MAT 286
SPRING 2010 (MW)

CALCULUS FOR THE LIFE SCIENCES II

Course Description: This is the second course in a two-course, terminal calculus sequence. It is designed to continue the introduction of students to the beauty and power of integral calculus. Applications to the life sciences are emphasized.

Mathematics Requirements: MAT 285 must be successfully completed before taking MAT 286. This course is the second course in the Quantitative Skills sequence MAT 285-286. ***Note that students planning to major in a physical science, engineering, or mathematics must take the MAT 295-296-397 sequence. The MAT 285-286 sequence does not satisfy the requirements for such majors.***

Text: Calculus for the Life Sciences, by Greenwell, Ritchey, and Lial; Addison Wesley. The course will cover Chapters 7, 8, 11, and parts of Chapter 9 of the text.

Calculator: We will be using the TI83 or TI84 calculator. A calculator with symbolic calculus capability (such as the TI89 or TI92) is not allowed for exams and quizzes. Some class time will be devoted to instruction on the use of the calculator. It is possible to use other graphing calculators, but the instruction will be centered around the TI83.

Course Format: The course meets two times per week.

Final Examination: The final exam covers the entire course. Your MAT 286 final exam will take place in a two-hour block sometime in the period

8:00 AM to 2:30 PM on Monday, May 10, 2010.

The exact time and location will be announced in class around mid-term. Students must take the final examination during the appointed examination block and at the scheduled time. If you have a conflict with another final exam, you must contact your instructor at least two weeks in advance in order to have it resolved. **You must take the final examination at the announced time and place. It will not be given at any other time. In particular, be sure to be on campus Monday, May 10, from 8:00 AM to 2:30 PM. Do not make plans to leave campus before 2:30 PM, May 10, 2010.**

Grades: Your semester average will be based on your performance on the final exam, the three hour exams, homework, quizzes, and exam corrections. These components will be weighted as follows:

Final Exam	20%
3 Hour Tests	20% each
Quizzes, Homework, and Exam Corrections	20%

Your semester course grade will be determined from your semester average as follows:

93 – 100	A		77 – 79	C+
90 – 92	A-		73 – 76	C
87 – 89	B+		70 – 72	C-
83 – 86	B		60 – 69	D
80 – 82	B-		Below 60	F

Your instructor will establish and announce the homework and quiz policy for your section.

There will be no make-up exams. If you have an excused absence for one of the exams, the relevant portion of the final exam will be used to provide a score for the missed exam.

An essential part of success in a mathematics course is to learn from one's mistakes. Part of your grade will be to submit correct solutions to problems that you missed on each exam. An exam score of at least 90 exempts you from making corrections on that particular exam. Corrections are to be submitted to your instructor within one week after the exams are returned in class. Late corrections will not be accepted.

Students with Disabilities: Students who need special consideration because of any sort of disability should contact their instructor as early in the semester as possible to be sure that appropriate accommodations are made.

Course-related Problems or Questions: Please inform your instructor of any problems you have with this course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the course supervisor:

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