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Office: SNOW 148 or classroom

Office hours: T,Th 6:30 to 6:45 p.m.

Th 8 to 8:30 p.m. or call or text my cell phone (above) for an appointment

Classroom: SNOW 150

Class time: Tu, Th 5:15 to 6:30 p.m.

Date Range: Aug 24, 2015 – Dec 15, 2015

Computer Software based on Text:

CALCULUS AND ITS APPLICATIONS.

Bittinger/Ellenbogen

11th Edition

Course ID #: reimer53866

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 model 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 hand menu in the MML homework window. **There is a 10% penalty for any late problems from assignments/reviews.** Due dates are listed in MML and also on the assignment schedule. 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 and also on the assignment schedule. 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.

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 is essential and roll will be taken, but will not be counted in your grade. Tardiness will be frowned upon and may invoke the ire of the instructor.

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.

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. All decimal grades will round up to the nearest integer.

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%

	Day	M-1100.1 Assignment F15	Test	DUE
Aug 25	Tues	1.1		Th Sept 3
Aug 27	Thurs	1.2, 1.3		Th Sept 3
Sept 1	Tues	1.4		Tu Sept 8
Sept 3	Thurs	1.5		Th Sept 10
Sept 8	Tues	1.6		Tu Sept 15
Sept 10	Thurs	1.7, 1.8		Tu Sept 22
Sept 15	Tues	REVIEW	TEST Chs. 1 STARTS	Tu Sept 22
Sept 17	Thurs	2.1, 2.2		Th Sept 24
Sept 22	Tues	2.4, 2.5	TEST Chs. 1 ENDS !!	Th Oct 1
Sept 24	Thurs	2.5 (Cont.)		Th Oct 1
Sept 29	Tues	2.6, 2.7		Tu Oct 6
Oct 1	Thurs	2.8		Tu Oct 13
Oct 6	Tues	REVIEW	TEST Ch 2 STARTS	Tu Oct 13
Oct 8	Thurs	No class lecture (HW Assigned)		Tu Oct 20
Oct 13	Tues	3.1, 3.2	TEST Ch 2 ENDS !!	Tu Oct 20
Oct 15	Thurs	NO CLASS		
Oct 20	Tues	3.3, 3.4		Tu Oct 27
Oct 22	Thurs	3.5, 3.6		Th Oct 29
Oct 27	Tues	4.1,		Tu Nov 3
Oct 29	Thurs	4.2, 4.3		Th Nov 5
Nov 3	Tues	4.4		Tu Nov 10
Nov 5	Thurs	4.5, 4.6		Th Nov 19
Nov 10	Tues	REVIEW	TEST Ch 3-4 STARTS	Th Nov 19
Nov 12	Thurs	5.1, 5.2		Tu Dec 1
Nov 17	Tues	5.2 (Cont), 5.3		Tu Dec 1
Nov 19	Thurs	5.7, 6.1	TEST Ch 3-4 ENDS !!	Tu Dec 3
Nov 24	Tues	6.2		Th Dec 10
Nov 26	Thurs	NO CLASS -THANKSGIVING		
Dec 1	Tues	6.3		Th Dec 10
Dec 3	Thurs	REVIEW	TEST Chs.5-6 STARTS	Th Dec 10
Dec 8	Tues	FINAL REVIEW		M Dec 14
Dec 10	Thurs	FINAL REVIEW	TEST Chs. 5-6 ENDS	M Dec 14
Dec 15	Tues	FINAL EXAM	10:30 am IN CLASS	Tu Dec 15