MATH 12 **Introductory Calculus for Business and Social Science** **Summer 2018**

Instructor	**Location**	**Email**
Renuka Kapur	MLC108, 7:30am	kapurrenuka@fhda.edu

READ THROUGH THE ENTIRE GREENSHEET SO THAT YOU ARE FAMILIAR WITH THE CLASS.

Pre–requisite: Math 11 or 41

Overview: Introduction to limits, differentiation and integration of single variable functions; differentiation of multivariate functions; applications: tangents, extrema, area, others; various business applications.

E Book: Calculus and its Applications 11th Edition
Author(s): Bittinger, Marvin | Ellenbogen, David | Surgent, Scott
Course ID: **kapur88511**

How students register: On **www.pearsonmylab.com**, students can register and sign in, as well as find support resources.

Related Materials: Calculator is recommended (TI–83/84).

Attendance: Since mathematics is cumulative in nature, attendance at all classes is expected. Students should be aware of appropriate drop dates (See special notes on Dropping a Class in the General Information page of the instructor's website). *It is the student's complete responsibility to drop this class as I will not drop anyone from the class* (see syllabus last page or webpage for procedure, if necessary). You are expected to attend all classes. Please inform me by email if you drop the class.

Homework: Homework assignments represent the student's opportunity to learn what was taught, by practicing both mechanical skills and problem–solving techniques. The student is expected to do –and is responsible for– all problems associated with the sections of the text covered each class meeting. There are no points given for homework, nor is homework collected. Remember, you should be prepared to spend 2–3 (maybe even more) hours per day (including weekends) for review, homework, and study. (see General Information on instructor's website)

Treat Chapter R as a review chapter; you should be very familiar with its content; you are responsible for knowing key information in this chapter, even though we will not be going over it.

For each section, the homework assignment is *every other odd problem* (E.O.O.) 1 , 5 , 9 , 13 **. . .** end This means that you will be doing about one-fourth of the total problems in that section; so if there are 100 problems, you will be doing about 25 problems. Assuming about 5 mins per problem, that is 125 minutes, a good two hours. Use another hour for review, study, etc., and you can become quite competent in this course.

Quizzes: Quizzes are closed book and with one page of notes (both sides) allowed. **No make-ups are given.** You are going to have to turn in your quiz paper, if you leave the room for any reason. You will not be allowed work any further on this quiz paper. Seating arrangements on day of the quiz may be changed. **Take-Home quizzes cannot be turned in late!**

Exams: Each exam will be announced about a few days in advance. Students are required to take exams when scheduled, including the final. There are no makeup's of any kind. If you need to leave the room during a exam, your paper is turned in and you are done.

***At the end of the quarter, if the final exam is the lowest exam, it will count as 1 exam. Therefore, the final exam and all other exams will count. If one of the 4 midterm exams is the lowest, then that midterm score will be replaced by the final score. Therefore, the final exam will count twice.

Final Exam: A two-hour comprehensive exam will be given. If you miss the exam without contacting me, you will receive an F for the course. Bring scantron (882-E) . Students may bring 5 pages (one sided) of notes to the final. Check Schedule of Classes for exam date. Seating arrangments on day of exam may be changed

General: All work on quizzes and exams must be neat, complete, and logically presented; where work is required, partial credit will be given provided the work justifies such credit: a correct answer by itself will not earn full credit (except on a multiple-choice question). Points will be assessed/deducted not only for the correctness of the mathematics, but also for the presentation of the math.

Some exams, including the final, in whole or in part, may be multiple choice. The day and time for the final is already set; consult the DAC schedule of classes.

Cheating, which includes, but is not limited to: looking at another's paper, copying, passing notes or other information, etc., will not be tolerated. The first instance will result in a zero on a mini– test or exam, and the student referred to the Dean for academic discipline. It is possible that as a result of cheating, the student could receive a grade of F for the course.

The use of cell/portable phone, beeper, or pager in class is considered impolite and disruptive, if not rude. Please turn them off before entering class. If your phone/beeper goes off during a mini-test/exam, your paper will be taken, and you will not be allowed to continue working on it. Your score will be based on the work done up to that point.

Grade: Exams (4@ 100) 400 pts
Quizzes 100 pts.
Final Exam 100 pts

A+	$97.5\% < score \leq 100\%$	A $92.5\% \leq score \leq 97.5\%$	A- $90\% \leq score < 92.5\%$
B+	$87.5\% < score < 90\%$	B $82.5\% \leq score \leq 87.5\%$	B- $80\% \leq score < 82.5\%$
C+	$72.5\% < score < 80\%$	C $65\% \leq score \leq 72.5\%$	
D+	$60\% < score < 65\%$	D $55\% < score \leq 60\%$	D- $50\% \leq score \leq 55\%$
F	$score < 50\%$		

Tentative Calendar

	Monday	Tuesday	Wednesday	Thursday	
July	1.1, 1.2 **2**	1.3, 1.4, 1.5 **Quiz 1** **3**	**Holiday** **4**	1.6, 1.7 **5**	
July	1.8 **Exam 1** **9**	2.1, 2.2 **10**	2.3, 2.4 **Quiz 2** **11**	2.5, 2.6 **12**	
July	**Exam 2** **16**	2.8, 3.1 **17**	3.2, 3.3 **Quiz 3** **18**	3.4,3.5 **19**	
July	**Exam 3** **23**	4.1, 4.2 **24**	4.3, 4.4 **Quiz 4** **25**	4.5, 4.6, **26**	
July Aug	**Exam 4** **30**	4.7 **31**	5.1 **1**	5.2 **2**	
Aug	**Quiz Ch 5** **6**	2.7, 5.4 **7**	Review **8**	**FINAL** **Chp 1 thru 5** **9**	

NOTE: Every Monday is an Exam and Every Wednesday is a Quiz (Take Home quiz, or In-Class quiz)

Student Learning Outcome(s):

*Use correct notation and mathematical precision in the evaluation and interpretation of derivatives and integrals.
*Evaluate, solve, interpret and communicate business and social science applications using appropriate differentiation and integration methodologies.