

SYLLABUS---MATH 1010
INTERMEDIATE ALGEBRA
CRN# 40082
FALL SEMESTER, 2009
M,Tu,Th,F 10:00 am

Instructor: Kathie Ott
Credits: 4 Hours
Text: Intermediate Algebra
Monday 11-3
Martin-Gay
Fifth Edition 2009

Office: SSC 334
E-mail: ott@dixie.edu
Office Hours:
Thursday 11-12, 1-4

- 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 learning disability, or think you may have a disability, and need accommodations, contact the Disability Resource Center (652-7516) in the Student Services Center. The Disability Resource Center is the designated office on campus to evaluate disability documentation and to determine eligibility and implement reasonable accommodations for students enrolled at DSC.

- 2. CALCULATORS:** A scientific calculator is required, and a graphing calculator would be helpful. The TI-83/TI-84 Plus will be used in class and is highly recommended for Math 1010, Math 1050(Non-Calculus students) and Math 1090.

The TI-89 is recommended for Math 1050, Math 1060, Math 1100, and Math 1210.

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.

4. ATTENDANCE: Attendance is essential and roll will be taken, but will not be directly counted into your grade. Periodically during the semester, the instructor may, at the beginning of class, give a pop quiz based on homework. Quizzes will not be given to tardy students, and cannot be made up.

5. ASSIGNMENTS: Homework assignments are to be done each day, but will only be collected on the day of the test. Late work is accepted for one week after the due date, and receives half credit. Work is considered late if it is turned in after noon (12:00) on the date that it is due. If I am not available, your assignments may be turned in at the math office. Put all homework together, fold in half lengthwise, and at the top include: (for example)

John Doe
Math 1010, 10:00
Ch. 2

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 from 9 a.m. to 7 p.m. Monday-Thursday, and Fridays from 9 a.m.-5 p.m. This year, there will also be math tutoring available in NIB 134 from 10 a.m. -2 p.m.

7. SEMESTER SCHEDULE: <http://new.dixie.edu/reg/syllabus>

8. GRADES: Grades will be based on the ratio of the number of points earned by the student to the total number of points possible on all assignments and examinations. Grades will be posted using the last three digits of your student number. **If you do not want your grade posted notify the instructor in writing.** Grades will be assigned as follows:

A	100 - 94%	B	86.9 - 83%	C	74.9 - 70%	D	59.9 -
55%							
A-	93.9 - 90%	B-	82.9 - 80%	C-	69.9 - 65%	D-	54.9 -
50%							
B+	89.9 - 87%	C+	79.9 - 75%	D+	64.9 - 60%	F	49.9 -
0%							

9. A Note about honesty and ethics. It is expected that all students will complete their work and exams honestly. I encourage students to work together on homework assignments, however the exams are to demonstrate what YOU know. If a student is found to have copied another student's work on a test, or to have shared material about an exam with those that have not yet taken it, that student will receive a failing grade on that exam, at least. Depending on the seriousness of the incident, the student may fail the course as well, and be referred to the college administration.

10. The Instructor reserves the right to make reasonable changes in the syllabus, including changing test dates as necessary. You are responsible for all information presented in class, so *your attendance is essential* to your success in this course.

ASSIGNMENT SCHEDULE (M1010,F09,56.M,Tu,Th,F)

AUG 24	2.1	EOO-65,35,67-72 ALL,81	Th,F 15-16	NO SCHOOL
Tu 25	2.2	EOO-66,23,24,43,80	M 19	6.3 EOO-41
Th 27	2.3	EOO-37,31,51,53		6.4 1,3,5,29,30
F 28	2.4	EOO-73,75,81-84 ALL	Tu 20	6.5 EOO-45,31
M 31	2.5	EOO -65,81,82,83,85	Th 22	6.6 EOO-61,31
SEP 1	2.6	EOO-65,75,76,77	F 23	6.7 EOO- 53,23,31,47,51
Th 3	2.7	EOO-73	M 26	REVIEW
F 4		REVIEW	Tu 27	TEST CHAPTER 6
SEPT 7		NO SCHOOL	Th 29	7.1 EOO-81,109
Tu 8		REVIEW		7.2 EOO-85,86
Th 10		TEST CHAPTER 2	F 30	7.3 EOO-89
F 11	3.1	1-16 ALL, 17-61 EOO, 65-72 ALL, 77-80 ALL	NOV 2	7.4 EOO-73
M 14	3.2	ODDS-39, EOO 57-85,55, 71,75,79,95	Tu 3	7.5 EOO-65
Tu 15	3.3	9-12 ALL,13-57 EOO,31, 73,75,77	Th 5	7.6 EOO-61,51,55,64,66,69
	3.4	EOO-61,35,39,67,75,78	F 6	7.7 EOO-49,51,65,73,75,77
Th 17	3.5	EOO-81,39,43,47,55,75	M 9	8.1 EOO-61,75,77,81,83
F 18	4.1	EOO-61,73-82 ALL	Tu 10	8.2 EOO-33,51,55,63,64
M 21	4.2	1,3,5,9,17,21,39	Th 12	8.3 EOO-37,49,57,61,63
Tu 22	4.3	EOO-33,7,20,55,X5	F 13	CATCH UP AND REVIEW
Th 24		REVIEW	M 16	REVIEW
F 25		TEST CHAPTERS 3-4	Tu 17	CAREER DAY-NO SCHOOL
M 28	5.1	EOO-93,95,111,113,135	Th 19	TEST CHAPTERS 7-8
	5.2	EOO -37,19,47,57,69,73	F 20	9.1 EOO-33,27,31,43,45
Tu 29	5.3	EOO-65,75,81,85,89-92, 111,113,119	M 23	9.2 EOO-49,15
	5.4	EOO-73,81,83	Tu 24	9.3 EOO-49,47
OCT 1	5.5	EOO-65	W-F 25-27	THANKSGIVING BREAK
F 2	5.6	EOO-77,67	M 30	9.4 EOO-73,31,43
M 5	5.7	EOO-53,83,85,87	DEC 1	9.5 EOO-61,35,43,55,59
Tu 6	5.8	EOO-53,71,73,75,81,87	Th 3	9.6 EOO-65,47,51,67
Th 8		REVIEW	F 4	9.7 EOO-53,47
F 9		TEST CHAPTER 5	M 7	REVIEW
M 12	6.1	EOO-73	Tu 8	TEST CHAPTER 9
Tu 13	6.2	EOO-65,75	Th 10	FINAL REVIEW
			F 11	FINAL REVIEW
			W 16	FINAL EXAM 9:30-11:30 a.m.