Math 232 Section 002, Calculus and Analytic Geometry 2 Spring 2019
University of Wisconsin-Milwaukee Department of Mathematical Sciences

Instructor: Brendan Healy
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Office: E447 EMS
Office Hours: Tuesday and Thursday, 2:00-3:30 and by appointment
Course Meeting Times: Monday Wednesday Friday: 9:30 am - 10:45 am, EMS 295
Text: Essential Calculus (2^{nd} Edition), by James Stewart

Prerequisites: A grade of C or better in Math 231. Note: Students who do not meet prerequisites according to PAWS will be dropped at noon, Monday January 28th.

Important Dates:

- Tuesday, January 22 – First day of classes.
- Monday, January 28 – Math Department deadline to add a class.
- Monday, February 4 – Last day to change among credit/no credit/audit status in PAWS.
- Monday, February 18 – Last day to drop without a "W" (Withdrawn) on your record.
- March 18-22 – Spring Break.
- Sunday, April 7 – Last day to drop. No student may drop after April 7 for academic reasons.
- Thursday, May 9 – Last day of classes.
- Friday, May 10 – Study Day.
- Wednesday, May 15 – COMPREHENSIVE FINAL EXAM, 12:30-2:30 p.m.

Academic Honesty: Any student found violating the University standards on academic honesty policy will receive discipline in accordance with University guidelines, up to and including an F in the course and possible expulsion. More information on these policies can be found at http://uwm.edu/academicaffairs/facultystaff/policies/academic-misconduct/

Attendance: Attendance in this class is considered mandatory. If you miss class, it is *your responsibility* to identify and make up any material you may have missed. Missed quizzes and exams will not be available for retake except in cases of religious observance, military service, or documented medical emergency.

Grading: The final grade is based on a total of 500 points earned through taking quizzes (100 pts), two midterm exams (100 pts each), and the comprehensive final exam (200 pts). There will be quizzes every week where there is not a midterm exam, and the lowest 2 quiz scores will be dropped. Your final grade will be based on your total points earned. Grading scale: 100-93 A, 92-90 A-, 89-87 B+, 86-83 B, 82-80 B-, 79-77 C+, 76-73 C, 72-70 C-, 69-67 D+, 66-63 D, 62-60 D-, 59 or below F.

All quizzes, the two exams, and the comprehensive final exam are closed book, no notes, no calculator. No makeups will be given except for exams missed for religious observance or a documented medical emergency.

Incompletes: In order to qualify for a grade of "incomplete", *all* of the following conditions must be met:

1. You are already passing the course with the work that has been completed.
2. You have only a 'little' work to be finished
3. You can give substantiation of unusual, non-academic circumstances beyond your control that have prevented you from completing the course on time.

Homework: Homework is a tool for learning and should be done regularly to help practice the concepts discussed in class. Prior to each class, each student should read the sections of the textbook that will be covered that day. The problems listed on the syllabus comprise the minimum amount of homework that should be attempted. Homework will be collected regularly and reviewed for completeness, work shown, and proper use of mathematical language and notation (but NOT correctness). No late homework will be accepted, all work must be turned in the following class day. The total of your homework grades counts as one quiz grade, but may not be one of the dropped grades.

Homework Problems

5.8	1-37odd, 41-43all	8.1	1, 2, 3-31odd, 33-39odd, 41, 43
6.1	1-29odd, 33, 35, 41-45odd	8.2	1, 2, 3-27odd, 35-45o, 57
6.2	1-35odd, 39-59odd	8.3	1, 2, 3, 4, 5-29odd, 31, 32
6.3	1-33odd, 35-43odd	8.4	1, 2, 3-39o, 41, 42, 43
6.5	1, 2, 7-16 any 3	8.5	1, 2, 3-21o, 23, 25, 29a
6.6	1, 2, 5-31odd, 33, 41-47o, 48, 49, 53, 55	8.6	1, 2, 3-19odd, 25, 27, 35, 37
7.1	1-19odd, 21	8.7	1-17odd, 27-35odd, 43, 45
7.2	1-21odd, 27, 28, 47	9.1	1-21odd, 22, 25, 27, 31
7.3	1-25o, 29-32 all, 33-41odd	9.2	1-15odd, 23-29odd, 33-43odd, 47
7.4	1-17odd	9.3	1-6 all, 7-39odd, 46, 47-53odd
7.6	1, 2, 3, 9-17odd, 25-33odd	9.4	1-11odd, 15-25odd, 28, 29-35odd
7.7	1-15 all, 33, 35, 39		

Outline: Following is a coarse course schedule. Please note it is subject to change depending on the actual pace of the class.

Tentative Course Outline (Subject to change)

Week 1	Jan 22-25	Sections 7.1, 7.2
Week 2	Jan 28-Feb 1	Section 7.3, 6.1
Week 3	Feb 4-8	Section 6.2
Week 4	Feb 11-15	Sections 6.3, 6.5
Week 5	Feb 18-22	Sections 5.8, 6.6
Week 6	Feb 25-Mar 1	Sections 7.4. 7.6
Week 7	Mar 4-8	Review; Exam One
Week 8	Mar 11-15	Sections 7.7, 8.1
	Mar 18-22	Spring Break
Week 9	Mar 25-29	Sections 8.2, 8.3
Week 10	April 1-5	Sections 8.4, 8.5
Week 11	April 8-12	Sections 8.6, 8.7
Week 12	April 15-19	Review; Exam Two
Week 13	April 22-26	Sections 9.1, 9.2
Week 14	April 29-May 3	Section 9.3
Week 15	May 6-9	Section 9.4, Review
Finals Week	May 11-18	Comprehensive Final Exam

Other Important Points:

- Students with disabilities or who have an Eligibility Letter/Student Accommodation Plan should contact me early in the semester to discuss the assistance they may need.
- Cell phone use is prohibited during class.

- 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.
- The Calculus Workshop is located in Physics 326 & 328. Stop by and discover a quiet place to study, do homework with peers from other sections, find tutors, meet with faculty, and fully engage in studying and learning calculus. Drop-in tutoring is also available. Hours are posted here:
  http://uwm.edu/math/undergraduate/resources/tutoring/
- Room changes and cancellations are valid only if posted outside the classroom door on Math Department letterhead and sent via email.
- Students attempting to repeat a Mathematical Sciences course for the second time (third taking) will need permission of the student's academic deans' office.
- Other important university policies can be found here:
  http://uwm.edu/secu/wp-content/uploads/sites/122/2016/12/Syllabus-Links.pdf