

## MAT 285 CALCULUS FOR THE LIFE SCIENCES I - Fall 2015

---

**Instructor:** Turgay Bayraktar

**E-mail:** tbayrakt@syr.edu

**Phone:** (315) 443 1585

**Office:** Carnegie Hall 317A

**Office Hours:** MW 2.30-3.30pm or by appointment.

**Textbook:** *Calculus for the Life Sciences*, by Greenwell, Ritchey and Lial; Addison Wesley, 1st Edition. The course will cover Chapters 1 - 6 and 9 of the text.

**Calculator:** A graphing calculator is required. The TI-84 or TI-83 calculator is the recommended graphing calculator for the course. Students who already own and know how to use another equivalent calculator (e.g. TI-85 or TI-86) are free to use it. A calculator with symbolic calculus capability (such as the TI-89 or TI-92) is not allowed for exams and quizzes.

**Prerequisites:** MAT 194 or an equivalent pre-calculus course must be successfully completed before taking MAT 285. MAT 285 may not be taken for credit after successful completion of MAT 284 or MAT 295. Students planning to major in a physical science, engineering or mathematics should take MAT 295.

**Exams:** There will be three exams during the semester, each accounting for 20% of your total grade. Their schedule will be announced in class. There will be **No make-up tests**. However, for excused absences, final exam will be used in place of the missing test score.

**Test Correction:** An essential part of the testing process is to learn from your mistakes. Hence students not getting an A on a test are required to submit correct solutions to all of the problems missed.

**Final Exam:** The final exam is comprehensive and accounts for 20% of the total grade. The MAT 285 final exam will be scheduled for a two-hour period on Wednesday December 16th, 2015. The precise time and location of the final exam will be announced in class later.

STUDENTS MUST TAKE THE FINAL EXAM AT THE LISTED TIME. DO NOT PLAN TO LEAVE CAMPUS BEFORE 2:30 PM ON WEDNESDAY, DEC. 16th, 2015. THERE ARE NO PROVISIONS FOR TAKING THE FINAL EXAM AT ANY OTHER TIME!

**Quizzes:** Quizzes account for 10% of your total grade. A short quiz will be given very often in class: 20% of each quiz is for submitting it, and the remaining 80% is based on the correctness of your answer. Questions in the quiz will cover material from the previous week and will be very similar to homework problems and examples discussed in the class. Three lowest quiz grades will be dropped. There will be **NO make-up** quizzes.

**Homework:** There will be a homework assignment for each week and they account for 10% of your total grade. Homework problems will be assigned every Wednesday and collected the next Monday.

**Course Policies:** Attendance is strongly encouraged. You are responsible for lecture notes, any course material handed out in class and posted on course website. No cell phones, pagers nor laptops are allowed during the lectures. I strongly encourage active participation in the classroom.

**Grading Policy:** Final grade will be given according to the following scale:

A (93-100) A- (90-92) B+ (87-89) B (83-86) B- (80-82)

C+ (77-79) C (73-76) C- (70-72) D (60-69) F (0-59)

**Make-up policy:** There will be **NO** make-up for quizzes or exams, even in the case of an emergency. If you miss an exam, you will have to be cleared by me to be excused from the exam, a process that will include documentation and a valid excuse. In this case, final exam score will count for the missing exam score.

**Students with Disabilities:** If you believe that you need accommodations for a disability, please contact the Office of Disability Services (ODS), web <http://disabilityservices.syr.edu>, located in Room 303 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 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.

**Academic Honesty:** The strength of the university depends on academic and personal integrity. In this course, you must be honest and truthful. Cheating is wrong. Cheating hurts our community by undermining academic integrity, creating mistrust, and fostering unfair competition. The university will punish cheaters with failure on an assignment, failure in a course, permanent transcript notation, suspension, and/or expulsion. Offenses may be reported to law, or other professional or school when a cheater applies.

Violations can include cheating on exams, plagiarism, reuse of assignments without permission, improper use of the Internet and electronic devices unauthorized collaboration, alteration of graded assignments, forgery and falsification, lying, facilitating academic dishonesty, and unfair competition. Ignorance of these rules is not an excuse. For more information and the complete policy, see <http://academicintegrity.syr.edu>.

**Religious observances policy:** SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors before the end of the second week of classes. Students have access to an online notification form through MuSlice that they can

use to notify their instructors. Related link: [http://supolicies.syr.edu/studs/religious\\_observance.htm](http://supolicies.syr.edu/studs/religious_observance.htm)

**Resolving Problems:** Please inform your instructor of any problems that you have with the course. Problems not satisfactorily resolved with your instructor should be brought to the attention of the Course Supervisor without delay.

Course Supervisor: Professor Jack Graver  
Office: 300C Carnegie  
Phone: 443-1576  
Email: [jegraver@syr.edu](mailto:jegraver@syr.edu)

**Important Dates:** *Add Deadline:* Tuesday, September 8  
*Academic Drop Deadline:* Monday October 26  
*Financial Drop Deadline:* Monday, September 21  
*Withdrawal Deadline:* Friday November 20

**Tentative Class Calendar**  
MW Sections

	Date		Date	
Aug\Sept	31	1.1, 1.3	2	1.4, 2.1, 2.2
Sept	7	No Class	9	2.2, 2.3
Sept	14	2.3, 2.4	16	3.1, 3.2
Sept	21	3.3	23	3.4
Sept/Oct	28	3.5	30	Review
Oct	5	<b>Exam 1</b>	7	4.1, 4.2
Oct	12	4.3	14	4.4
Oct	19	4.5	21	4.6, 5.1
Oct	26	5.2	28	5.3
Oct	2	Review	4	<b>Exam 2</b>
Nov	9	6.1	11	6.2
Nov	16	6.3	18	6.4
Nov	23	No Class	25	No Class
Nov\Dec	30	9.1, 9.2	2	9.2, 9.3
Dec	7	9.3 & Review	9	<b>Exam 3</b>
Dec			16	<b>Final Exam</b>

**Tentative Class Calendar**  
TTh Sections

	Date		Date	
Sept	1	1.1, 1.3	3	1.4, 2.1
Sept	8	2.2, 2.3	10	2.3
Sept	15	2.4	17	3.1, 3.2
Sept	22	3.3	24	3.4
Sept/Oct	29	3.5	1	Review
Oct	6	<b>Exam 1</b>	8	4.1, 4.2
Oct	13	4.3	15	4.4
Oct	20	4.5	22	4.6, 5.1
Oct	27	5.2	29	5.3
Nov	3	Review	5	<b>Exam 2</b>
Nov	10	6.1	12	6.2
Nov	17	6.3	19	6.4
Nov	24	No Class	26	No Class
Dec	1	9.1, 9.2	3	9.2, 9.3
Dec	8	9.3 & Review	10	<b>Exam 3</b>
Dec		16(Wed) <b>Final Exam</b>		