

**SYLLABUS---MATH 1010**  
**INTERMEDIATE ALGEBRA**  
**CRN# 23619**  
**SPRING SEMESTER, 2010**  
**M,Tu,W,Th 2:00 pm**

Instructor: LYNN R. HUNT  
Credits: 4 Hours  
Text: Intermediate Algebra  
Martin-Gay  
Fifth Edition 2009

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Hours: 10 - 12 DAILY  
3 - 3:30 M- TH

- 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/TI-84 Plus will be used in class and is highly recommended for Math 1010, Math 1050(Non-Calculus students) , Math 1090 and Math 1100. The TI-89 is recommended for Math 1050, Math 1060, 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. 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.

**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 each day, but will only be collected on the day of the test. Put all homework together, fold in half lengthwise, and at the top include: (for example)

John Doe  
Math 1010, 9:00  
Ch. 2  
ALL - ?

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

**7. SEMESTER SCHEDULE:** <http://new.dixie.edu/reg/?page=spring2010>

**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 and examinations. Grades will be sent to your Dmail address after each test. Grades will be assigned as follows:

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

#23619 ASSIGNMENT SCHEDULE (M1010,S10,58.M,Tu,W,Th) #23619

|     |    |     |  |     |      |     |  |
|-----|----|-----|--|-----|------|-----|--|
| JAN | 11 | 2.1 | EOO-65,35,67-72 ALL,81                       | Tu  | 2    | 6.1 | EOO-73                                 |
| Tu  | 12 | 2.2 | EOO-66,23,24,43,80                           | W   | 3    | 6.2 | EOO-65,75,77                           |
| W   | 13 | 2.3 | EOO-37,31,51,53                              | Th  | 4    | 6.3 | EOO-41                                 |
| Th  | 14 | 2.4 | EOO-73,74,75,81-84 ALL                       |     |      | 6.4 | 1,3,5,29,30                            |
| M   | 18 |     | NO SCHOOL                                    | M-F | 8-12 |     | NO SCHOOL                              |
| Tu  | 19 | 2.5 | EOO -65,81,82,83,85                          | M   | 15   | 6.5 | EOO-45,31                              |
| W   | 20 | 2.6 | EOO-65,75,76,77                              | Tu  | 16   | 6.6 | EOO-61,31                              |
| Th  | 21 | 2.7 | EOO-73                                       | W   | 17   | 6.7 | EOO- 53,23,31,47,51                    |
| M   | 25 |     | REVIEW                                       | Th  | 18   |     | REVIEW                                 |
| Tu  | 26 |     | <b>TEST CHAPTER 2</b>                        | M   | 22   |     | <b>TEST CHAPTER 6</b>                  |
| W   | 27 | 3.1 | 1-16 ALL, 17-61 EOO,<br>65-72 ALL, 77-80 ALL | Tu  | 23   | 7.1 | EOO-81,109                             |
| Th  | 28 | 3.2 | ODDS-39, EOO 57-85,55,<br>71,75,79,95        | W   | 24   | 7.2 | EOO-85,86                              |
| FEB | 1  | 3.3 | 9-12 ALL,13-57 EOO,31,<br>73,75,77           | Th  | 25   | 7.3 | EOO-89                                 |
|     |    | 3.4 | EOO-61,35,39,67,75,78                        | M   | 29   | 7.4 | EOO-73                                 |
| Tu  | 2  | 3.5 | EOO-81,39,43,47,55,75                        | Tu  | 30   | 7.5 | EOO-65                                 |
| W   | 3  | 4.1 | EOO-61,73-82 ALL                             | W   | 31   | 7.6 | EOO-61,51,55,64,66,69                  |
| Th  | 4  | 4.2 | 1,3,5,9,17,21,39                             | APR | 1    | 7.7 | EOO-49,51,65,73,75,77                  |
| M   | 8  | 4.3 | EOO-33,7,20,55                               | M   | 5    | 8.1 | EOO-61,75,77,81,83                     |
| Tu  | 9  |     | REVIEW                                       | Tu  | 6    | 8.2 | EOO-33,51,55,63,64                     |
| W   | 10 |     | <b>TEST CHAPTERS 3-4</b>                     | W   | 7    | 8.3 | 1, 5, 9, 11, 17                        |
| Th  | 11 | 5.1 | EOO-93,95,111,113,135                        | Th  | 8    |     | REVIEW                                 |
| M   | 15 |     | NO SCHOOL                                    | M   | 12   |     | <b>TEST CHAPTERS 7-8</b>               |
| Tu  | 16 | 5.2 | EOO -37,19,47,57,69,73                       | Tu  | 13   | 9.1 | EOO-33,27,31,43,45                     |
| W   | 17 | 5.3 | EOO-65,75,81,85,89-92,<br>111,113,119        | W   | 14   | 9.2 | EOO-49,15                              |
|     |    | 5.4 | EOO-73,75,81,83                              | Th  | 15   | 9.3 | EOO-49,47                              |
| Th  | 18 | 5.5 | EOO-65                                       | M   | 19   | 9.4 | EOO-73,31,43                           |
| M   | 22 | 5.6 | EOO-77,67                                    | Tu  | 20   | 9.5 | EOO-61,35,43,55,59                     |
| Tu  | 23 | 5.7 | EOO-53,83,85,87                              | W   | 21   | 9.6 | EOO-65,47,51,67                        |
| W   | 24 | 5.8 | EOO-53,71,73,75,81,87                        | Th  | 22   | 9.7 | EOO-53,47                              |
| Th  | 25 |     | REVIEW                                       | M   | 26   |     | REVIEW                                 |
| MAR | 1  |     | <b>TEST CHAPTER 5</b>                        | Tu  | 27   |     | <b>TEST CHAPTER 9</b>                  |
|     |    |     |  | W   | 28   |     | FINAL REVIEW                           |
|     |    |     |  | Th  | 29   |     | FINAL REVIEW                           |
|     |    |     |  | MAY |      |     |  |
|     |    |     |  | W   | 5    |     | <b>FINAL EXAM</b><br><b>12:30 p.m.</b> |