

COURSE: Math 1010—50, Intermediate Algebra, MTWR 5:00 ~ 6:50 PM
Classroom: NIB 144, 4.0 Cr

INSTRUCTOR: Dr. Clare Banks, banks@dixie.edu
Office: NIB 138 *Phone:* 652-7982
Office Hours: TWR 10:30~11 AM, 4:30 ~ 5 PM and by appointment.

PREREQUISITE MATH 0930 (with an earned grade of C or better) or ACT score of 18 or higher.

REQUIRED : Elayn Martin-Gay, E. (2005), *Intermediate Algebra* (4th ed.). NJ: Prentice Hall
TEXT

CALCULATOR: A scientific calculator is required. You are not allowed to share calculators during tests or quizzes. The model TI-83 Plus will be used in class and is highly recommended.

COURSE WORK: The student's final grade will be determined by her/his performance on homework, midterm exams, and the final exam.

- *Final Exam:* Thursday, July 10th 5: 00 AM ~ 6:50 PM, The exam will be cumulative.
- *Homework:* Homework will be collect every Thursday. The homework may be graded or just checked off. If it receives a check mark, that will indicate full credit. The homework may be graded on a scale from 0-10 (no credit to full credit). Show all work. Neatness is everything. Do not hand in incomplete homework. Most of the time, a list of answers is not sufficient, you must show work. Check your answers in the back of the text when possible. Clearly label your homework with chapter and section numbers. Please do not staple more than one section together.
- *Exams:* There will be 4 exams. Each exam will be worth 100 points. No makeup exams will be given except in the case of a documented illness.
- *Grading:* Final – 20%, Exams – 60%, HW – 20%
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GRADES: Grades will be assigned as follows:

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

DISABILITIES: If you are a student with a physical or mental impairment and would like to request accommodations, please contact the Disability Resource Center (652-7516) in Room 201 of the Student Services Center. The Disability Resource Center will determine your eligibility for services based upon complete professional documentation. If you are deemed eligible, the Disability Resource Center will further evaluate the effectiveness of your

accommodation requests and will authorize reasonable accommodations that are appropriate for your disability.

COURTESY, ETC: No headphones during class or tests. Cell phones should be off. Please do not come late or leave early.

CHEATING: Cheating will not be tolerated. Dixie State College policy on Academic Dishonesty is explained at the website <http://www.dixie.edu/humanres/policy/sec3/334.html>

HELP: I am available during my office hours and by appointment. Browning Resource Center also has tutors available.

SUCCESS: To be successful in this course, follow these guidelines: 1) read before class, 2) attend all classes, 3) do all homework, 4) study each day – do lots of practice problems, 5) seek help immediately if you are lost, 6) have fun with it!

OBJECTIVES: All classes in mathematics at Dixie College support the general education goal of the college. 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.

Math 1010 is designed to give students a basic understanding of Intermediate Algebra and prepare them for more advanced work in mathematics. Upon successful completion of the course, a student will demonstrate through testing the ability to:

- 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.

Tentative Schedule

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Sat
	19 2-1~2-3	20 2-4, 2-5	21 2-6, 2-7	22 3-1, 3-2	23	24
25	26 No Class	27 3-3, 3-4	28 3-5, Review	29 Exam 1	30	31
<i>June 1</i>	2 4-1, 4-2	3 4-3, 5-1	4 5-2, 5-3	5 5-4, 5-5	6	7
8	9 5-6, 5-7	10 5-8, Review	11 Exam 2	12 6-1, 6-2	13	14
15	16 6-3, 6-4	17 6-6, 6-7	18 6-8, 7-1	19 7-2, 7-3	20	21
22	23 7-4, 7-5	24 7-6, 7-7	25 Exam 3	26 8-1, 8-2	27	28
29	30 8-3, 9-1	<i>July 1</i> 9-2, 9-3	2 9-4, 9-5	3 9-6, 9-7	4	5
6	7 Exam 4	8 Final Review	9 Final Review	10 Final Exam	11	

2.1 EOO – 85,31,79,83,84
 2.2 EOO-69,23,24,71
 2.3 EOO-37,31,51,53
 2.4 EOO-85,87-90,79
 2.5 EOO-65,75,77,79,81
 2.6 EOO-65,75,76,77
 2.7 EOO-73

6-1 EOO-73
 6-2 EOO-61,79
 6-3 EOO-37,56,57
 6-4 1,3,5,7,9,10
 6-6 EOO-57,14,30
 6-7 EOO-57,14,30
 6-8 EOO-53,31,36

3-1 1-16, EOO 17-53,63-67, 75-78
 3-2 ODDS-39, EOO 53-95,85
 3-3 EOO-53,11,31,73,77
 3-4 EOO-73,35,63,75,88-93
 3-5 EOO-81,39,43,47,55,75
 4-1 EOO-61, 73-82
 4-2 1,3,5,9,17,21,39
 4-3 EOO-45, 7,9,53

7-1 EOO-81,105
 7-2 EOO-85,63,83
 7-3 EOO-69,67
 7-4 EOO-73
 7-5 EOO-69
 7-6 EOO-37,47,51,53 55,59,61,64,69
 7-7 EOO-45,61,63,65,67,77-81

8-1 EOO-53,75,77,98,101
 8-2 EOO-21,27,29,33,37,51,55,65
 8-3 EOO-25,33,37,57,59,61,63

5-1 EOO-93,105,111,119
 5-2 EOO-73,85,87
 5-3 EOO-85,89-92,103,105,111
 5-4 EOO-73,81,83
 5-5 EOO-65,82
 5-6 EOO-81,47
 5-7 EOO-65,35,43,79,83
 5-8 EOO-65,3,47,73,75,81

9-1 EOO-33,41,43,44
 9-2 EOO-49,15,19,27
 9-3 EOO-49,47
 9-4 EOO-69,27,39
 9-5 EOO-61,43,51,55
 9-6 EOO-65,39,47,51,67
 9-7 EOO-5

