Dixie State University

http://www.dixie.edu

Syllabus for Transitional Mathematics II (3.0 credits)

CRN 41384 Math 1000-02 Fall 2017

This course is a pre-requisite course for GE math courses. It does not count toward overall credits earned for graduation, nor does it fill 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.

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Office: SNOW 142
Office hours: MTWRF 10:00-10.50AM
eLab hours: T 9.00-10:00AM

Classrooms & Class time:
SNOW 144: MTWR 8:00-8.50AM
Date Range: August 21st - December 15th, 2017

Course Objectives:
All classes in mathematics at Dixie State University 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, logarithmic and exponential 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 1000 is designed to give students a basic understanding of Beginning and 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, percentages, and decimals.
2. Use algebraic processes to solve algebraic, logarithmic and exponential equations in one and/or two 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 and quadratic equations.

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) inside of Canvas** (Preferred method and will be announced in class.)
  Within Canvas you will see a feature on the left side for MyLab and Mastering. Click on it and open MyMathLab using the link. Refer to the following to finalize creating your account.
  - ✓ 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 Video Notebook. You will need to print the whole notebook for this semester. Follow the links to print it all at once, or chapter by chapter. (See Video Notebook section on syllabus.)

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 6/e** by Elayn Martin-Gay (textbook not required) but you need to purchase an access code for MML (Cost approx $95) A print-out of the Video Notebook (approx $12) Course fee $35 A non-graphing scientific calculator ($8-$20) is recommended.

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. FA, SP, SU.

Calculators: A non-graphing scientific calculator is recommended. *Graphing Calculators, Cell phones, Smart watches, iPads, etc., may not be used as calculators on tests.* Check with your instructor to be sure you are using an appropriate calculator.

Attendance: You are required to attend class every day during your scheduled class time. Attendance is mandatory and worth 10% of your overall grade! You are responsible for making sure your instructor records your attendance each day.

eLab Attendance: You are required to spend two hours per week in the eLab for additional homework help. You must sign in and out to receive credit. Your hours will be sent to your instructor weekly. eLab attendance is mandatory and will be counted towards your Attendance grade! (We find it is easiest if you block out a half an hour each day building it into your schedule.)

Homework: Assignments are to be completed in MML. Due dates are posted in MML and on the Assignment Schedule.

- To receive full credit, homework must be completed by the due date. Partial credit will be given for any problems/assignments completed after the due date.
- You must score a minimum of 80% on your homework assignments in order to access the test for 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 Question" button at the bottom of the homework window. You are encouraged to repeat homework problems and obtain a perfect score before the recommended due date.
- If you need help on an assignment, it is recommended to contact your instructor or visit the eLab for tutoring help. If you still 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.
- *Assignment Schedule is located on MML and will be provided with the syllabus as a separate PDF.*
- Your homework scores will be totaled and scaled so that your homework is 20% of your overall course grade!

Test Reviews: Test reviews are to be completed in MML. Due dates are posted in MML and on the Assignment Schedule.

- To receive full credit, reviews must be completed by the due date. Partial credit will be given for any problems/assignments completed after the due date.
- You must score a minimum of 80% 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 Question" button at the bottom of the homework window. You are encouraged to repeat review problems and obtain a perfect score before the recommended due date.
- No help features are available for the reviews. If you do not know how to solve a problem, please look in your homework sets for a similar problem and use the help features within the homework set to assist you.
- Your test review scores will count towards you Homework grade!

Extensions: *ALL due dates are posted in MML and it is highly recommended you follow the Recommended Schedule*. Extensions to due dates will not be given, unless you have an appropriate excused absence.

Video Notebook: The Video Notebook is a graded assignment. You are required to print the Video Notebook from MML and fill it out as you watch the MML video lectures. It is your responsibility to complete and have each Video Notebook chapter graded by your instructor before you take your test. If you do not have a grade for the part of the Video Notebook associated with a test, you will not be able to take the test.

Homework Notebook: You are required to keep a homework notebook (or binder if you wish), which will be graded on completeness, organization, and appropriate use of math notation. The notebook will be graded by your instructor at the end of each chapter in order for you to gain access to the test associated with the homework sets. It is your responsibility to find your instructor and have him/her grade your notebook before you take your test. If you do not have a grade for the part of the Homework Notebook associated with the test, you will not be able to take the test.
The Video and Homework Notebook are graded assignments and together worth 5% of your overall grade!

Tests: Five tests will be given. You may take each test up to two times to improve your score and only the highest score will be counted. If you would like to take a test early, you need to contact your instructor and set up an appointment. Your first attempt must

be taken on or before the day specified in the schedule given at the end of the syllabus. If you finished all prerequisites prior to the first attempt, you will be given the opportunity of improving your score on the second attempt. **If you scored less than a 70% on your first attempt and want a second attempt, it is *highly recommended* you set up an appointment and get help from your instructor before you take your second attempt**. You must take your second attempt within the time frame specified on the Assignment Schedule. You may not access any other websites or wear headphones while taking your tests. An approved non-graphing scientific calculator is recommended and are allowed on all tests. Chapter Tests are worth 40% of your overall grade!

Final Exam: The final exam will be comprehensive and is worth 25% of your overall course grade. **You must take the final exam on December 11, 2017 at 7:00-8:50am in SNOW 144**. **You may take the final comprehensive exam only once**. You may not access any other websites or wear headphones while taking your final exam. If you have a course schedule conflict with the final exam schedule, please contact your instructor as soon as possible.

Tutoring Center, eLab, Supplemental Instruction*: We will continue to offer tutor and supplemental instruction for students seeking extra help in their courses. Please check the eLab for the Tutoring and Supplemental Instruction schedule as well as continually checking with your instructors for updates.*

Grading Policy: Grades will be based on: (with an allowance of ±1%)

Attendance 10%	Video and Homework Notebooks 5%	Homework and Reviews 20%
Tests 40%	Final Exam 25%	

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%

Cheating: Cheating will not be tolerated. Any student caught cheating will receive an automatic zero for that specific assignment/test and will forfeit the right of any retakes. If caught more than once, the student will be reported to the Department Chair for further disciplinary action. Please refer to: **Academic Integrity / Academic Honesty:** Specific course rules and reference to Student Rights and Responsibilities Code, Policy 5-33, is available at http://catalog.dixie.edu/codeofstudentrightsresponsibilities/ or the University Catalog.

MyMathLab (MML): Please make sure you check your MML account frequently since class information will be posted there. Go to http://www.mymathlab.com/ for access to the MML website.

Canvas: Canvas will be the port of entry for your use of the MML program. Canvas will only be used for you to monitor grades and provide you a single sign-on port of entry. To access Canvas, go to https://canvas.dixie.edu/ after which click on the MyLab and Mastering icon on the side and log into MML. All homework and tests will be completed in MML. We do encourage you to always refer to your MML gradebook as an accurate representation of your standing in the course.

Testing Center: Tests will NOT be given in the Testing Center. If necessary, you can find current testing center hours at http://dixie.edu/testing

Disability Resource Center: If you suspect or are aware that you have a disability that may affect your success in the course, you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone: (435) 652-7516.

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 a failing grade, F.*

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, Canvas, or MML account.

Miscellaneous Information: For comprehensive information on University resources such as the Library, Disability Resource Center, IT Student Help Desk, Online Writing Lab, Testing Center, Tutoring Center, Writing Center, etc., please go to http://dixie.edu/resources/.