**Dixie State University**

[**http://www.dixie.edu**](http://www.dixie.edu/)

**Syllabus for Intermediate Algebra (4.0 credits)**

**CRN 47777 Math 1010-82J Fall 2015**

This course does count toward overall credits earned for graduation and counts as an elective credit. Math 1010 does not fill the general education requirements; however, this course counts for financial aid and activity eligibility purposes, and the final grade contributes to the student’s cumulative GPA.

Instructor: Shelly Kidd-Thomas

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Classroom: Room 210

Office hours: 7:40-3:10

Date Range: August 13, 2015 – December 18, 2015

**Course Objectives:**

All classes in mathematics at Dixie State University 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

**Class Structure:** This section will have an extensive computer based component.  This means all homework, reviews, and tests will be done, checked and submitted to the instructor through a computer program called MyMathLab (MML). *You will need access to a computer with internet for daily assignments.* Computer labs on campus are available to those students who do not have internet access.

* **To register for MyMathLab (MML)**, go to <http://www.mymathlab.com/>
  + Under the heading “Register”, click “Student”.
  + When you are asked for the **COURSE ID** enter **kidd-thomas62092**
  + Follow the instructions to either create an account, or sign in if you have an existing account. If you are creating a new account, you will need to purchase a student **ACCESS CODE** from either the publisher as you are registering or ahead of time from the bookstore. Check both places to see which is less expensive.
  + When you enter your **email account**, please make sure you use the email that you check the most often.
  + If you have questions, please go to <http://www.pearsonmylabandmastering.com/northamerica/students/get-registered/index.html> and watch the video found by scrolling towards the bottom of the screen or you may contact customer support service (<http://www.mymathlab.com/student-support>).
  + We recommend that you initially sign onto MML using the 14-day free trial. Once you feel certain this is the right class for you, pay for access. All homework, reviews, and tests assignments are on MML.
* **You Have Access to MML, What Next?**
  + Log on to MML and, if you are using your own computer, be sure to download any required plugins by clicking on the “Browser Check” on the home page. You are now ready to do math.
  + Go back to MML Course Home and click on Homework. Here is your list of assignments. Click on the Orientation Video and watch this before our first class.

**Prerequisite:** C or better in Math 0900 or Math 0990; OR ACT or equivalent placement exam 13 or higher; OR CPT score of 31 or higher. All prerequisites satisfied within two years of enrollment in this course.

**eTextbook and Other Expenses:** Software based on the textbook **Beginning & Intermediate Algebra 5/e** by Martin-Gay (textbook not required) but you need to purchase an access code for MML (Cost approx $95) Course fee $35 A non-graphing scientific calculator ($8-$20) is recommended; however, you may use the MML calculator on the computer.

**Catalog Description:** Prepares students for courses that fulfill the General Education Math requirement. Concepts emphasized in this course include the properties of the real number system, sets, functions, graphs, algebraic manipulations, linear and quadratic equations, systems of equations, and story problems. Students will be expected to reason mathematically and solve mathematical problems. Successful completion of the course gives students good preparation for college-level math courses. Successful completers satisfy prerequisite for MATH 1030, MATH 1040, MATH 1050, and Mathematics prerequisite for BIOL 2030, CHEM 1110, PHYS 1010, and STAT 2040. Course fee required. Prerequisite(s): MATH 0900 (Grade C or higher) within two years of enrollment in this course; OR ACT or equivalent placement score 13 or higher within two years of enrollment in this course; OR CPT score of 31 or higher within two years of enrollment in this course. FA, SP, SU 3.000 Credit hours; 1.000 Lecture hours; 4.000 Lab hours

**Calculators**: A non-graphing scientific calculator is recommended and will be allowed only on certain tests. Graphing Calculators, Cell phones, iPads, etc., may not be used as calculators on tests.

**Homework:** Assignments are to be completed in MML. Due dates are also posted in MML.

* You must score a minimum of 70% on your homework sets in order to access the test associated with those sections.
* You get three attempts to get a problem correct. If after the third attempt you still have not gotten the problem correct, you may request a similar problem to be generated and graded by clicking on the “Similar Exercise” button at the bottom of the homework window. You are encouraged to repeat homework problems and obtain a perfect score before the due date.
* If you do not know how to solve a problem, you may select the “Help Me Solve This”, “View an Example”, or other help features in the right hand menu in the MML homework window.
* Your homework will be worth 20% of your overall course grade.
* It is very important that you keep current on the assignments.

**Test Reviews:** Test reviews are to be completed in MML. Due dates are also posted in MML.

* No minimum score is required on your test reviews in order to access the test associated with the reviews.
* You get three attempts to get a problem correct. If after the third attempt you still have not gotten the problem correct, you may request a similar problem to be generated and graded by clicking on the “Similar Exercise” button at the bottom of the homework window. You are encouraged to repeat review problems and obtain a perfect score before the due date.
* If you do not know how to solve a problem, you may select the “Help Me Solve This”, “Textbook” or other help features in the right hand menu in the MML review window.
* Your test review scores will count as homework scores.
* You are highly encouraged to do the reviews to help you prepare for your tests.

**Tests:** Five tests will be given. Each test will be 12% of your overall course grade. **All tests must be taken in the Testing Center**. You may take each test only once. Students are expected to take the tests as scheduled in the syllabus. You may not access the test after the due date. Make-up exams will NOT be given except in documented emergencies, such as death in immediate family, hospitalization (documentation required), active military duty, DSU-sponsored-events requiring mandatory attendance (proof of attendance required).  You must notify your instructor immediately in the case of an emergency for consideration and get prior consent if not an emergency. The lowest test score (percentage) can be replaced with the final exam percentage. Only non-graphing scientific calculators are allowed on tests.

**Final Exam**: The final comprehensive exam worth 20% of your overall course grade must be taken in the Testing Center during Finals week which is Dec. 14-18. **You may take the** **final comprehensive exam only once**. You may not access any other websites or wear headphones while taking your final exam. Only non-graphing scientific calculators are allowed on midterm exams.

**Attendance:**  Attendance is essential and may be counted into your grade.

**Calculators:** Only non-graphing scientific calculators are allowed on tests. Cell phones, iPads, Graphing Calculators, etc. may not be used as calculators on tests.

**Grading Policy**: Unit Tests 12% each; Homework/Test Reviews Exam 20%; Final 20%

You can see your grade and all your scores on your MML Grade Book. Letter grades will be assigned as follows:

**A** 94 – 100% **B** 83 – 86% **C** 70 – 74% **D** 55 – 59%

**A-** 90 – 93% **B-** 80 – 82% **C-** 65 – 69% **D-** 50 – 54%

**B+** 87 – 89% **C+** 75 – 79% **D+** 60 – 64% **F** 0 – 49%

**MyMathLab (MML):** Please make sure you check your MML site frequently since class information will be posted there. Go to <http://www.mymathlab.com/> to access MML.

**Testing Center:** For current testing center hours, please go to <http://dixie.edu/testing>

**Disability Resource Center:** If you are a student with a medical, psychological, or learning disability or think you might have a disability and would like accommodations, contact the Disability Resource Center (652-7516) in the North Plaza.  The Disability Resource Center ([http://dixie.edu/drcenter/](https://mail.dixie.edu/owa/redir.aspx?C=r1q1KcKL5U-9GFigaNbwecWsF_XBM9FI8I3DngZ_09o0vYNepIVRsj7VvI9nAvsFqzIMLzr6KxA.&URL=http%3a%2f%2fdixie.edu%2fdrcenter%2f))  will determine eligibility of the student requesting special services and determine the appropriate accommodations related to their disability.

**Receiving your grades at the end of the semester:** Your course letter grade will be posted on Banner as soon as the Final Exam has been graded and the overall course average calculated (usually within 48 hrs after Exam has been taken).

**Withdrawing from or dropping a class:** If you never attend a class, the instructor may withdraw you from it. If you attend even one day, the instructor cannot withdraw you from the class. Since not all instructors will withdraw you for non-attendance, you should take care of that transaction for yourself by going to the registration window. If you quit attending and do not withdraw from the class, you will receive an F.

**Changing your schedule:** It is your responsibility, as the student, to ensure the accuracy of your class schedule. Be sure to check your schedule after every change you make to it. Run a hard copy and keep it!

**Complete Withdrawal:**  Dropping all classes does not withdraw you from the college and you may receive all F’s. You must contact the Advisement Center, complete a withdrawal form, and surrender your student ID card.

**Changes:**  Although unlikely, this syllabus and/or the assignment schedule may be changed if deemed necessary by the instructor. All changes will be announced in class and/or sent to your dmail, Powerschool or MML account.

**Miscellaneous Information**: Click on this link - [http://www.dixie.edu/reg/syllabus/](https://mail.dixie.edu/owa/redir.aspx?C=r1q1KcKL5U-9GFigaNbwecWsF_XBM9FI8I3DngZ_09o0vYNepIVRsj7VvI9nAvsFqzIMLzr6KxA.&URL=http%3a%2f%2fwww.dixie.edu%2freg%2fsyllabus%2f) - for comprehensive information on the Semester Dates, the Final Exam Schedule, University resources such as the library, Disability Resource Center, IT Student Help Desk, Online Writing Lab, Testing Center, Tutoring Center, and Writing Center.  In addition, please review DSU policies and statements with regards to Academic Integrity, Disruptive Behavior and Absences related to university functions.

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| **Due Dates and Recommended Schedule – Math 1010 Intermediate Algebra – Fall 2015** | | | | | |
| **Date** | **Day** | **Assignment** | **Date** | **Day** | **Assignment** |
| Aug 17 | Mon | Procedures/Orientation Video | Oct 13 | Tues | 6.3, 6.4, 6.5 |
| Aug 19 | Wed | 1.2, 1.4, 1.5 | Oct 19 | Mon | 6.6, 6.7, Ch 5&6 Review II |
| Aug 21 | Fri | 1.6, 1.7. 1.8 | Oct 21 | Wed | Ch 5&6 Review Day  Ch 5&6 Test Opens |
| Aug 24 | Mon | 1.2, 1.4, 1.5, 1.6, 1.7, 1.8 Video Due | Oct 23 | Fri | 7.1, 7.2 |
| Aug 25 | Tues | 1.3, 2.1 | Oct 24 | Sat | Ch 5&6 Test Closes  Sec. 5.1-5.6, 6.1-6.7 Hw Due  Ch 5&6 Review I and II Due |
| Aug 27 | Thurs | 2.2, 2.3 | Oct 27 | Tues | 7.3, 7.4, Ch 7&8 Review I |
| Aug 31 | Mon | 2.4, Ch 2 Review I | Oct 29 | Thurs | 7.5, 7.7 |
| Sep 2 | Wed | 2.5, 2.6 | Nov 2 | Mon | 8.4, Ch 7&8 Review II |
| Sep 4 | Fri | 2.7, Ch 2 Review II | Nov 4 | Wed | 2.8, 9.1  Ch 7&8 Test Opens |
| Sep 9 | Wed | Ch 2 Review Day  Chapter 2 Test Opens | Nov 6 | Fri | 9.2, 9.3 |
| Sep 11 | Fri | 3.1, 3.2 | Nov 7 | Sat | Ch. 7&8 Test Closes  Sec. 7.1-7.7, 8.4 Hw Due  Ch 7&8 Review I and II Due |
| Sep 12 | Sat | Chapter 2 Test Closes  Sec. 1.3, 2.1-2.7 Hw Due  Ch 2 Review I and II Due | Nov 10 | Tues | 10.1, 10.2 |
| Sep 15 | Tues | 3.3, 3.4 | Nov 12 | Thurs | 10.3, Ch 9&10 Review I |
| Sep 17 | Thurs | 3.5, 3.6 | Nov 16 | Mon | 10.4, 10.5 |
| Sep 21 | Mon | 8.1, Ch 3&4 Review I | Nov 18 | Wed | 10.7, Ch 9&10 Review II |
| Sep23 | Wed | 4.1, 4.2 | Nov 20 | Fri | Ch 9&10 Review Day  Ch 9&10 Test Open |
| Sep 25 | Fri | 4.3, 4.4 | Nov 24 | Tues | 11.1, 11.2  Ch 9&10 Test Closes  Sec. 2.8,9.1-9.3,10.1-10.5,10.7 Hw Due  Ch 9&10 Review I and II Due |
| Sep 29 | Tues | 4.5, Ch 3&4 Review II | Dec 1 | Tues | 12.1, 12.2, 12.3 |
| Sep 30 | Wed | Ch 3&4 Test Opens | Dec 3 | Thurs | 12.4, Ch 11&12 Review I |
| Oct 1 | Thurs | 5.1, 5.2 | Dec 7 | Mon | 12.5, 12.6,12.7 |
| Oct 3 | Sat | Ch 3&4Test Closes  Sec 3.1-3.6,8.1,4.1-4.5 Hw Due  Ch 3&4 Review I and II Due | Dec 9 | Wed | Final Review Homework Day |
| Oct 5 | Mon | 5.3, 5.4 | Dec 11 | Fri | Final Review Homework Day |
| Oct 7 | Wed | 5.5, 5.6, Ch 5&6 Review I | Dec | 14-18 | Final Exam in Testing Center |
| Oct 9 | Fri | 6.1, 6.2 | Dec 18 | Fri | Ch 11&12 Review I Due  Sec. 11.1-11.2, 12.1-12.7 Hw Due  Final Exam Review Due |