
Math 233 (004): CALCULUS AND ANALYTIC GEOMETRY III

Fall 2017

Department of Mathematical Sciences, UWM

Lecture Time

1:00 PM - 2:50 PM, Monday and Wednesday, EMS Building, Room E145

Instructor:

Professor Dexuan Xie

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Office Hours: 10:30 AM – 11:30 AM, Monday and Wednesday

Textbook

Essential Calculus, by James Stewart, 2nd Edition, Brooks/Cole, March 2012, ISBN-9781133112297.

Prerequisite

Grade of C or better in Math 232.

Course Overview

- Chapter 10. Vectors and the geometry of space.
- Chapter 11. Partial derivatives.
- Chapter 12. Multiple integrals.
- Chapter 13. Vector calculus. Sections 13.5 to 13.9 are optional.

Grading

- Test 1: 20 %.
- Test 2: 25 %.
- Six quizzes: 20% (3% for Quiz 1 to 4 and 4% for Quiz 5 to 6).
- Final Exam: 35 %.
- Homework evaluation: 5 credit points for students who do not miss or only miss one homework evaluation. On the other hand, 1 point is reduced from the course grade per two homework evaluation misses.

Grading scale: A (93-100), A- (90-92), B+ (86-89), B (80-85), C+ (76-79), C (70-75), D (60-69), F (below 59).

Important Dates

- _ September 5: First day of classes.
- _ Test 1: 1:00-2:50 PM, October 9, 2017 (for Chapter 10).
- _ Test 2: 1:00-2:50 PM, November 13, 2017 (for Chapter 11).
- _ Final Exam: 12:30-2:30 PM, December 22, 2017, (for Chapters 12 and 13; Comprehensive) on EMS E145.
- _ October 2: Last day to drop without "W" on academic record.
- _ October 27: Last day to drop or withdraw.
- _ November 22-26: Thanksgiving Recess
- _ December 14: Last day of classes.

Homework Assignments

10.1	1-10 all, 11-19odd, 21-34all	11.7	1-13 odd, 31, 33, 37, 39, 41, 43
10.2	1-25 all, 27, 28, 29, 35, 37	11.8	1-19 odd
10.3	1-32all, 35, 37, 39	12.1	1, 7-27 odd, 29-35 odd
10.4	1-44 all	12.2	1-31 odd, 37-47 odd
10.5	1-45 odd	12.3	1-4 all, 5-29 odd
10.6	N/A	12.4	N/A
10.7	1-15 odd, 17-22 all, 23-52odd, 59-67odd	12.5	1-19 odd, 25-39 odd
10.8	1-25 odd, 39-42all, 45, 47	12.6	1-29 odd
10.9	1-19 odd, 31, 36	12.7	1-27 odd, 37-39
11.1	1-36 odd, 41-51all	12.8	1-19 odd, 23
11.2	1-16all, 19-31odd	13.1	1-9 odd, 11-18 all, 21-26 all
11.3	1-61 odd	13.2	1-21 odd, 27, 31
11.4	1-6all, 11-17all, 21-33all	13.3	1-19 odd
11.5	1-29 odd, 33, 37, 41	13.4	1, 3, 7, 9
11.6	1-18 all, 20, 21, 31-36all		

Homework is a tool for learning and should be done regularly to practice the concepts discussed in class. The problems listed in the above table comprise the minimum amount of homework that should be completed. Homework will not be collected for grading but will be used for quizzes. That is, all the quiz problems will be selected from homework.

Additional Information

- _ Texting and photo-taking are not permitted during class time. Cell phones and smart watches should be turned off.
- _ Prior to each class, each student should read the sections of the textbook that will be covered in that class. The problems listed on the syllabus comprise the minimum amount of homework that should be attempted.
- _ Books, notes, and calculators/computers are NOT allowed in all the examinations and quizzes.

- No makeup for the examinations and quizzes except for exams missed for religious observance, military service, or illnesses (with a documented medical emergency).
- Room changes and cancellations are valid only if posted outside the classroom door on Math Department letterhead and sent via email.
- Tutoring is available in the ***Calculus Workshop*** in Physics 326 & 328. Drop in and find a quiet place to study, do homework with peers from other sections, find tutors, meet with faculty, and fully engage in studying and learning the Calculus! Hours are posted here: <http://uwm.edu/math/undergraduate/resources/tutoring/>
- Students with disabilities or who qualify for accommodations (VISA) should contact me early in the semester to discuss the assistance they may need.
- The minimum amount of time that an average student should expect to invest to successfully complete this course includes: 50 hours in class; 8 hours taking quizzes, tests and exams; 100 hours completing homework assignments; 35 hours studying for assessments. Total: 193 hours.

Statement of Academic Misconduct

The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others' academic endeavors. Further information can be found at

http://www.uwm.edu/Dept/Acad_Aff/policy/academicmisconduct.html.

Statement of Discriminatory Conduct

Discriminatory conduct will not be tolerated by the University. It poisons the work and learning environment of the University and threatens the careers, educational experience, and well-being of students, faculty, and staff. The policy on discriminatory conduct, including sexual harassment, can be found at:

https://www4.uwm.edu/secu/docs/other/S_47_Discriminatory_Conduct_Policy.pdf