Dixie State University

http://www.dixie.edu

Syllabus for Transitional Mathematics II (3.0 credits)

CRN #47456 Math 1000-02 Fall 2014

This course 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.

Instructor:	Elizabeth Cornwall	Classrooms & Class time:
Phone:	435.652.7645	SNOW 002 eLab: MWR 9:00am-9:50am
Email:	ecornwall@dixie.edu	SNOW 144: Tuesday 9:00am- 9:50am
Office:	SNOW bldg. Rm 126	
Office hours:	MW 8:00am-8:50am, TR 4:00pm-5:00pm, or by appointment	
eLab hours:	TR 10:00am- 10:50am	
Date Range:	August 25, 2014 – December 19, 2014	

Course 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 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, 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/ and
  - ✓ Under the heading "Register", click "Student".
  - ✓ When you are asked for the **COURSE ID** enter **cornwall76613**
  - ✓ 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.
  - ✓ 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 5/e** by 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 $6) Course fee $35 A 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.

Attendance: You are required to attend class every day during your scheduled class time. Attendance is mandatory and worth 15% of your overall grade! You are responsible for making sure your instructor records your attendance each day.

Homework: Assignments are to be completed in MML. Due dates are posted in MML and at the end of the syllabus.

- You must score a minimum of 90% 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 Exercise" 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 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. If you need further assistance, contact your instructor.
- 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 at the end of the syllabus.

- 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 Exercise" 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 be totaled and scaled so that your test review score is 10% of your overall course grade

Video Notebook: The Video Notebook is a graded assignment. You are required to print the Video Notebook from MML, three-hole punch it, and place it in a 3-ring binder, and fill it 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. Also, to get credit for attendance, you must have your video notebook with you in class. Moreover, you must have your Video Notebook completed up to the point where you are asking for help in order to receive assistance in the eLab.

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. You are required to have your Homework Notebook with you in the eLab in order to get credit for attendance. 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.

Tests: Five tests will be given. **All tests must be taken in the eLab**. 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 decide you want to improve your grade, you need to contact your instructor and request a second attempt. **If you scored less than a 70% on your first attempt and want a second attempt, you must set up an appointment and get help from your instructor before you can take your second attempt**. You must take your second attempt within the time frame specified in the schedule given at the end of the syllabus. You may not access any other websites or wear headphones while taking your tests.

Fast Track Option for Tests: If you look ahead at content for a specific test material and you feel you know the material, you may ask your instructor to allow you to take the fast track test for that material. You may take the test only once, at the eLAB. If you score an 80% or higher, all assignments (i.e. homework, quizzes, video notebook, and homework notebook) for that test material will be omitted from your overall grade in the class and you may proceed to the next test material. If you do not score an 80% or higher, you will be required to complete the test material including all of the assignments in order to proceed. You may not access any other websites or wear headphones while taking your fast track tests.

Final Exam: The final exam will be comprehensive and is worth 20% of your overall course grade. **You must take the final exam on Thurs. Dec. 18th at 9:30-11:30 in SNOW 002**. **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.

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

Attendance 15%	Video and Homework Notebooks 5%	Homework 20%
Test Reviews 10%	Tests 30%	Final Exam 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.

Canvas: The Canvas site for this class will contain the Syllabus and a video on how to register for MML. Go to https://canvas.dixie.edu/ to access Canvas. The above and other class information will be posted in 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/) 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 or WF which averages into your GPA as 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, Canvas, or MML account.

Miscellaneous Information: Click on this link - http://www.dixie.edu/reg/syllabus/ - 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.

Due Dates and Recommended Schedule – Math 1000 Transition 2 – Fall 2014							
Date	**Day**	**Assignment**	**Progress**	**Date**	**Day**	**Assignment**	**Progress**
Aug 25	Mon	Orientation Video, 1.3		Oct 20	Mon	1st Attempt Ch 5&6 Test Due Ch 5&6 Review I and II Due	
Aug 26	Tues	2.1,2.2		Oct 21	Tues	7.1, 7.2	
Aug 27	Wed	2.3, Ch 2 Review I		Oct 22	Wed	7.3	
Aug 28	Thurs	2.4		Oct 23	Thurs	7.4, Ch 7&8 Review I	
Aug 29	Fri	Catch Up/ Get Ahead Day		Oct 24	Fri	Catch Up/ Get Ahead Day	
				Oct 25	Sat	2nd Attempt Ch 5&6 Test Due	
Sep 1	Mon	Holiday-No School		Oct 27	Mon	7.5	
Sep 2	Tues	2.5,2.6		Oct 28	Tues	7.7	
Sep 3	Wed	2.7, Ch 2 Review II Sec. 1.3, 2.1-2.7 Hw Due		Oct 29	Wed	8.4, Ch 7&8 Review II Sec. 7.1-7.7, 8.4 Hw Due	
Sep 4	Thurs	Ch 2 Review Day		Oct 30	Thurs	Ch 7&8 Review Day	
Sep 5	Fri	Catch Up/ Get Ahead Day		Oct 31	Fri	Catch Up/ Get Ahead Day	
Sep 8	Mon	1st Attempt Ch 2 Test Due Ch 2 Review I and II Due		Nov 3	Mon	1st Attempt Ch 7&8 Test Due Ch 7&8 Review I and II Due	
Sep 9	Tues	3.1, 3.2		Nov 4	Tues	2.8	
Sep 10	Wed	3.3		Nov 5	Wed	9.1	
Sep 11	Thurs	3.4		Nov 6	Thurs	9.2	
Sep 12	Fri	Catch Up/ Get Ahead Day		Nov 7	Fri	Catch Up/ Get Ahead Day	
Sep 13	Sat	2nd Attempt Ch 2 Test Due		Nov 8	Sat	2nd Attempt Ch 7&8 Test Due	
Sep 15	Mon	3.5		Nov 10	Mon	9.3, 10.1	
Sep 16	Tues	3.6		Nov 11	Tues	Career Day. No Class!	
Sep 17	Wed	8.1, Ch 3&4 Review I		Nov 12	Wed	10.2, Ch 9&10 Review I	
Sep 18	Thurs	4.1, 4.2		Nov 13	Thurs	10.3	
Sep 19	Fri	Catch Up/ Get Ahead Day		Nov 14	Fri	Catch Up/ Get Ahead Day	
Sep 22	Mon	4.3		Nov 17	Mon	10.4	
Sep 23	Tues	4.4		Nov 18	Tues	10.5	
Sep 24	Wed	4.5, Ch 3&4 Review II Sec 3.1-3.6,8.1,4.1-4.5 Hw Due		Nov 19	Wed	10.7, Ch 9&10 Review II Sec. 2.8,9.1-9.3,10.1-10.5,10.7 Hw Due	
Sep 25	Thurs	Ch 3&4 Review Day		Nov 20	Thurs	Ch 9&10 Review Day	
Sep 26	Fri	Catch Up/ Get Ahead Day		Nov 21	Fri	Catch Up/ Get Ahead Day	
Sep 29	Mon	1st Attempt Ch 3&4 Test Due Ch 3&4 Review I and II Due		Nov 24	Mon	1st Attempt Ch 9&10 Test Due Ch 9&10 Review I and II Due	
Sep 30	Tues	5.1		Nov 25	Tues	11.1, 11.2	
Oct 1	Wed	5.2,5.3		Nov 26	Wed	Thanksgiving Holiday!	
Oct 2	Thurs	5.4		Nov 27	Thurs	Thanksgiving Holiday!	
Oct 3	Fri	Catch Up/ Get Ahead Day		Nov 28	Fri	Thanksgiving Holiday!	
Oct 4	Sat	2nd Attempt Ch 3&4Test Due					
Oct 6	Mon	5.5,5.6, Ch 5&6 Review I		Dec 1	Mon	12.1	
Oct 7	Tues	6.1		Dec 2	Tues	12.2	
Oct 8	Wed	6.2,6.3		Dec 3	Wed	12.3	
Oct 9	Thurs	6.4		Dec 4	Thurs	12.4, Ch 11&12 Review I	
Oct 10	Fri	Catch Up/ Get Ahead Day		Dec 5	Fri	Catch Up/ Get Ahead Day	
				Dec 6	Sat	2nd Attempt Ch 9&10 Test Due	
Oct 13	Mon	6.5		Dec 8	Mon	12.5, 12.6	
Oct 14	Tues	6.6, 6.7, Ch 5&6 Review II Sec. 5.1-5.6, 6.1-6.7 Hw Due		Dec 9	Tues	12.7 Sec. 11.1-11.2, 12.1-12.7 Hw Due Ch 11&12 Review I Due	
Oct 15	Wed	Ch 5&6 Review Day		Dec 10	Wed	Final Review Homework	
Oct 16	Thurs	Fall Break!		Dec 11	Thurs	Final Review Homework	
Oct 17	Fri	Fall Break!		Dec 12	Fri	Catch Up/Study for Final Day	
				Dec. 18	Thurs	Final Exam: 9:30-11:30 in SNOW002 Final Exam Review Due	