

COURSE: Math 1010-10B, Intermediate Algebra, M~F 12:00 ~ 12:50 PM
Classroom: NIB 133, 4 Credits

INSTRUCTOR: Dr. Banks, banks@dixie.edu
Office: NIB 138 *Phone:* 652-7982
Office Hours: MWF 9:00 ~ 11:50 AM, M 4:00~5:00 PM
and by appointment.

PREREQUISITE MATH 0990 (with an earned grade of C or better) or ACT score of 18 or higher.

REQUIRED : Elayn Martin-Gay, E. (2009), *Intermediate Algebra* (5th ed.). NJ: Prentice
TEXT Hall

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:* Tuesday, December 17th 12: 30 ~ 2:30 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. Show all work. Neatness is important. 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 6 exams. Each exam will be worth 100 points. No makeup exams will be given except in the case of a documented illness. The lowest test score can be replaced with the percent earned on the final exam.
- *Grading:* Final – 20%, Exams – 60%, HW – 15%,
Attendance – 5 %

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 medical, psychological, or learning disability and need accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center will determine your and the appropriate accommodations related to your disability.

CHEATING: Cheating will not be tolerated. Dixie State College policy on Academic Dishonesty is explained on 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.

DMAIL: Important class and college information will be sent to your dmail account. This information includes your DSC bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned a dmail account. If you don't know your user name and

password, go to www.dixie.edu and select "Rebelmail," for complete instructions. You will be held responsible for information sent to your dmail, so please check it often.

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.

This Syllabus is tentative; students are responsible for any changes announced in class

Homework Assignment:

2.1 EOO-65,35,67-72 ALL,81
2-2 EOO-61,23,24,43,80
2.3 EOO-37,31,51,53
2.4 EOO-73,75,81-84 ALL
2.5 EOO -65,81,82,83,85
2.6 EOO-65,75,76,77
2.7 EOO-73

(Exam I)

3.1 1-16 ALL, 17-61 EOO,65-72 ALL,
77-80 ALL
3.2 ODDS-39, EOO 57-85,55,71,75,79,95
3.3 9-12 ALL,13-57 EOO,31,73,75,77
3.4 EOO-61,35,39,67,75,78
3.5 EOO-81,39,43,47,55,75
4.1 EOO-61,73-82 ALL
4.2 1,3,5,9,17,21,39
4.3 EOO-33,7,20,55

(Exam II)

5.1 EOO-93,95,111,113,135
5.2 EOO -37,19,47,57,69,73
5.3 EOO-65,75,81,85,89-92,111,113,119
5.4 EOO-73,81,83
5.5 EOO-65
5.6 EOO-77,67
5.7 EOO-53,83,85,87
5.8 EOO-53,71,73,75,81,87

(Exam III)

6.1 EOO-73
6.2 EOO-65,75
6.3 EOO-41
6.4 1,3,5,29,30
6.5 EOO-45,31
6.6 EOO-61,31
6.7 EOO- 53,23,31,47,51

(Exam IV)

7.1 EOO-81,109
7.2 EOO-85,86
7.3 EOO-89
7.4 EOO-73
7.5 EOO-65
7.6 EOO-61,51,55,64,66,69
7.7 EOO-49,51,65,73,75,77
8.1 EOO-61,75,77,81,83
8.2 EOO-33,51,55,63,64
8.3 EOO-37,49,57,61,63

(Exam V)

9.1 EOO-33,27,31,43,45
9.2 EOO-49,15
9.3 EOO-49,47
9.4 EOO-73,31,43
9.5 EOO-61,35,43,55,59
9.6 EOO-65,47,51,67
9.7 EOO-53,47

(Exam VI)

Fall 2008 Schedule
Tentative (Subject to Change)

SUN	MON	TUE	WED	THU	FRI	SAT
5	6 2-1, 2-2	7 2-3	8 2-4, 2-5	9 2-6	10 2-7	11
12	13 Review Exam I	14 3-1, 3-2	15 3-3	16 <i>No Class</i>	17 <i>No Class</i>	18
19	20 3-4, 3-5	21 4-1	22 4-2	23 4-3	24 Review Exam II	25
26	27 5-1, 5-2	28 5-3, 5-4	29 5-5, 5-6	30 5-7	31 5-8	1 <i>Nov</i>
2	3 Review Exam III	4 6-1, 6-2	5 6-3	6 6-4, 6-5	7 6-6	8
9	10 6-7	11 Review Exam IV	12 7-1, 7-2	13 7-3	14 7-4, 7-5	15
16	17 7-6	18 <i>Career Day</i>	19	20 AMATYC	21 AMATYC	22
23	24 7-7	25 8-1, 8-2	26 <i>No Class</i>	27 <i>No Class</i>	28 <i>No Class</i>	29
30	1 Dec 8-3	2 Review Exam V	3 9-1, 9-2	4 9-3	5 9-4, 9-5	6
7	8 9-6	9 9-7	10 Review Exam VI	11 Final Review	12 Final Review	13
14	15	16	17 Final Exam 12:30~2:30	18	19	20

Oct 8 Last day to add classes w/o instructor permit
Oct 17 Last day for refund of tuition & fees.
Oct 20 Last day to ADD classes

Nov 14 Last day for Complete Withdrawal
Oct 31 Last day to DROP or AUDIT class