

Class meets: MTWTh 6:00 - 8:20 in MH 476

Professor: Dr. Tyler McMillen

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Office hours: MTWTh 5:00 - 6:00 in MH 476, or by appointment.

Text: *Calculus: Early Transcendentals*, by J. Stewart (sixth edition). We will cover chapters 13 to 16 of this text. We will also review chapter 12. You may also find the following website useful: <http://mathworld.wolfram.com>

Homework: So far only one way has been found to learn mathematics, namely by working through many examples and problems. A list of homework problems is found below. Homework will not be collected. However, how well you do in the course will depend, to a large extent, on how much effort you put into the homework exercises. Expect to spend a *minimum of 2 hours per day outside of class* working on the exercises and studying the material.

Exams: There will be 5 midterm exams. Calculators will not be allowed in the exams. Each midterm will consist of a 1 hour exam at the beginning of class, scheduled as follows:

Exam 1	Exam 2	Exam 3	Exam 4	Exam 5
Mon, June 8	Mon, June 15	Tues, June 23	Wed, July 1	Thurs, July 9

Grading: The final grade will be based on the five midterm exams and calculated as:

$$10\% \text{ lowest score} + 35\% \text{ highest score} + 55\% \text{ average of 3 middle scores}$$

The grades will be distributed according to the following percentages. Note that there will be no curving and no extra credit.

A+ : 95 – 100	B+ : 80 – 84	C+ : 65 – 69	F : 0 – 49
A : 90 – 94	B : 75 – 79	C : 60 – 64	
A– : 85 – 89	B– : 70 – 74	D : 50 – 59	

Important dates: Monday, June 8 – Last day to drop without a grade of “W”
 Thursday, July 2 – Last day to drop with a grade of “W” for a
 “serious and compelling reason”

Course goals and additional comments: Calculus is one of the most powerful and beautiful discoveries of humanity. Its development required the concerted work of hundreds of scientists and mathematicians over the course of several centuries. Mastering this content will take some dedicated work.

Should you be forced to miss a class, it is your responsibility to obtain the lecture notes and other important information from me or one of your classmates. As a courtesy to me as well as to your classmates, please arrive on time and remain seated until class is dismissed. If you absolutely must leave early, please let me know and sit near the door, so that you can leave with minimal disruption to the class. **Please turn off all pagers, cell phones, PDAs, and laptops.**

It is very important in any mathematics course to attend class, to do all assigned reading and homework conscientiously and thoroughly, and to get any questions you might have cleared up as quickly as possible. You are strongly encouraged to get help in class, before or after class, during scheduled office hours, or any other time you can catch me. You are also welcome to contact me via e-mail or phone. Studying with your fellow students is also strongly encouraged.

Academic dishonesty: Students who violate university standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the university. Since dishonesty in any form harms the individual, other students and the university, policies on academic integrity are strictly enforced. I expect that you will familiarize yourself with the academic integrity guidelines found in the current student handbook.

Academic dishonesty is cheating – obtaining or attempting to obtain credit for work by the use of any dishonest, deceptive, fraudulent, or unauthorized means, or helping someone else commit such an act. Examples include, but are not limited to:

1. Unacceptable examination behavior – communicating with fellow students, copying material from another student's exam or allowing another student to copy from an exam, possessing or using unauthorized materials, or any behavior that defeats the intent of an exam.
2. Documentary falsification including forgery, altering of campus documents or records, tampering with grading procedures, fabricating lab assignments, or altering medical excuses.
3. The first violation of these standards will result in a score of zero on the assignment or exam. A second violation will result in a grade of F for the course, and will be reported to the Dean of Students. You are encouraged to see me prior to submitting an assignment or taking an exam if you have any questions regarding these issues.

Emergency information: In the event of an emergency such as earthquake or fire:

- Take all your personal belongings and leave the classroom.
- Use the stairways located at the east, west, or center of the building. Do not use the elevators. They may not be working once the alarm sounds.
- Go to the lawn area towards Nutwood Avenue, at least 150 feet from the nearest building. Stay with class members for further instruction.
- For additional information on exits, fire alarms and telephones, Building Evacuation Maps are located near each elevator.
- Anyone who may have difficulty evacuating the building, please see your instructor.

Tentative schedule:

	Monday	Tuesday	Wednesday	Thursday
June 1 - 4	Ch. 12 rev	13.1	13.2, 13.3	13.4, 14.1
June 8 - 11	Exam 1	14.2	14.3, 14.4	14.5, 14.6
June 15 - 18	Exam 2	14.7, 14.8	15.1, 15.2	15.3
June 22 - 25	15.4, 15.5	Exam 3	15.6, 15.7	15.8
June 29 - July 2	15.9, 16.1	16.2, 16.3	Exam 4	16.4
July 6 - July 9	16.5, 16.6	16.7	16.8	Exam 5

Homework assignments:

Section	Problems	Section	Problems
Ch. 12 review	1, 3, 7, 11, 17, 19, 21, 25, 35	15.4	11, 13, 19, 21, 25
13.1	9, 17, 35	15.5	3, 5, 7, 13
13.2	3, 7, 19, 25, 29	15.6	3, 5, 9, 11
13.3	1, 5, 19, 21, 23, 25, 27	15.7	9, 11, 13, 15
13.4	5, 11, 15, 19, 23, 25	15.8	7, 11, 17, 21, 23, 29, 33, 35
14.1	9, 15, 25, 41, 43, 55, 57	15.9	11, 13, 15, 19, 21
14.2	9, 13, 19, 31, 33, 35	16.1	3, 5, 23
14.3	13, 21, 23, 31, 47, 51, 55, 59, 63, 67, 69	16.2	3, 7, 11, 15, 21
14.4	1, 3, 5	16.3	5, 9, 13, 15, 19
14.5	3, 5, 9, 11, 19, 23, 25, 27, 33, 47, 49, 51	16.4	3, 9, 11, 17, 19
14.6	5, 9, 15, 25, 41, 43	16.5	3, 13, 17, 19, 21, 25, 27
14.7	5, 9, 15, 17, 27, 31, 33, 37, 39	16.6	17, 21, 23, 33, 37
14.8	3, 5, 7, 9, 11, 13, 25	16.7	5, 11, 17, 21, 25, 35
15.1	11, 13, 17	16.8	3, 5, 7, 9, 13
15.2	7, 11, 15, 19, 21, 23, 27	16.9	5, 7, 11, 15
15.3	11, 13, 19, 25, 37, 45, 47		

The professor reserves the right to change the content of the syllabus at any time.
