

SYLLABUS---MATH 1010 SECTION 15
INTERMEDIATE ALGEBRA
SPRING SEMESTER, 2012
Tuesday, Thursday 2:30-4:20

Instructor: Amy Gray
Credits: 4 Hours
Classroom: NIB 136

Office: NIB 134 652-7991
agray@dixie.edu

TEXTBOOK: *Intermediate Algebra; Martin-Gay*

CALCULATORS: A scientific calculator is required, and a graphing calculator would be helpful.

MATHEMATICS AT DIXIE COLLEGE: All classes in mathematics at Dixie College support the general education goal of the college. Within the limitations imposed by the nature of mathematics (i.e. the dependency on prior learning and the need for content fluency), each class will:

- Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and or calculus techniques
- Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
- Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
- Provide students with real-life applications that use a variety of mathematical functions

PURPOSE OF MATH 1010, INTERMEDIATE ALGEBRA: The primary purpose of Math 1010 is to give students a basic understanding of Intermediate Algebra and prepare them for more advanced work in mathematics.

OBJECTIVES: Upon successful completion of Math 1010, a student will demonstrate through testing:

- Perform basic mathematical operations on rational numbers with and without a calculator, including fractions percents and decimals.
- Use algebraic processes to solve algebraic equations in one, two, and three unknowns.
- Demonstrate the concept of equivalence including the use of variables to define relationships
- Work with functions that serve as models of real-world problems including polynomial, quadratic, exponential, and logarithmic functions

DISABILITY STATEMENT: If you are a student with a medical, psychological, or learning disability or think you might have a disability and would like accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center will determine eligibility of the student requesting special service and determine the appropriate accommodations related to their disability.

EXAMINATIONS: Five chapter tests will be given and each student is expected to take the chapter tests as scheduled. No make-up tests will be given unless the student notifies either the instructor or the math office before the scheduled date of the test. A make-up test will only be scheduled at the discretion of the instructor. The final exam will be comprehensive. The lowest test score will be dropped when the final grades are calculated. Test results will be discussed in the class following the test.

ATTENDANCE: In order to be successful in mathematics, you must choose to attend class on a regular basis. Roll will be taken and attendance will be part of your grade. Unavoidable absences will only be

penalized if excessive. The instructor or the math department secretary needs to be notified in advance for all pre-known unavoidable absences (including illness). Excessive tardiness will not be tolerated.

ASSIGNMENTS: Keep in mind that math is a skill that is much easier to learn and master with practice. It is important that you keep current on the assignments and do not save a whole chapter to do at once. A minimum of two hours spent studying outside of class for each hour in class is usually required for college courses. All of the homework assignments for the chapter(s) are to be completed and submitted to the instructor (or left at the math office) at the beginning of class on the scheduled day of the test. Late homework will only be accepted at the discretion of the instructor.

HELP: I will be in the Adjunct office (NIB 134) directly after each class, but may only stay as long as necessary to help students. I will also be available for help by appointment. (The best way to contact me is through email). Tutors are available in the Browning Resource Center and in NIB room 202 from 10:00-2:00, M-F.

SEMESTER SCHEDULE: <http://new.dixie.edu/reg/?page=spring2012>

CLASSROOM MANAGEMENT: Students are encouraged to review the class material prior to be presented in class. This includes reading the material subchapters to be discussed (including the example problems) and attempting to solve the practice problems. Please turn off your cell phones in class. Usage will not be tolerated. During class time, please show respect to the instructor and your fellow classmates. Listen when someone else is talking, participate when appropriate, stay awake and avoid disruptive behavior. Dishonesty, including, but not limited to, cheating, plagiarism, or knowingly furnishing false information to the college, will result in expulsion from the class.

MAKING A FRIEND IN THE CLASS: Attempt to make a friend in your class. You may find you enjoy sitting together and drawing support and encouragement from one another. Studying together in groups outside of class is encouraged; however, each student is expected to complete and turn in their own homework.

GRADES:

Grades will be calculated as follows:

Chapter Tests 50% - Final Exam 30% - Homework 15% - Attendance 5%

Grades will be assigned as follows:

A	100 – 94%	B	86 – 83%	C	74 – 70%	D	59 – 55%
A-	93 – 90%	B-	82 – 80%	C-	69 – 65%	D-	54 – 50%
B+	89 – 87%	C+	79 – 75%	D+	64 – 60%	F	49 – 0%

Math 1010: Intermediate Algebra (T, R)
(Tentative Schedule)

<u>DATE</u>	<u>SEC</u>	<u>ASSIGNMENT</u>	<u>DATE</u>	<u>SEC</u>	<u>ASSIGNMENT</u>
JAN 10	2.1	1-65 E.O.O., 35, 67-72, 81	MAR 27	7.1	1-81 E.O.O., 109
	2.2	1-65 E.O.O., 23, 24, 43, 80		7.2	1-85 E.O.O., 86
12	2.3	1-37 E.O.O., 31, 51, 53	29	7.3	1-89 E.O.O.
	2.4	1-73 E.O.O., 74, 75, 81-84		7.4	1-73 E.O.O.
	2.5	1-65 E.O.O., 81, 82, 83, 85		7.5	1-65 E.O.O.
17		TBA	APR 3	7.6	1-61 E.O.O., 51, 55, 64, 66, 69
19	2.6	1-65 E.O.O., 75, 76, 77		7.7	1-49 E.O.O., 65, 73, 75, 77
	2.7	1-73 E.O.O. CHAPTER 2 REVIEW	5	8.1	1-61 E.O.O., 75, 77, 81, 83
24		CHAPTER 2 TEST		8.2	1-33 E.O.O., 51, 55, 63, 64
26	3.1	1-16, 17-61 E.O.O., 65-72, 77-80	10	8.3	1, 5, 9, 11, 17 CHAPTERS 7 & 8 REVIEW
	3.2	1-39 O., 57-85 E.O.O., 55, 71, 75, 79, 95	12		CHAPTERS 7 & 8 TEST
	3.3	9-12 ALL, 13-57 E.O.O., 31, 73, 75, 77			
31	3.4	1-61 E.O.O., 35, 39, 43, 47, 55, 75	17	9.1	1-33 E.O.O., 27, 31, 43, 45
	3.5	1-61 E.O.O., 39, 43, 47, 55, 75		9.2	1-49 E.O.O., 15
FEB 2	4.1	1-61 E.O.O., 73-82		9.3	1-49 E.O.O., 47
	4.2	1, 3, 5, 9, 17, 21, 39	19	9.4	1-73 E.O.O., 31, 43
7	4.3	1-33 E.O.O., 7, 20, 55 CHAPTERS 3 & 4 REVIEW		9.5	1-61 E.O.O., 35, 43, 55, 59
9		CHAPTERS 3 & 4 TEST	24	9.6	1-65 E.O.O., 47, 51, 67
				9.7	1-53 E.O.O., 47
14	5.1	1-93 E.O.O., 95, 111, 113, 135	26		FINAL REVIEW
	5.2	1-37 E.O.O., 19, 47, 57, 69, 73	MAY 1		FINAL 2:00-4:00
	5.3	1-65 E.O.O., 75, 81, 89-92, 111, 113, 119			
16	5.4	1-73 E.O.O., 75, 81, 83			
	5.5	1-65 E.O.O.			
	5.6	1-77 E.O.O., 67			
21		TBA			
23	5.7	1-53 E.O.O., 83, 85, 87			
	5.8	1-53 E.O.O., 71, 73, 75, 81, 87 CHAPTER 5 REVIEW			
28		CHAPTER 5 TEST			
MAR 1	6.1	1-73 E.O.O.			
	6.2	1-65 E.O.O., 75, 77			
	6.3	1-41 E.O.O.			
6	6.4	1, 3, 5, 29, 30			
	6.5	1-45 E.O.O., 31			
8	6.6	1-61 E.O.O., 31			
	6.7	1-53 E.O.O., 23, 31, 47, 51			
12-16		SPRING BREAK			
20		CHAPTER 6 REVIEW			
22		CHAPTER 6 TEST			