

## MATH 241: Calculus and Analytic Geometry II

### Fall 2015 Syllabus

**Instructor:** Jonathan Totushek, Office: Swenson 3024,

**Office Phone:** (715) 394-8066

**E-Mail:** [jtotushe@uwsuper.edu](mailto:jtotushe@uwsuper.edu)

**Lectures:** Monday, Tuesday, Wednesday, Friday 12:00 - 12:50 (pm) in Swenson 1056.

**Office Hours:** Monday, Wednesday, Friday 9:00 - 10:50 (am) in Swenson 3024

**Text:** *Calculus* (seventh edition) by James Stewart. Brooks/Cole Cengage Learning

**Course Description:** Continuation of MATH 240. Topics include: conic sections; transcendental functions; techniques of integration; indeterminate forms; improper integrals; and infinite series.

**Course Objectives:** To give students an understanding of and an appreciation for the theory and applications of differential and integral calculus of one variable. Both computational and conceptual skills will be developed. Students will be exposed to both theoretical and applied points of view.

**Attendance:** Attendance is expected everyday.

**Calculator Policy:** Calculators are *not* allowed on quizzes or exams.

**Notes:** During lecture you will be expected to take notes. I will not be using slide presentations or posting my notes online. If you miss a day of class be sure to get notes from a fellow classmate.

**Homework:** At the end of each section there will be homework exercises assigned from the book. You must show all your work and justify your answers. You are encouraged to work in groups. However, everyone must turn in their own solutions. Two homeworks will be dropped and not contribute to your final grade.

**Quizzes:** There will be at least one quiz each week. Each quiz will only have problems from the assigned homework sets. They will be closed book and closed notes. Two quizzes will be dropped and will not affect your final grade. *There will be no make-up quizzes allowed.*

**Exams:** There will be two exams and one final exam. They will be closed book and closed notes. Make up exams will only be given in exceptional circumstances and will require prior approval of the instructor. In emergency situations (medical, etc.), a note from a physician will be required. If absences at exams are not adequately documented, the student will receive 0 points. *There will be NO make-up final exam.*

#### Exam Dates:

- **Exam 1:** Wednesday October 14<sup>th</sup>, in class.
- **Exam 2:** Friday November 13<sup>th</sup>, in class.
- **Final:** Friday December 18<sup>th</sup>.

**Holidays:** There will be two days during the semester where there is no class. The first is Labor day on September 7th. The second is during Thanksgiving break on November 27.

**Grading:** The overall course grade will be determined from homework assignments, quizzes, two in class exams and a comprehensive final exam. Grades will be determined in the following way:

- |                               |                      |
|-------------------------------|----------------------|
| • <b>Homework</b> 10%.        | <b>A:</b> 90% - 100% |
| • <b>Quizzes:</b> 25%.        | <b>B:</b> 80% - 89%  |
| • <b>Exams 1,2:</b> 20% each. | <b>C:</b> 70% - 79%  |
| • <b>Final Exam:</b> 25%.     | <b>D:</b> 60% - 69%  |
|                               | <b>F:</b> 0% - 59%   |

Plus and minus grades will be awarded to students within two percentage points of a grade.

**Learn @UW-Superior:** I will *not* be using Learn @UW-Superior. Your grade can be calculated using the breakdown given above.

**Extra Help:** If you are in need of some extra help there are tutors in the Math Lab. For the schedule and details see <http://www.uwsuper.edu/support/services/math-lab.cfm>. They are primarily located

in Swenson 1024.

**Disabilities Accommodation:** Students with documented medical disabilities, as covered under the 1990 ADA, will be reasonably accommodated once the student has provided the instructor a signed copy of the FAF (Faculty Accommodation Form) provided by Disabilities Support Services (DSS). Since accommodations are not retroactive, students must identify themselves and their reasonable accommodation needs (via FAF) to the instructor at the beginning of each semester accommodations will be needed, or within a reasonable period of time before the accommodations will be required. The DSS office is located in 1024 Swenson Hall. Questions related to DSS accommodation-related needs may be made by calling 394-8515 or e-mailing [disability@uwsuper.edu](mailto:disability@uwsuper.edu)

**University Policies:** The University of Wisconsin-Superior is dedicated to a safe, supportive and nondiscriminatory learning environment. It is the responsibility of all undergraduate and graduate students to familiarize themselves with University policies regarding special accommodations, academic misconduct, religious beliefs accommodation, discrimination and absence for University sponsored events. For details of the Student Disciplinary Procedures:

- Academic Misconduct Disciplinary Process (Chapter 14) can be found at [http://docs.legis.wisconsin.gov/code/admin\\_code/uws/14.pdf](http://docs.legis.wisconsin.gov/code/admin_code/uws/14.pdf)
- Student Nonacademic Disciplinary Procedures (UWS Chapter 17) can be found at [http://docs.legis.wisconsin.gov/code/admin\\_code/uws/17.pdf](http://docs.legis.wisconsin.gov/code/admin_code/uws/17.pdf)

**Tentative Schedule for the Semester:** The instructor reserves the right to make any reasonable changes to the schedule.

<b>Date</b>	<b>Topics</b>	<b>Notes</b>
September 2	Section 6.1	
September 4	Section 6.2	
September 7	Labor Day (No class)	
September 8	Section 6.3	
September 9	Section 6.4	
September 11	Section 6.4	
September 14	Section 6.5	
September 15	Section 6.6	
September 16	Section 6.7	Last day to drop without a W
September 18	Section 6.8	
September 21	Section 6.8	
September 22	Section 6.8	
September 23	Section 7.1	
September 25	Section 7.2	
September 28	Section 7.3	
September 29	Section 7.3	
September 30	Section 7.4	
October 2	Section 7.4	
October 5	Section 7.5	
October 6	Section 7.7	
October 7	Section 7.7	
October 9	Section 7.8	
October 12	Section 7.8	
October 13	Review Chapters 6 and 7	
October 14	<b>Exam 1</b>	Covers through Chapter 7
October 16	Section 8.1	
October 19	Section 8.1	
October 20	Section 8.2	
October 21	Section 8.3	
October 23	Section 8.3	
October 26	Section 8.4	
October 27	Section 8.5	
October 28	Section 10.1	
October 30	Section 10.2	

<b>Date</b>	<b>Topics</b>	<b>Homework</b>
November 2	Section 10.2	Daylight Savings (Nov. 1st)
November 3	Section 10.3	
November 4	Section 10.3	
November 6	Section 10.4	
November 9	Section 10.5	Last day to drop
November 10	Section 10.6	
November 11	Review Chapters 8 and 10	
November 13	<b>Exam 2</b>	Covers through Chapter 10
November 16	Section 11.1	
November 17	Section 11.1	
November 18	Section 11.2	
November 20	Section 11.2	
November 23	Section 11.3	
November 24	Section 11.4	
November 25	Section 11.4	
November 27	Fall Break (No class)	
November 30	Section 11.5	
December 1	Section 11.6	
December 2	Section 11.6 & 11.7	
December 4	Section 11.8	
December 7	Section 11.9 & 11.7	
December 8	Section 11.10	
December 9	Section 11.10	
December 11	Section 11.11 (If time)	
December 14	Review for final	
December 15	Review for final	Last day of class
December 18	<b>FINAL EXAM</b>	12:00 - 2:00 pm