

# MATH 1010-02 INTERMEDIATE ALGEBRA

CRN# 40076 Fall 2009, M,Tu,Th,F 8:00 am

Instructor: ADINA IONITA  
Credits: 4 Hours  
Text: Intermediate Algebra  
Martin-Gay  
Fifth Edition 2009

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Hours: 9 – 10, 11-12 DAILY  
or by appointment

**1. 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 this course, a student will demonstrate through testing the ability to:

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

If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your Professor(s) from the Disability Resource Center within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

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

**3. EXAMINATIONS:** Each student is expected to take the examinations as scheduled in the syllabus. Make-up exams will be given at the discretion of the instructor, and only if **prior** arrangements have been made. A final comprehensive exam will be given at the end of the term. The lowest test score can be replaced with the percent earned on the final exam.

**DMAIL:** Important class and college information will be sent to your Dmail email 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 email account. If you don't know your user name and password, go to [www.dixie.edu](http://www.dixie.edu) and select "Dmail," for complete instructions. You will be held responsible for information sent to your Dmail email, so please check it often.

**4. ATTENDANCE:** It is your responsibility to attend class although it is not required. Tardiness will be frowned upon and may invoke the ire of the instructor. Be willing to be involved in the class as an active participant. ASK questions, contribute toward solutions, and be interested in the class activities.

**5. ASSIGNMENTS:** Homework assignments are to be done each day, but only part of it will be collected on the test day.

**6. HELP:** I am available for help during posted office hours, and other times by appointment. There are also tutors available in the Browning Resource Center.

**7. GRADES:** Each test is worth 100 points, the homework is worth 200 points, and the final exam is worth 200 points for a total of 1000 possible points. 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%

## ASSIGNMENT SCHEDULE

AUG	24	2.1	EOO-65,35,67-72 ALL,81	Tu	13	6.3	EOO-41
	Tu	25	2.2 EOO-65,23,24,43,80			6.4	1,3,5,29,30
	Th	27	2.3 EOO-	<b>Th, F 15, 16</b>			<b>NO SCHOOL</b>
37,31,51,53				M	19	6.5	EOO-45,31
F	28	2.4	EOO-73,74,75,81-84 ALL	Tu	20	6.6	EOO-61,31
M	31	2.5	EOO -65,81,82,83,85	Th	22	6.7	EOO- 53,23,31,47,51
SEPT	01	2.6	EOO-65,75,76,77	F	23		REVIEW
	Th	03	2.7 EOO-73	<b>M 26</b>			<b>TEST CHAPTER 6</b>
	F	04	REVIEW	Tu	27	7.1	EOO-81,109
	M	07	NO SCHOOL			7.2	EOO-85,86
	<b>Tu 08</b>		<b>TEST CHAPTER 2</b>	Th	29	7.3	EOO-89
	Th	10	3.1 1-16 ALL,	F	30	7.4	EOO-73
17-61 EOO,						7.5	EOO-65
			65-72 ALL, 77-80 ALL	NOV	02	7.6	EOO-61,51,55,64,66,69
F	11	3.2	ODDS-39, EOO 57-85,55,	Tu	03	7.7	EOO-49,51,65,73,75,77
			71,75,79,95	Th	05	8.1	EOO-61,75,77,81,83
M	14	3.3	9-12 ALL,13-57 EOO,31,	F	06	8.2	EOO-33,51,55,63,64
			73,75,77	M	09	8.3	1, 5, 9, 11, 17
		3.4	EOO-61,35,39,67,75,78	Tu	10		REVIEW
Tu	15	3.5	EOO-81,39,43,47,55,75	Th ,F			AMATYC CONF. NO CLASS
Th	17	4.1	EOO-61,73-82 ALL	<b>TEST CHAPTERS 7-8 (Testing Center)</b>			
F	18	4.2		M	16	9.1	EOO-33,27,31,43,45
1,3,5,9,17,21,39				Tu	17		NO SCHOOL
M	21	4.3	EOO-33,7,20,55	Th	19	9.2	EOO-49,15
Tu	22		REVIEW	F	20	9.3	EOO-49,47
<b>Th 24</b>			<b>TEST CHAPTERS 3-4</b>	M	23	9.4	EOO-73,31,43
F	25	5.1	EOO-93,95,111,113,135	Tu	24	9.5	EOO-61,35,43,55,59
		5.2	EOO -37,19,47,57,69,73	W-F 25-27			THANKSGIVING BREAK
M	28	5.3	EOO-65,75,81,85,89-92,	M	30	9.6	EOO-65,47,51,67
			111,113,119	DEC	01	9.7	EOO-53,47
		5.4	EOO-73,75,81,83	Th	03	9.7	Cont.
Tu	29	5.5	EOO-65	F	04		REVIEW
OCT	01	5.6	EOO-77,67	<b>M 07</b>			<b>TEST CHAPTER 9</b>
F	02	5.7	EOO-53,83,85,87	Tu	08		FINAL REVIEW
M	05	5.8	EOO-53,71,73,75,81,87	Th	10		FINAL REVIEW
Tu	06		REVIEW	F	11		FINAL REVIEW
<b>Th 08</b>			<b>TEST CHAPTER 5</b>	<b>F 18</b>			<b>FINAL EXAM</b>
F	09	6.1	EOO-73				<b>7:30-9:30 a.m.</b>
M	12	6.2	EOO-65,75,77				

IMPORTANT DATES: Go to  
<http://new.dixie.edu/reg/?page=fall2009>