MAT 286
SPRING 2013 (TTh)

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 TI83/84 Plus 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 instructor will use the TI83/84.

Course Format: The course meets two or three times per week, depending on which section in which you are enrolled.

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 6, 2013.

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 6, 2013, from 8:00 AM to 2:30 PM. Do not make plans to leave campus before 2:30 PM, May 6, 2013.**

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: If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), http://disabilityservices.syr.edu, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first test.

Academic Integrity: The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the Policy and know that it is their responsibility to learn about instructor and general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as

the veracity of signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see http://academicintegrity.syr.edu .

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 (**note that this person is _not_ your instructor**):

> Professor J. L. Meyer
> jlmeye01@syr.edu
> 206F Carnegie
> 443-1479

Tentative Class Calendar

	Date		*Date*	
January	15	7.1, 7.2	17	7.2, 7.3
	22	7.3	24	7.3, 7.4
	29	7.4, 7.5	31	7.5
February	5	Review	7	**Exam 1**
	12	7.6, 8.2	14	8.2
	19	8.3	21	8.3
	26	8.4	28	8.4
March	5	Review	7	**Exam 2**
	12	*No Class*	14	*No Class*
	19	9.2	21	9.5
	26	9.5, 11.1	28	11.1
April	2	11.2	4	11.2
	9	11.3	11	11.6
	16	11.6	18	Review
	23	Review	25	**Exam 3**
	30	Review		
Monday, May 6, 2013	*Final Exam*			