

SYLLABUS---MATH 1100 MML SECTION 2
BUSINESS CALCULUS
CRN# 40118
FALL SEMESTER, 2015

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Office hours: MW 2:00pm – 2:30pm,
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Classroom: SNOW 151
Class time: MWF 11:00 am – 11:50 am
Date Range: Aug 24, 2015 – Dec 18, 2015
Computer Software based on Text:
CALCULUS AND ITS APPLICATIONS.
Bittinger/Ellenbogen 11th Edition

Course ID #: chellamuthu35315

No text book is required. This section will be taught as a lecture course but will include an extensive computer based component. This means all homework, review problems and tests will be done, checked and submitted to the instructor on the computer through a program called My Math Lab. <http://www.mymathlab.com> **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. You will receive more complete instructions on the first day of class.

What to Do First

- Register for MyMathLab by going to <http://www.mymathlab.com> , or purchase an access code from the bookstore. (A 15-day free trial is available through the MyMathLab website)
- Under the heading “Register”, click “Student”.
- Enter your course ID. (Found on this syllabus 12 lines down from the top)
- Follow the instructions to either create an account, or sign in if you have an existing account.

All of the homework assignments, reviews, and tests are on MyMathLab.

I Have Access to MyMathLab (MML), What Next?

- Log on to MyMathLab (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 the MML homepage and click on “Multimedia Library” on the left column of icons. Explore the different options available for any given chapter and section.
- Go back to the MML homepage. Click on the “Homework” icon on the left side of the screen, then “show all” icon, then “view all on one page”. This will take you to all of the homework assignments and exams. Click on HW 1.1 and you are on your way. !!

OBJECTIVES: All classes in mathematics at Dixie College support the general education goal of the college, and 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.

Upon successful completion of this course, the students will demonstrate through testing the ability to:

1. Discuss and analyze the concept of limits and the interrelationships of the graphic, numeric, and symbolic approaches to limits.
2. Discuss and analyze the interpretations of functions and their first and second derivatives.
3. Apply basic calculus techniques to data and functions that serve to mode real-life applications of business, economics, social science, and architecture careers.
4. Apply the definite integral as the limit of a sum to applications in the areas of business, economics, sociology, and ecology.
5. Understand Quantitative Analysis and how it applies to business. This is a technique that seeks to understand behavior by using complex mathematical modeling and by assigning a numerical value to variables to try to replicate reality mathematically.

(Prerequisite: Math 1050, 1065 or 1080.)

ASSIGNMENTS and REVIEWS: Homework assignments and reviews are to be completed on MML, but they **do not** have a minimum score in order to access the chapter tests. Review assignments count the same as the homework assignments. 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/review window. You are encouraged to repeat problems and get 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”, or other help features in the right had menu in the MML homework window. **There is a 10% penalty for any late problems from assignments/reviews.** Due dates are listed in MML. Your homework/review scores will be totaled and scaled so that they are worth 25% of your overall course grade.

EXAMINATIONS: Each student is expected to take the examinations as scheduled in the syllabus. Due dates are listed in MML. Chapter Exams must be taken in the testing center on MML and are worth 55% of your grade. A Final comprehensive exam will also be given on MML and is worth 20% of your grade. This exam will also be given on MML in a room to be determined later. **You will only have one attempt to take each exam.** However, the lowest chapter exam score can be replaced with the final exam percentage. Make-up exams are given only in extenuating circumstances, and only if prior arrangements are made. The instructor reserves the right to make evaluations on a case-by-case basis.

CALCULATORS: A non-graphing scientific calculator will be the only one allowed on tests. Graphing Calculators, Cell phones, iPads, etc. may not be used as calculators on tests.

TESTING CENTER: For current testing center hours, go to <http://dixie.edu/testing>

ATTENDANCE:

Attendance and participation are essential aspects of the course to facilitate learning and understanding of concepts, terminology, and the use of technology. Students who fail to attend the first scheduled class meeting without notifying the instructor in advance may be administratively dropped by the instructor. Students who fail to attend any classes the first two weeks **MUST** be administratively dropped by the instructor.

It is essential that students attend class, and after the second week, roll will be taken on randomly selected days in order to ensure student attendance. Tardiness is strongly discouraged. Attendance records may be used in determining borderline grades. Absences due to university-sponsored activities are handled as stated in Dixie State University Policy #5-23 (located at <http://www.dixie.edu/humanres/policy/sec5/523.html>).

Policy for Absences Related to College Functions: <http://www.dixie.edu/humanres/policy/sec5/523.html>

Respect for Others: Please plan to arrive on time and be prepared to work (i.e., have your pencil, eraser, book, paper, homework, and calculator). Additionally, please feel free to offer your opinions and questions to the class, but do not carry on side discussions. **Cell phones should be turned off during class and please refrain from text messaging.** In general, students may not engage in an activity which the instructor deems disruptive or counter-productive to the goals of the class. Instructors have the responsibility to remove offending students from the class. Repetition of offensive behavior may result in expulsion from the class.

Dishonesty: Dishonesty will not be tolerated in any form. Any student cheating on a test will receive a zero. Giving as well as receiving information is dishonest, so be aware of those around you while taking tests. <http://www.dixie.edu/humanres/policy/sec3/334.html>. Instructors are required, by college policy, to report dishonesty to the student conduct committee.

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.

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.

Title IX Statement: DSU seeks to provide an environment that is free of bias, discrimination, and harassment. If you have been the victim of sexual harassment/misconduct/assault we encourage you to report this. If you report this to a faculty member, she or he must notify our college's Title IX coordinator about the basic facts of the incident.

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 or MML account.

Miscellaneous Information: Click on this link - <http://dixie.edu/reg/?page=fall2015>- 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.

Grades will be based on: Chapter Exams 55%, Homework 25%, Final Exam 20% You can see your grade and all your scores on My Math Lab. (Grade book) Letter grades will be assigned as follows:

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

M-1100 FALL 2015 MWF

	Day	M-1100.1 Assignment F15	Test
Aug 24	Mon	1.1	
Aug 26	Wed	1.2	
Aug 28	Fri	1.3	
Aug 31	Mon	1.4	
Sept 2	Wed	1.4/1.5	
Sept 4	Fri	1.5	
Sept 7	Mon	No Class	
Sept 9	Wed	1.6/1.7	
Sept 11	Fri	1.7/1.8	
Sept 14	Mon	REVIEW	TEST Chs. 1 STARTS
Sept 16	Wed	2.1	
Sept 18	Fri	2.2	
Sept 21	Mon	2.4/2.5	TEST Chs. 1 ENDS !!
Sept 23	Wed	2.5 (Cont.)	
Sept 25	Fri	2.6	
Sept 28	Mon	2.7	
Sept 30	Wed	2.7/2.8	
Oct 2	Fri	2.8 (Cont.)	
Oct 5	Mon	REVIEW	TEST Ch 2 STARTS
Oct 7	Wed	3.1	

Oct 9	Fri	3.1 (Cont.), 3.2	
Oct 12	Mon	3.2 (Cont.)	TEST Ch 2 ENDS !!
Oct 14	Wed	3.3	
Oct 16	Fri	NO CLASS	
Oct 19	Mon	3.3 (Cont.), 3.4	
Oct 21	Wed	3.5, 3.6	
Oct 23	Fri	3.6 (Cont.)	
Oct 26	Mon	4.1	
Oct 28	Wed	4.2	
Oct 30	Fri	4.3	
Nov 2	Mon	4.4	
Nov 4	Wed	4.5	
Nov 6	Fri	4.6	
Nov 9	Mon	REVIEW	TEST Ch 3-4 STARTS
Nov 11	Wed	5.1	
Nov 13	Fri	5.2	
Nov 16	Mon	5.2 (Cont), 5.3	TEST Ch 3-4 ENDS !!
Nov 18	Wed	5.7	
Nov 20	Fri	6.1	
Nov 23	Mon	6.2	
Nov 25	Wed	NO CLASS - THANKSGIVING	
Nov 27	Fri	NO CLASS - THANKSGIVING	
Nov 30	Mon	6.3	
Dec 2	Wed	REVIEW	TEST Chs.5-6 STARTS
Dec 4	Fri	FINAL REVIEW	
Dec 7	Mon	FINAL REVIEW	
Dec 9	Wed	FINAL REVIEW	TEST Chs. 5-6 ENDS
Dec 11	Fri	FINAL REVIEW	
Dec 16	Wed	FINAL EXAM	11:00 am IN CLASS