

Syllabus: Math 1010 – F'08**Intermediate Algebra**

MTRF, NIB 144

Sec. 5: 9:00am (40079)

Sec. 7: 10:00am (40082)

Text: Intermediate Algebra, 5th ed.

K. Elayn Martin-Gay (with supplements)

Prerequisite: Math 0930 (C or better)

or ACT-Math/CPT score of 18-22

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Office hours:

M: 1:00-3:00pm

W: 9:00am-12:00noon,

and 1:00-2:00pm

and by appointment

DIXIE STATE COLLEGE COURSE OBJECTIVES:

All mathematics courses at Dixie State College 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 arithmetic, algebraic, and geometric.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and/or tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of Math 1010, 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.

INSTRUCTOR EXPECTATIONS:

1. Attendance is of prime importance in any college class but especially in a mathematics class. Therefore, students should make every effort to show up.
2. Homework (including the chapter test) will be collected, graded, and returned on each test day. Late homework will receive half-credit; too-late homework will receive no credit.
3. A graphing calculator is required; a TI-83 Plus is highly recommended.
4. Cheating will not be tolerated and may result in an F.
5. Without prior permission or a documented excuse, make-up test grades will be reduced by 10%.
6. Occasional pop quizzes may be given; points will be added to the homework points.

GRADING:

6 tests @ 100 points each (lowest test dropped)

7 HWs @ 15 points each

Final exam @ 200 points

for a total possible 905 points

Grades by percentages:

A: 93-100; A-: 90-92;

B+: 87-89; B: 83-86; B-: 80-82;

C+: 77-79; C: 70-76; C-: 65-69

D: 60-64; F: <60

NOTE: If you are a student with a documented physical or mental impairment that will substantially limit a major life activity, please contact the Disability Resource Center on the main campus. The Center Coordinator and staff will assist you in analyzing your eligibility for services. If you are deemed eligible, reasonable accommodations that are appropriate to your disability will be assigned. If you have any questions concerning this process, please contact the Center at 652-7516. We are located in the Student Services Center, room 201, of the Edith Whitehead Building.

NOTE: All information sent from the college or the instructor will be sent to your Rebelmail account. You MUST check that email account at least once a week. You are responsible for knowing what is contained within those messages.

TENTATIVE HOMEWORK SCHEDULE – F'08

Note: eoo means Every-Other Odd-numbered homework problem, i.e., 1, 5, 9, 13, 17, . . .

Date Assigned	Section	Assignment
T 8/26	2.1	eoo 21-73, 81-89
R 8/28	2.2	eoo 13-69, 81-85
F 8/29	2.3	eoo 1-77
T 9/2	2.4	eoo 37-85, 97-101
R 9/4	2.5	eoo 13-69
F 9/5	2.6 // 2.7	eoo 41-69 // eoo 37-81
M 9/8	Review	Chapter 2 test, p. 115, all 1-28
T 9/9	TEST 1	
R 9/11	3.1	eoo 29-53, 65-89
F 9/12	3.2	eoo 25-97
M 9/15	3.3 // 3.4a	eoo 37-57, 73-77 // eoo 21-57
T 9/16	3.4b // 3.5	odds 59-63; eoo 69-93 // eoo 53-81
R 9/18	3.6	eoo 1-69
F 9/19	3.7	eoo 17-57; odds 69-71
M 9/22	Review	Chapter 3 test, pp. 200-201, all 1-30
T 9/23	TEST 2	
R 9/25	4.1	eoo 17-61, 73-89
F 9/26	4.2	eoo 5-29
M 9/29	4.3	eoo 1-45; 51
T 9/30	4.5	odds 1-23
R 10/2	Review	Chapter 4 test, p. 253, all 1-7, 11-15
F 10/3	TEST 3	
M 10/6	5.2	eoo 29-89
T 10/7	5.3 // 5.4	eoo 73-89, 105-129 // eoo 49-85, 97-113
R 10/9	5.5 // 5.6	eoo 33-65; 93 // eoo 45-85, 97-101
F 10/10	5.7	eoo 37-65, 81-93
M 10/13	5.8	eoo 29-85
T 10/14	Review	Chapter 5 test, pp. 335-336, all 1-29
M 10/20	TEST 4	(last day to drop/audit)
T 10/21	6.1	odds 57-75, 83-89
R 10/23	6.2	odds 47-67, 93
F 10/24	6.3	eoo 9-49, 73
M 10/27	6.5	odds 21-47, 61-65
T 10/28	6.6	eoo 1-61, 69
R 10/30	6.7	eoo 1-53
F 10/31	Review	Chapter 6 test, pp 409-410, all 1-18, 21-29
M 11/3	TEST 5	

(continued)

T	11/4	7.1	eoo 29-89
R	11/6	7.2	eoo 29-97
F	11/7	7.3 // 7.4a	eoo 33-69, 77, 85 // eoo 9-41
M	11/10	7.4b // 7.5	eoo 49-73 // eoo 1-45
T	11/11	7.6	eoo 25-69
R	11/13	7.7	eoo 1-85
F	11/14	Review	Chapter 7 test, pp. 475-476, all 1-13, 15-36
		(last day for complete withdrawal)	
M	11/17	TEST 6	
R	11/20	9.1	eoo 1-53
F	11/21	9.3	eoo 1-49
M	11/24	9.2 // 9.4	odds 31-39 // eoo 29-73
T	11/25	9.5	eoo 1-61
M	12/1	9.6	eoo 33-65
T	12/2	9.7	eoo 13-61
R	12/4	Review	Chapter 9 test, p. 599, all 1-31
F	12/5	TEST 7	
M	12/8	8.1 // 8.2	eoo 37-81 // eoo 25-61
T	12/9	8.3	eoo 29-69
R	12/11	Review for Final Exam	
F	12/12	Review for Final Exam	
W	12/17	SECTION 5 FINAL EXAM, 10:00am-12:00noon	
F	12/19	SECTION 8 FINAL EXAM, 9:30-11:30am	

MATH IS NOT A SPECTATOR SPORT

1. Plan to spend a minimum of two hours of study time for each hour of class time.
2. Before attempting the assigned homework, read your notes and the relevant section. Follow each step in each example. Work the examples yourself, adding any missing steps.
3. Work each homework problem carefully, checking answers as you go. If you have the wrong answer, work the problem again.
4. Homework is the most important part of the class. Most learning takes place not in class but when doing homework.
5. Read the section that will be covered the next day. Note any confusing areas.
6. When the instructor covers the new material, see if the confusing areas have been explained. If not, ask questions!
7. Attend class every day. It's hard to learn math on your own.
8. The solution manual that accompanies the text is designed for occasional clarification, not for homework copying.
9. Use the tutoring center frequently.
10. The instructor's office hours are for you (those of you who have been to class and have attempted the homework). You do not need an appointment. Make an appointment if you can't make the scheduled times.
11. You may feel that the tests are too long. However, you must not only know the material but also know it well enough to work quickly.
12. Save your tests; they provide a good review for the final exam. You'll receive an answer test when a test is returned.
13. If any test is curved, every person's grade receives the curve. You are competing with yourself, not with other class members.