

SYLLABUS---MATH 1010 SECTION 17
INTERMEDIATE ALGEBRA
CRN# 44909

FALL SEMESTER, 2011

M,Tu,W,Th 1:00 pm

Instructor: Scott Mortensen

Credits: 4 Hours

Text(**Optional**): Intermediate Algebra
Martin-Gay
Fifth Edition 2009

Office: NIB 133B 652-7764

mortense@dixie.edu

Hours: 10 – 11 DAILY
2-3 M,T,R

Computer Software: <http://www.coursecompass.com>

Course ID # **mortensen31183**

This section will be taught as a lecture course but will include an extensive computer based component. This means all homework and the daily quiz will be done, checked and submitted to the instructor on the computer through a program called My Math Lab. You will also be given practice tests and review problems on the computer, although the chapter tests and final exam will be given in class. **You will need access to a computer with internet for daily assignments.** Computer labs on campus are available to those students who do not have internet access. We suggest that you go to the following web site and watch the information under “students” before making any decision to purchase the software: <http://www.coursecompass.com>. If you feel this new system is not what you want, you need to transfer into a non-computer based section. The Math Secretary, Department Chair, or any instructor will help you find another section. However, if you want to use the computer software, you can pay for it and register for your section on this same webpage. You can find your course ID number on this syllabus. You will receive more complete instructions on the first day of class.

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 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.

2. CALCULATORS: A scientific calculator is required, and a graphing calculator would be helpful. The TI-83 Plus/84 will be used in class and is highly recommended. Instruction can also be given on the TI-85, TI-86, TI-89 and TI-92.

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. **All exams will be given in class.**

4. ATTENDANCE: Attendance is essential and roll will be taken and may be counted into your grade. Tardiness will be frowned upon and may invoke the ire of the instructor.

5. ASSIGNMENTS AND QUIZZES: Homework assignments and quizzes are to be done on the computer each day and submitted to the instructor. Each assignment and quiz is due the second school day after they are assigned. Points will be deducted from assignments for each day past the due date. However, quizzes may only be attempted twice, and the highest score will be counted. It is very important that you keep current on the assignments.

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

7. SEMESTER SCHEDULE: <http://new.dixie.edu/reg/?page=fall2011>

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, quizzes and examinations. Grades will be sent to your Dmail address after each test. 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%

