

INSTRUCTOR:

OFFICE:

PHONE:

EMAIL:

OFFICE HOURS:

COURSE DESCRIPTION: **(MAT 0203) BASIC MATHEMATICS)**

A course intended for students who need a comprehensive review of mathematical skills before they can successfully complete an algebra course. Topics include Fundamental Mathematics and Geometry objectives of the Texas Higher Education (THEA), with an introduction to algebra. Intensive review and maintenance of computational skills with integers, fractions, decimals, percentages, ratios, and proportions; reading and interpreting information presented in graphs, tables, and charts; solving word problems, elementary algebraic equations, problems with two- and three-dimensional geometric figures; and inductive and deductive reasoning skills. **Course does not count toward any degree at UTSA.**

PREREQUISITE: MAT 0203-none.

TEXTBOOK: Developmental Mathematics, 7th Ed. By Bittinger and Beecher
And MyMathLab Access Code (if you require it for your class)

COURSE OUTLINE: Section 1.4 –Section 8.6 including Appendices A, B, C, D, and N.
See attached list of Sections and Topics.

SUPPLIES: A simple arithmetic calculator with a square-root key and/or % key is allowed. Scientific calculators, graphing calculators, and cell-phone calculators are not allowed.

ATTENDANCE: Class attendance and participation is a mandatory requirement for all TSI Obligated students. Students will initial (or sign) the attendance roll each class period. Students absent for a number of days equivalent to 300 minutes (6 days of a MWF class or 4 days of a TR class) “are delinquent in their attendance or participation and will be sent a warning letter by the Dean of Undergraduate Studies.” Accumulation of additional absences by such students “after receiving the warning letter will result in their being administratively dropped from the course with a grade of F.”

GRADING POLICIES: This may vary as determined by the instructor as far as homework, quizzes, and tests; however, the **UTSA Common Final Exam will count 40%** of the grade. Most instructors give 3 or 4 major tests, with variation in both the percentages and number of quizzes and/or homework assignments. This final exam is given on Saturday of Finals Week. For the Fall 2010 Semester it is scheduled for Saturday, December 11 from 10:30 am to 1:00 pm in a room to be determined later.

Students will need a Scantron (Form 882 E) for the final exam.

Samples: Homework	10%	Homework and class work	20%
Quizzes	10%	Quizzes	10%
Tests	40%	Tests	30%
Final	40%	Final	40%

GRADING PROCESS: I will turn in a letter grade (A, B, C, D, or F), but your final grade will be credit: CR = (A, B, or C) or no credit: NC = (D or F).

UNIVERSITY POLICY ON DISHONESTY: Students are expected to be above reproach in scholastic activities. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. “Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.” Regents Rules of Regulations, Part one, Chapter VI, Section 3. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

CLASSROOM BEHAVIORAL EXPECTATIONS: Students are expected to assist in maintaining a classroom environment that is conducive to learning. To assure all students have the opportunity to gain from time spent in class, students are prohibited from engaging in any form of distraction. Inappropriate behavior in the classroom shall result, minimally, in a request to leave class.

MAT 0203, BASIC MATHEMATICS
TEXT: DEVELOPMENTAL MATHEMATICS (7TH EDITION)
College Mathematics and Introductory Algebra
BY: BITTINGER AND BEECHER

Section	Topic
1.4	Solving Equations
1.5	Applications and Problem Solving
1.6	Exponential Notation and Order of Operations
1.7	Factorizations
1.8	Divisibility
1.9	Least Common Multiples
2.1	Fraction Notation and Simplifying
2.2	Multiplication and Division
2.3	Addition and Subtraction; Order

2.4	Mixed Numerals
2.5	Applications and Problem Solving
3.1	Decimal Notation, Order, and Rounding
3.2	Addition and Subtraction
3.3	Multiplication
3.4	Division
3.5	Converting from Fraction Notation to Decimal Notation
3.6	Estimating
3.7	Applications and Problem Solving
4.1	Ratio and Proportion
4.2	Percent Notation
4.3	Percent and Fraction Notation
4.4	Solving Percent Problems Using Percent Equations
4.5	Solving Percent Problems Using Proportions
4.6	Applications of Percent
5.1	Averages, Medians, and Modes
5.2	Tables and Pictographs
5.3	Bar Graphs and Line Graphs
5.4	Circle Graphs
***	Range (not in text)

Section	Topic
6.1	Basic Geometric Figures
6.2	Perimeter
6.3	Area
6.4	Circles
6.5	Volume and Surface Area
6.6	Relationships Between Angle Measures
6.7	Congruent Triangles and Properties of Parallelograms
6.8	Similar Triangles
Appendix A	Linear Measures: American and Metric Units
Appendix B	Weight and Mass: Medical Applications
Appendix C	Capacity; Medical Applications
Appendix D	Time and Temperature
Appendix N	Applying Reasoning Skills

7.1 Introduction to Algebra
7.2 The Real Numbers
7.3 Addition of Real Numbers
7.4 Subtraction of Real Numbers
7.5 Multiplication of Real Numbers
7.6 Division of Real Numbers
7.7 Properties of Real Numbers
7.8 Simplifying Expressions; Order of Operations

8.1 Solving Equations: The Addition Principle
8.2 Solving Equations: The Multiplication Principle
8.3 Using the Principles Together
8.4 Formulas
8.5 Applications of Percent
8.6 Applications and Problem Solving

NOTE: Additional sections in the text and topics may be added at the discretion of the instructor.

EXTRA HELP: For each section of the textbook, a corresponding videotape can be found in the multimedia room of JPL. The number of the tape can be found at the beginning of each Exercise Set in the text. The publishers of the text have a **MATH TUTOR CENTER** that provides free help via e-mail, telephone, and fax. See the handout about this service.

INSTRUCTOR:

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COURSE DESCRIPTION: (0213) INTERMEDIATE ALGEBRA

This is an introductory algebra course that includes the Texas Higher Education Assessment (THEA) Algebra and Problem Solving objectives. Operations with algebraic expressions, solving one- and two- variable equations; solving word problems involving one and two variables; graphing number relationships; and solving problems involving quadratic equations. **Course does not count toward any degree at UTSA.**

PREREQUISITE: MAT 0203, with a grade of “C” or better, or equivalent placement score.

TEXTBOOK: Developmental Mathematics, 7th Ed. By Bittinger and Beecher
And MyMathLab Access Code (if you require it for your class)

COURSE OUTLINE: Section 8.6 –Section 15.6.

See attached list of Sections and Topics.

SUPPLIES: A simple arithmetic calculator with a square-root and/or % key is allowed. Scientific calculators, graphing calculators, and cell-phone calculators are not allowed.

ATTENDANCE: Class attendance and participation is a mandatory requirement for all TSI Obligated students. Students will initial (or sign) the attendance roll each class period. Students absent for a number of days equivalent to 300 minutes (6 days of a MWF class or 4 days of a TR class) “are delinquent in their attendance or participation and will be sent a warning letter by the Dean of Undergraduate Studies.” Accumulation of additional absences by such students “after receiving the warning letter will result in their being administratively dropped from the course with a grade of F.”

GRADING POLICIES: (This may vary as determined by the instructor as far as homework, quizzes, and tests; however, the **UTSA Common Final Exam will count 40%** of the grade. Most instructors give 3 or 4 major tests, with more variation in both the percentages and number of quizzes and/or homework assignments.

This final exam is given on Saturday of Finals Week. For the Spring 2009 Semester it is scheduled for Saturday, May 2, 2009 from 10:30 am to 1:00 pm in a room to be determined later.

Students will need a Scantron (Form 882 E) for the final exam.

Samples:	Homework	10%	Homework and class work	20%
	Quizzes	10%	Quizzes	10%
	Tests	40%	Tests	30%
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GRADING PROCESS: I will turn in a letter grade (A, B, C, D, or F), but your final grade will be credit: CR = (A, B, or C) or no credit: NC = (D or F).

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