

**SYLLABUS---MATH 1010  
INTERMEDIATE ALGEBRA  
SPRING SEMESTER, 2010**

**Tu,Th 5:15 – 6:55 p.m. #20375**

**Tu,Th 7:30 – 9:10 p.m. #23482**

**NIB 144**

**INSTRUCTOR:** R. Cascade McConnell

**CREDITS:** 4 Hours

**TEXT:** INTERMEDIATE ALGEBRA.

Martin-Gay, 5th Edition

**CALCULATOR:** Scientific required,  
graphing recommended (TI-83/84)

**E-MAIL:** cmcconnell@dixiehigh.org

**WEBSITE:**

www2.dixiehigh.org/~cmcconnell/

**GRADING**

**ASSIGNMENTS:** Homework assignments are to be done each day, but will only be collected on the last day of the test. Each of six bundles is worth 20 points. (120)

**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. Your lowest chapter test score can be replaced with the score on the final. Each of seven exams is worth 100 points. (700)

**ATTENDANCE:** Even though attendance does not directly affect your grade, it is essential to your success in this class. Therefore, as an incentive to attend regularly, students with no more than two absences will receive 10 extra points.

**GRADES:** Grades will be based on the percent of points earned out of the total number of points possible on all assignments, and examinations (820). Grades will be posted online using your student ID. If you do not want your grade posted, notify the instructor in writing.

**THE SCALE:**

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

**OBJECTIVES**

All classes in mathematics at Dixie College support the general education goal of the college, and will:

1. Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
2. Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
3. Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
4. 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.

**HELP**

**SPECIAL NEEDS:** 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. They will determine the appropriate accommodations related to your disability.

**ACADEMIC HELP:** I am available for help by appointment or through e-mail. There are also tutors available in the Browning Resource Building or NIB 134.

# ASSIGNMENT & TEST CALENDAR

TUE	1/12	2.1 EOO-65,35,67-72 ALL,81 2.2 EOO-66,23,24,43,80
THUR	1/14	2.3 EOO-37,31,51,53 2.4 EOO-73,75,81-84 ALL
TUE	1/19	2.5 EOO-65,81,82,83,85 2.6 EOO-65,75,76,77 2.7 EOO-73
THUR	1/21	REVIEW
<b>TH-TH 1/21-1/28</b>		<b>TEST CHAPTER 2 (CENTER)</b>
TUE	1/26	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
THUR	1/28	3.4 EOO-61,35,39,67,75,78 3.5 EOO-81,39,43,47,55,75
TUE	2/2	4.1 EOO-61,73-82 ALL 4.2 1,3,5,9,17,21,39 4.3 EOO-33,7,20,55 (skip #5)
THUR	2/4	NO CLASS
TUE	2/9	REVIEW
<b>TU-TU 2/9-2/16</b>		<b>TEST CHAPTERS 3&amp;4 (CENTER)</b>
THUR	2/11	5.1 EOO-93,95,111,113,135 5.2 EOO-37,19,47,57,69,73
TUE	2/16	5.3 EOO-65,75,81,85,89-92,111,113,119 5.4 EOO-73,81,83
THUR	2/18	5.5 EOO-65 5.6 EOO-77,67
TUE	2/23	5.7 EOO-53,83,85,87 5.8 EOO-53,71,73,75,81,87
THUR	2/25	REVIEW
<b>TH-TH 2/25-3/4</b>		<b>TEST CHAPTER 5 (CENTER)</b>
TUE	3/2	6.1 EOO-73 6.2 EOO-65,75,77
THUR	3/4	6.3 EOO-41 6.4 1,3,5,29,30

TUE	3/9	NO CLASS
THUR	3/11	NO CLASS
TUE	3/16	6.5 EOO-45,31 6.6 EOO-61,31 6.7 EOO-53,23,31,47,51
THUR	3/18	REVIEW
<b>TH-TH 3/18-3/25</b>		<b>TEST CHAPTER 6 (CENTER)</b>
TUE	3/23	7.1 EOO-81,109 7.2 EOO-85,86 7.3 EOO-89
THUR	3/25	7.4 EOO-73 7.5 EOO-65
TUE	3/30	7.6 EOO-61,51,55,64,66,69 7.7 EOO-49,51,65,73,75,77
THUR	4/1	8.1 EOO-61,75,77,81,83 8.2 EOO-33,51,55,63,64 8.3 1,5,9,11,17
TUE	4/6	REVIEW
<b>TU-TU 4/6-4/13</b>		<b>TEST CHAPTERS 7&amp;8 (CENTER)</b>
THUR	4/8	9.1 EOO-33,27,31,43,45 9.2 EOO-49,15
TUE	4/13	9.3 EOO-49,47 9.4 EOO-73,31,43
THUR	4/15	9.5 EOO-61,35,43,55,59 9.6 EOO-65,47,51,67 9.7 EOO-53,47
TUE	4/20	REVIEW
<b>TU-TU 4/20-4/27</b>		<b>TEST CHAPTER 9 (CENTER)</b>
THUR	4/22	FINAL REVIEW
TUE	4/27	FINAL REVIEW
THUR	4/29	FINAL REVIEW
TUE	5/4	FINAL EXAM (IN CLASS)