

SYLLABUS---MATH 1010 SECTION 15

INTERMEDIATE ALGEBRA

CRN# 23619

SPRING SEMESTER, 2011

Monday, Wednesday 2:00-3:50

Instructor: Dr. Gregory Berry

Office: NIB 134 652-7991

Credits: 4 Hours

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You will be given quizzes in class. Chapter examinations will be given in the testing center (<http://new.Dixie.edu/testing/>). Examination and quiz scores will be posted on Blackboard Vista. The final exam will be given in class.

1. OBJECTIVES: All classes in mathematics at Dixie College support the general education goal of the college. Each class 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.

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 & QUIZZES: Each student is expected to take the examinations as scheduled in the syllabus. No make-up exam will be given unless either the instructor or the math office is notified before the end of the time period for taking the exam. A make-up exam will only be scheduled at the discretion of the instructor. A final comprehensive exam will be given at the end of the term. The grade on the final exam will also be used to replace the lowest chapter exam grade. Frequent quizzes will be given, but only the top 10 scores will count. No make-up quizzes will be given. Examination results will be discussed in the class following the exam.

4. ATTENDANCE: Attendance is essential and roll will be taken. Unavoidable absences will only be penalized if excessive. The instructor needs to be notified in advance for all pre-known unavoidable absences. 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 (or left at the math office) no later than during the first class after each exam period. No late homework will be accepted. Homework will not be graded but only checked for completeness and then returned. Only the assignments listed in this Syllabus need to be turned in. It is very important that you keep current on the assignments. It is suggested that the homework be attempted after the subchapter has been discussed in class. Additional review assignments will be posted on Blackboard Vista and it is expected that each student complete this assignment prior to the indicated chapter review class.

6. HELP: I will be the Adjunct office (NIB 134) directly after each class, but will only stay as

long as necessary. I am also available for help by appointment. There are also tutors available in the Browning Resource Center and the NIB room 202.

7. SEMESTER SCHEDULE: <http://new.dixie.edu/reg/?page=spring2011>

8. CLASSROOM MANAGEMENT: Students are encouraged to review the class material prior to be presented in class. This includes reading the material subchapters to be discussed (including the example problems) and attempting to solve the practice problems. All of the practice problems will be discussed in class. Please turn off your cell phones in class. Usage will not be tolerated. During class time, please respect me and your fellow classmates. Listen when someone else is talking, participate when appropriate, stay awake and avoid disruptive behavior. If you do not want to be part of the learning process, I will let you know verbally that you are behaving inappropriately. If it continues, I will send you written notice. As a last resort I will ask you to leave class and your grade will be affected as indicated below.

9. GRADES: Grades will be calculated as follows:

Chapter Exams 40% - Final Exam 30% - Quizzes 10% - Attendance 10% - Homework 10%

Grades and exam/quiz scores will be emailed via Blackboard Vista.

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%
	49 – 0%				F

10. ASSIGNMENT SCHEDULE

M 1/10 2.1 EOO-65,35,67-72 All, 81
 2.2 EOO-66,23,24,43,80

W 1/12 2.3 EOO-37,31,51,53
 2.4 EOO-73,75,81-84 ALL

M 1/17 HOLIDAY

W 1/19 2.5 EOO-65,81,82,83,85
 2.6 EOO-65,75,76,77

M 1/24 2.7 EOO-73
 REVIEW

M-Tu 1/24-25 Test Ch. 2

W 1/26 3.1 1-16 ALL,17-61EOO,65-72ALL, 77-80 ALL
 3.2 ODDS-39,57-85 EOO,55,71,75,79,95
 3.3 9-12 ALL,13-57EOO 31,73,75,77
 LAST DAY to TURN in Homework for Chapter 2

M 1/31 3.4 EOO-61,35,39,67,75,78
 3.5 EOO-81,39,43,47,55,75

W 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

M 2/7 REVIEW

M-Tu 2/7-8 Test Ch. 3 & 4

W 2/9 5.1 EOO-93,95,111,113,135
 5.2 EOO-37,19,47,57,69,73
 LAST DAY to TURN in Homework for Chapter 3 & 4

M2/14 5.3 EOO-65,75,81,85,89-92,111,113,119
5.4 EOO-73,81,83

W 2/16 5.5 EOO-65
5.6 EOO-77,67

M 2/21 HOLIDAY

W 2/23 5.7 EOO-53,83,85,87
5.8 EOO-53,71,73,75,81,87

M 2/28 REVIEW

M-Tu 2/28-3/1 Test Ch. 5

W 3/2 6.1 EOO-73
6.2 EOO-65,75,77
LAST DAY to TURN in Homework for Chapter 5

M 3/7 6.3 EOO-41
6.4 1,3,5,29,30

W 3/9 6.5 EOO-45,31
6.6 EOO-61,31

M 3/14 -3/18 SPRING BREAK

M 3/21 REVIEW

M-Tu 3/21-3/22 Test Ch. 6

W 3/23 7.1 EOO-81,109
7.2 EOO-85,86
7.3 EOO-89
LAST DAY to TURN in Homework for Chapter 6

M 3/28 7.4 EOO-73
7.5 EOO-65

W 3/30 7.6 EOO-61,51,55,64,66,69
7.7 EOO-49,51,65,73,75,77

W 4/4 8.1 EOO-61,75,77,81,83
8.2 EOO-33,51,55,63,64
8.3 1,5,9,11,17

M 4/6 REVIEW

M-Tu 4/6-7 Test Ch. 7 & 8

M 4/11 9.1 EOO-33,27,31,43,45
9.2 EOO-49,15
LAST DAY to TURN in Homework for Chapter 7 & 8

W 4/13 9.3 EOO-49,47
9.4 EOO-73,31,43

M 4/18 9.5 EOO-61,35,43,55,59
9.6 EOO-65,47,51,67
9.7 EOO-53,47

W 4/20 REVIEW

W-Th 4/20-21 Test Ch. 9

M 4/25 **FINAL REVIEW 1**
LAST DAY to TURN in Homework for Chapter 9

W 4/27 **FINAL REVIEW 2**
LAST DAY to PICK-UP Homework

M 5/2 **FINAL EXAM**