points earned on the four tests, quizzes and final exam grade then dividing that total by the 700 possible points.

Grade Equivalents:	A 93 - 100	B 83 - 86	C 73 - 76	D 63 - 66
	A- 90 - 92	B- 80 - 82	C- 70 - 72	D- 60 - 62
	B+ 87 - 89	C+ 77 - 79	D+ 67 - 69	F 59 or less

Quizzes will be during the first 15 minutes of class and cannot be made up. No test can be made up without prior arrangement with the instructor. All makeup tests will take place during final exam week.

COLLEGE WITHDRAWAL POLICY
A student who finds it necessary to discontinue a course must complete a withdrawal form in the Registrar's Office at the time of withdrawal. Students may withdraw from class anytime during the first ten weeks without being in good standing or obtaining prior permission of the instructor. After that period, a student wishing to withdraw must obtain written authorization of the instructor to receive a W grade for the course. Students who do not withdraw, but stop attending will be assigned an F. Eligibility for refund of tuition is based upon date of withdrawal when received by the registrar.

DISABILITIES STATEMENT
If you have a hidden or visible disability which may require classroom or test-taking modifications, please see me as soon as possible. If you have not already done so, please be sure to register with Chris Scarborough.

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COURSE OUTLINE (subject to change)

Date	Chapters (Sections) covered
1/24	Ch. 1.5, 1.6, 1.8
1/29	Appendix E (right triangle trigonometry)
1/31	Appendix E, Ch. 2.2
2/5	Ch. 3.1 - 3.3 (possible coverage of 3.4, 3.5)
2/7	Review
2/14	Test #1
2/19	Ch. 4.1, 4.2
2/21	Ch. 4.3
2/26	Ch. 5.1 - 5.3
2/28	Ch. 5.4 - 5.6
3/4	Ch. 5.7-5.8
3/6	Review
3/11	Test #2
3/13	Ch. 6.1 - 6.3
3/25	Ch. 6.6 - 6.7
3/28	Ch. 7.1, 7.2
4/1	Ch. 7.3, 7.6
4/3	Ch. 7.6, 7.7
4/8	Review
4/10	Test #3
4/15	Ch. 8.1, 8.2
4/17	Ch. 8.3, 8.5
4/22	Ch. 8.6, 9.3
4/24	Ch. 9.4, 9.5
4/29	Ch. 9.6, 9.7
5/1	Review
5/6	Test # 4
5/8	Review for Final Exam
5/13	Final Exam part I
5/15	Final Exam part II