

Instructor: Brendan Healy

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Office: E447 EMS

Office Hours: Tuesday: 10:30 a.m. - 12:00 pm, Thursday 2:00 p.m. - 3:30 p.m., and by appointment

Course Meeting Times: Monday Wednesday Friday: 11 am - 12:15 pm, PHY 127

Text: Essential Calculus (2nd Edition), by James Stewart

Prerequisites:

Math Placement Level 40, or any of the following:

- A Level 40 on Math Placement Test;
- A grade of C or better in Math 115;
- A grade of C or better in both Math 116 and Math 117;
- A grade of C or better in both Math 211 and Math 117;
- A grade of C or better in Math 116 and Level 36 on Math Placement Test;
- A grade of C or better in Math 211 and Level 36 on Math Placement Test;
- A grade of C or better in Math 117 and Level 35 on Math Placement Test; or
- A score of 61 or higher on the CLEP Precalculus Exam.

Note: Students who do not meet prerequisites according to PAWS will be dropped at midnight, Monday September 10th.

Important Dates:

- Tuesday, Sept 4 First day of classes.
- Monday, Sept 10 Math Departments last day to add a class.
- Monday, Sept 17 Last day to change among credit/no credit/audit status in PAWS.
- Monday, Oct 1 Last day to drop without a W (Withdrawn) on your record.
- Sunday, Nov 11 Last day to drop. No student may drop after Nov 11 for academic reasons.
- Thursday, Dec 13 Last day of classes.
- Friday, Dec 14 Study Day.
- Monday, Dec 17 COMPREHENSIVE FINAL EXAM - 7:30-9:30am. Location TBD.

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:

Quizzes & Homework 18%

Gateway Exams 16%

Two in-class Midterms 18% each

Final Exam 30%

Quizzes and Midterms: Every Friday when there is not a Gateway or Midterm Exam, at the end of lecture there will be an in-class quiz lasting 20-30 minutes. These quizzes will be graded for accuracy and mathematical notation and returned the following week. The lowest two quiz grades will be dropped. The quizzes are closed book, no notes, no calculator.

Two times during the semester, we will have an in-class midterm. The approximate timing of these exams can be found at the end of the syllabus in the schedule. The second midterm may draw on knowledge from the first. These midterms are also closed book, no notes, no calculator.

Gateway Exams: There are four Gateway Exams. Each exam is given once in class. The exams are graded with no partial credit, and must be passed with a score of 80% or better. Only the highest grade on each Gateway Exam counts toward the final grade. Gateway Exams may be retaken, once per day (Monday-Friday), in the Gateway Testing Center in PHY 330. All retakes should be completed within 1 week of the in-class test. Practice tests can be found here: <http://uwm.edu/math/undergraduate/resources/math-testing/>

Note 1: If all four Gateway Exams are passed with a score of 80% or better, the final grade will be based on points earned; otherwise the maximum final grade will be a C-.

Note 2: If a student scores at least 90% on all four Gateway Exams, AND earns at least a C on the final exam, then the student is guaranteed a final grade of C or better for the course.

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.

Minimum Homework Problems (eoo=every other odd)

1.1	1-45odd, 52, 53	3.4	1-33eoo, 39, 41
1.2	1-53eoo, 55, 59	3.5	1-27odd, 36
1.3	1-10 all, 11-17odd	3.6	1-7 all
1.4	1, 2, 11-27odd, 33, 44, 49-55odd	3.7	1-13odd, 17-31o, 35-45odd
1.5	3-8, 13-23odd, 27-35odd, 39, 41	4.1	1-15odd
1.6	1-7odd, 13-33odd, 41-47odd	4.2	1, 7, 9, 11, 15-25odd, 29-45odd
2.1	1-35odd, 37-47odd	4.3	1-29o, 31-33all, 37, 39, 43-53odd, 59-63all
2.2	1-15odd, 19-27odd, 31-35odd, 39-41 all	4.4	1-27odd
2.3	1-43eoo (except 29), 45-57odd, 61	4.5	1-47odd
2.4	1-45odd, 49, 51, 53, 55	5.1	1-25odd, 33-41odd
2.5	1-41eoo, 43-47odd, 51-63odd, 67	5.2	1-47odd, 51-61odd
2.6	1-27odd, 35, 37, 39, 45	5.3	1-37odd, 41-51odd, 61-69odd
2.7	1-9odd, 13-31odd, 37, 39	5.4	1-9odd, 23-37odd, 41-45odd
2.8	1-4, 7-23odd	5.5	3, 9, 13, 15, 19
3.1	1-21odd, 23-43eoo, 51, 53	5.6	1-6all, 17-31odd, 33, 35, 37, 39-47odd
3.2	1-11o, 15-25o	5.7	1-10all, 27-41odd, 44, 45, 47, 53-61o
3.3	1-35eoo, 37, 41, 43		

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

Course Outline (Subject to change)

Week 1	Sept 4-7	Sections 1.1, 1.2, 1.3; Pre-calc Review Quiz
Week 2	Sept 10-14	Sections 1.4, 1.5, 1.6; Quiz 1
Week 3	Sept 17-21	Sections 2.1, 2.2, 2.3; Gateway 1 (Limits)
Week 4	Sept 24-28	Sections 2.4, 2.5, 2.6; Quiz 2
Week 5	Oct 1-5	Sections 2.7, 2.8; Gateway 2 (Derivatives)
Week 6	Oct 8-12	Sections 3.1, 3.2, 3.3, Quiz 3
Week 7	Oct 15-19	Review; Midterm Exam One
Week 8	Oct 22-26	Sections 3.3, 3.4, 3.6, Quiz 4
Week 9	Oct 29-Nov 2	Sections 3.5, 3.7; Gateway 3 (Graphing)
Week 10	Nov 5-9	Sections 4.1, 4.2, 4.3; Quiz 5
Week 11	Nov 12-16	Sections 4.4, 4.5; Quiz 6
Week 12	Nov 19-20	Section 5.2; Gateway 4 (Integration); Thanksgiving Recess
Week 13	Nov 26-30	Sections 5.3; Review, Quiz 7
Week 14	Dec 3-7	Midterm Exam Two ; Sections 5.1, 5.4, 5.5
Week 15	Dec 10-13	Sections 5.6, 5.7; Review, Quiz 8
FINAL EXAM	Dec 17	MONDAY DECEMBER 17 th , 7:30-9:30am, Room TBD

Other Important Points:

- Students with disabilities or who qualify for accommodations, meaning those with an Eligibility Letter/Student Accommodation Plan, should contact the instructor early in the semester to discuss the assistance they may need.
- Texting is not permitted during class time. Cell phones and smart watches should be turned off.
- 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. You can drop in to 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 material.
- Drop-in tutoring is available in the Calculus Workshop in Physics 326. Hours are posted here: <http://uwm.edu/math/undergraduate/resources/tutoring/>
- Other important university policies can be found here: <http://uwm.edu/secu/wp-content/uploads/sites/122/2016/12/Syllabus-Links.pdf>