

CALCULUS & ANALYTIC GEOMETRY II SYLLABUS – MATH 232 – SPRING 2016

MATH 232 – 52225 – SECTION 006– MW 4:00-5:50PM – ROOM PHY 120

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

Instructor: Xianghong Chen

Email: chen242@uwm.edu

Office: EMS E490; (414) 229-4933

Office Hours: F 11:00 AM-12:00 PM (PHY 326); F 12:30-2:00 PM (office)

PRE-REQUISITES:

A grade of C or better in Math 231

IMPORTANT DATES:

Monday, Jan 25	First day of class
Friday, Feb 5	Last day to add or change among credit/no credit/audit status in PAWS
Friday, Feb 19	Last day to drop without a “W” (Withdrawn) on your record
March 13-20	Spring Recess
Friday, Mar 25	Last day to drop (no student may drop after March 25 th for academic reasons)
Tuesday, May 10	Last day of class
Thursday, May 19	Comprehensive final exam – 3:00-5:00 PM – Location TBA

GRADING:

Quizzes	30%
Two Midterm Exams	20% each
<u>Final Exam</u>	<u>30%</u>
Total	100%

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.

There will be weekly quizzes and the lowest two quiz scores will be dropped. 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.

Homework is a tool for learning and should be done regularly to help practice the concepts discussed in class. Prior to each class, you 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. Homework will be collected regularly and graded for completeness (NOT correctness), work shown, and proper use of mathematical language and notation. The total of your four homework grades counts as one quiz grade, and can be one of the dropped grades.

Course Outline (Subject to change)

Week 1	Jan 25-29	Sections 5.8, 6.1
Week 2	Feb 1-5	Section 6.2; Quiz 1
Week 3	Feb 8-12	Sections 6.3, 6.5; Quiz 2
Week 4	Feb 15-19	Sections 6.6, 7.1; Quiz 3
Week 5	Feb 22-26	Sections 7.2, 7.3; Quiz 4
Week 6	Feb 29-Mar 4	Sections 7.4, 7.6; Quiz 5
Week 7	Mar 7-11	Review; Exam One
Spring Recess		
Week 9	Mar 21-25	Sections 7.7, 8.1
Week 10	Mar 28-Apr 1	Sections 8.2, 8.3; Quiz 6
Week 11	Apr 4-8	Sections 8.4, 8.5; Quiz 7
Week 12	Apr 11-15	Sections 8.6, 8.7; Quiz 8
Week 13	Apr 18-22	Review; Exam Two
Week 14	Apr 25-29	Sections 9.1, 9.2
Week 15	May 2-6	Sections 9.3, 9.4; Quiz 9
Week 16	May 9	Review
Finals Week	May 12,13;16-20	The Final Exam is May 19 th , 3:00-5:00pm, ROOM TBA

Suggested (Minimum) Homework Problems

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

INCOMPLETES: In order to be given an incomplete, all of the following conditions should be met:

- a) You are already passing the course with the work that has been completed;
- b) You have only a "little" work to be finished; and,
- c) You can give substantiation of illness or other unusual non-academic circumstances beyond your control that have prevented you from completing the course on time.

REPEAT POLICY: Students repeating a Mathematical Sciences course for the second time (third taking) must do the following:

1. Obtain permission from student's academic deans' office for the repeat.
2. Meet with the Undergraduate Advisors for approval, Profs. Jay Beder or Suzanne Boyd.
3. Take completed and signed drop/add form (including academic dean approval and Math Department approval) to Mellencamp Hall 274.

Other pertinent information:

1. Room changes and cancellations are valid only if posted on Math Department letterhead and sent via email.
2. Students with disabilities or who qualify for accommodations (VISA) should contact me early in the semester to discuss the assistance they may need.
3. Texting is not permitted during class time. Cell phones should be turned off.
4. 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.
5. Drop-in tutoring is available in the East Wing of the library. Hours are posted here: <http://uwm.edu/math/undergraduate/resources/tutoring/>
6. The Brand New **Calculus Workshop** is debuting in Physics 326. 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!
7. 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://uwm.edu/academicaffairs/facultystaff/policies/academic-misconduct/>
8. 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