DIXIE STATE COLLEGE - - Spring 2009
MATHEMATICS DEPARTMENT

**Course Number**: MATH 1010            **Course Title**: Intermediate Algebra
**Section Number**: 52                  **Meeting Time**: M, W   5:15 – 6:55 PM
**Room Number**: NIB 144                            Jan 5 to Apr 27
**Instructor**: Ross Decker             **Office Room Number**: NIB 139
**Office Phone Number**: 652-7763       **Office Hours**: 10:00-10:50 Daily (or by appointment)
**Text**: Intermediate Algebra (5th Edition)   **Author**:  K. Elayn Martin-Gay
**Prerequisites**:  C or better in **MATH 990** or ACT Math score of 18 or higher.

Exam dates and points possible are as follows:

| | | |
|---|---|---|
| Exam 2 | January 14-18 | 100 points |
| Exam 3/4 | February 4-8 | 100 points |
| Exam 5 | February 23-26 | 100 points |
| Exam 6 | March 9-12 | 100 points |
| Exam 7/8 | April 6-9 | 100 points |
| Exam 9 | April 20-23 | 100 points |
| Final Exam | April 27 | 200 points |
| | (5:00-7:00 PM) | |
| Homework | (5 points each) | 235 points |
| TOTAL POINTS: | | 1035 points |

**ATTENDANCE**: Any student who misses the first two days of class will be dropped from the class.

**DISHONESTY:** If it is determined that you cheated, you will receive a zero for that exam.
      If cheating occurs a second time, you will receive an F for the course.

**DISABILITIES**: If you are a student with a medical, psychological, or learning disability, and would like
   accommodations or think you might have a disability, contact the Disability Resource Center (652-7516) in
   the Student Services Center, Room 201.  The Disability Resource Center will determine eligibility based on
    your professional documentation and determine the appropriate accommodations related to your disability.

**GRADES**: Your semester grade will be based on the following scale:  **A**(92-100%), **A-**(89-92%), **B+**(86-89%),
   **B**(82-86%), **B-**(79-82%), **C+**(76-79%), **C**(72-76%), **C-**(69-72%), **D+**(66-69%), **D**(62-66%), **D-**(59-62%), **F**(0-59%)

**GENERAL REMARKS**: It is the responsibility of each student to make time each day to read the text, attempt
   all homework problems, study for exams, and get extra help.  Your work should be neat and easily read.
   Problems will be graded more for the work shown than for the final answer.  Assignments should be
   considered a minimum and many students should work additional problems to reach mastery.  Course
   schedules, assignments, and exam dates are subject to change as circumstances dictate.

## COURSE OBJECTIVES

All mathematics classes at Dixie State College will:
1. Require students to perform mathematical processes including fractions, percentages, decimals,
   proportions/rations, 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.

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 or real-world problems including polynomial, quadratic,
   exponential, and logarithmic functions.

| MON | WED | | |
|---|---|---|---|
| **1/5**<br>2.1 & 2.2 | **1/7**<br>2.3 & 2.4 | **2.1** 1-65eoo, 35, 67-72, 81<br>**2.2** 1-65eoo, 23, 24, 43, 80 | |
| **1/12**<br>2.5 & 2.6 | **1/14**<br>2.7, Review Ch 2 | **2.3** 1-37eoo, 31, 51, 53<br>**2.4** 1-73eoo, 74, 75, 81-84 | |
| **1/19**<br>MLK Day | **1/21**<br>3.1 & 3.2 | **2.5** 1-65eoo, 81-83, 85<br>**2.6** 1-65eoo, 75-77 | |
| **1/26**<br>3.3 & 3.4 | **1/28**<br>3.5 & 4.1 | **2.7** 1-73eoo<br>**3.1** 1-16,17-61eoo,65-72,77-80 | |
| **2/2**<br>4.2 & 4.3 | **2/4**<br>Review Ch 3/4 | **3.2** 1-39o,55,57-85eoo,71-79eoo,95<br>**3.3** 9-12,13-57eoo,31,73-77o | |
| **2/9**<br>5.1, 5.2, 5.3 | **2/11**<br>5.4 & 5.5 | **3.4** 1-61eoo, 35, 39, 67, 75, 78<br>**3.5** 1-81eoo, 39-47eoo, 55, 75 | |
| **2/16**<br>Presidents Day | **2/18**<br>5.6 & 5.7 | **4.1** 1-61eoo, 73-82<br>**4.2** 1, 3, 5, 9, 17, 21, 39 | |
| **2/23**<br>5.8, Review Ch 5 | **2/25**<br>6.1 & 6.2 | **4.3** 1-33eoo, 7, 20, 55<br>**5.1** 1-93eoo, 95,111,113,135 | |
| **3/2**<br>6.3 & 6.4 | **3/4**<br>6.5 & 6.6 | **5.2** 1-37eoo, 19, 47, 57, 69, 73<br>**5.3** 1-65eoo,75,81,85,89-92,111,113,119 | |
| **3/9**<br>6.7, Review Ch 6 | **3/11**<br>7.1 & 7.2 | **5.4** 1-73eoo, 75, 81, 83<br>**5.5** 1-65eoo | |
| **3/16**<br>S P R I N G | **3/18**<br>B R E A K | **5.6** 1-77eoo, 67<br>**5.7** 1-53eoo, 83-87o | |
| **3/23**<br>7.3 & 7.4 | **3/25**<br>7.5 & 7.6 | **5.8** 1-53eoo, 71-75o, 81, 87<br>**6.1** 1-73eoo | |
| **3/30**<br>7.7 & 8.1 | **4/1**<br>8.2 & 8.3 | **6.2** 1-65eoo, 75, 77<br>**6.3** 1-41eoo | |
| **4/6**<br>Review Ch 7/8 | **4/8**<br>9.1 & 9.2 | **6.4** 1, 3, 5, 29, 30<br>**6.5** 1-45eoo, 31 | |
| **4/13**<br>9.3 & 9.4 | **4/15**<br>9.5 & 9.6 | **6.6** 1-61eoo, 31<br>**6.7** 1-53eoo, 23, 31, 47, 51 | |
| **4/20**<br>9.6, Review Ch 9 | **4/22**<br>Final Review | **7.1** 1-81eoo, 109<br>**7.2** 1-85eoo, 86 | |
| **4/27**<br>Final Exam<br>(5:00-7:00) | | **7.3** 1-89eoo<br>**7.4** 1-73eoo<br>**7.5** 1-65eoo | |

**7.6** 1-61eoo,51,55,64,66,69   **8.2** 1-33eoo,51,55,64,66,69   **9.2** 1-49eoo, 15   **9.5** 1-61eoo,35,43,55,59
**7.7** 1-49eoo,51,65,73-77o   **8.3** 1, 5, 9, 11, 17   **9.3** 1-49eoo, 47   **9.6** 1-65eoo, 47, 51, 67
**8.1** 1-61eoo,75,77,81,83   **9.1** 1-33eoo,27,31,43,45   **9.4** 1-73eoo,31,43   **9.7** 1-53eoo, 47

## Testing Center Hours

| Monday | Tuesday, Wednesday, Thursday, Friday | Saturday | Sunday |
|---|---|---|---|
| 1 PM to 10 PM | 9 AM to 10 PM | 2 PM to 10 PM | 4 PM to 10 PM |

<u>Important Dates for Spring Semester 2009</u>

| | |
|---|---|
| Jan 5 | Classes Begin |
| Jan 7 | Last Day to Add Without Signature |
| Jan 19 | Martin Luther King Day |
| Jan 20 | $50 Late Registration/Payment Fee |
| Jan 27 | Last Day for Refund |
| Jan 27 | Last Day to drop without receiving a W grade |
| Jan 27 | Pell Grant Census |
| Jan 28 | Students dropped for non-payment |
| Jan 30 | Last Day to Add Classes |
| Feb 16 | Presidents Day |
| Feb 23 | Mid-Term Grades Due |
| Feb 27 | Last Day to Drop/Audit Classes |
| Mar 16-20 | Spring Break |
| Mar 27 | Last Day for Complete Withdrawal |
| Apr 23 | Classwork Ends |
| Apr 24-30 | Final Exams |
| May 1 | Commencement |