

SYLLABUS---MATH 1010 SECTION 17
INTERMEDIATE ALGEBRA
CRN# 44598
FALL SEMESTER, 2010
Friday, Saturday 7:30am-9:30am

Instructor: Dr. Gregory Berry
Credits: 4 Hours

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You will be given homework problems in class. Chapter tests will be given in the testing center.

- 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.

Students with medical, psychological, learning or other disabilities desiring reasonable academic adjustment, accommodations, or auxiliary aids to be successful in this class will need to contact the **DISABILITY RESOURCE CENTER** Coordinator (Baako Wahabu) for eligibility determination. Proper documentation of impairment is required in order to receive services or accommodations. DRC is located at the ground floor of the Financial Aid Office. Visit or call 652-7516 to schedule appointment to discuss the process. DRC Coordinator determines eligibility for and authorizes the provision of services.

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. Instruction will also be given on the TI-85, TI-86 and TI-92.

3. EXAMINATIONS: Each student is expected to take the examinations as scheduled in the syllabus. A final comprehensive exam will be given at the end of the term.

4. ATTENDANCE: Attendance is essential and roll will be taken, but will not be counted into your grade. Tardiness will be frowned upon and may invoke the ire of the instructor.

5. ASSIGNMENTS: Homework assignments are to be done and submitted to the instructor before each exam period. Homework problems will be discussed in class. It is very important that you keep current on the assignments.

6. HELP: I am available for help by appointment. There are also tutors available in the Browning Resource Center and the NIB.

7. SEMESTER SCHEDULE: <http://new.dixie.edu/reg/?page=fall2010>

8. GRADES: Grades will be calculated as follows:
Chapter Tests 60% Final Exam 30% Homework and surprise quizzes 10%
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

F 8/27	2.1 EOO-65,35,67-72 All, 81 2.2 EOO-66,23,24,43,80	6.4 1,3,5,29,30
S 8/28	2.3 EOO-37,31,51,53 2.4 EOO-73,75,81-84 ALL	S 10/23 6.5 EOO-45,31 6.6 EOO-61,31
F 9/3	2.5 EOO-65,81,82,83,85 2.6 EOO-65,75,76,77	F 10/29 REVIEW
S 9/4	2.7 EOO-73 REVIEW	F-M 10/29-11/1 Test Ch. 6
Tu-Fr 9/7-9/10 Test Ch. 2		S 10/30 7.1 EOO-81,109 7.2 EOO-85,86 7.3 EOO-89
F 9/10	3.1 1-16 ALL,17-61 EOO,65-72 ALL, 77-80 ALL 3.2 ODDS-39,57-85 EOO,55,71,75,79,95 3.3 9-12 ALL,13-57 EOO 31,73,75,77	F 11/5 7.4 EOO-73 7.5 EOO-65
S 9/11	3.4 EOO-61,35,39,67,75,78 3.5 EOO-81,39,43,47,55,75	S 11/6 7.6 EOO-61,51,55,64,66,69 7.7 EOO-49,51,65,73,75,77
F 9/17	4.1 EOO-61,73-82 ALL 4.2 1,3,5,9,17,21,39 4.3 EOO-33,7,20,55	F 11/12 8.1 EOO-61,75,77,81,83 8.2 EOO-33,51,55,63,64 8.3 1,5,9,11,17
S 9/18	REVIEW	S 11/13 REVIEW
SAT-WED 9/18-9/22 Test Ch. 3 & 4		S-W 11/13-17 Test Ch. 7&8
F 9/24	5.1 EOO-93,95,111,113,135 5.2 EOO-37,19,47,57,69,73	F 11/19 9.1 EOO-33,27,31,43,45 9.2 EOO-49,15
S 9/25	5.3 EOO-65,75,81,85,89- 92,111,113,119 5.4 EOO-73,81,83	S 11/20 9.3 EOO-49,47 9.4 EOO-73,31,43
F 10/1	5.5 EOO-65 5.6 EOO-77,67	F 12/3 9.5 EOO-61,35,43,55,59 9.6 EOO-65,47,51,67 9.7 EOO-53,47
S 10/2	5.7 EOO-53,83,85,87 5.8 EOO-53,71,73,75,81,87	S 12/4 REVIEW
F 10/8	REVIEW	S-W 12/4-8 Test Ch. 9
F-TU 10/8-12 Test Ch. 5		F 12/10 FINAL REVIEW S 12/11 FINAL REVIEW
S 10/9	6.1 EOO-73 6.2 EOO-65,75,77	F 12/17 FINAL EXAM
F 10/22	6.3 EOO-41	