

MAT 242: Calculus and Analytic Geometry III

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Office hours: MWF 3-4pm; Tuesday 12-1 and 2-3pm.

COURSE MEETS Monday, Tuesday, Wednesday, Friday 2:00pm-2:50pm in Swenson 3009

CATALOGUE DESCRIPTION OF THE COURSE

This is an undergraduate course.

This course meets a requirement for University Studies.

A liberal arts mathematics course presenting mathematics as a tool used by a wide range of professionals in modern society. Real-life examples are used to promote understanding of mathematics and its relationship to other areas of study. Examples may include graph theory (Traveling Salesman Problem and Euler Circuits), voting theory (fairness criteria and Arrow's impossibility theorem), elementary probability and statistics, logic, geometry, mathematics of growth, mathematics of finance, and mathematical modeling.

MODE OF DELIVERY

This is a face-to-face course.

LEARNING OUTCOMES

This courses assesses for an undergraduate learning outcome.

List each outcome with the related assessment of student learning (add rows as needed).

Outcome	Assessment (i.e. exam, paper, presentation, project)
Creative and Critical Thinking: Students will analyze information to answer specific questions.	Exams and homework problems

COURSE SCHEDULE AND OUTLINE

See Attached.

COURSE MATERIALS

Textbook: Excursions in Modern Mathematics by Peter Tannenbaum, 9th edition

ISBN-13: 978-0-13-446837-2

ASSIGNMENTS, ASSESSMENTS AND GRADING

The grade for this course is based on 3 in class exams (midterms), worth 15% each, a final exam worth 25%, weekly written homework assignments worth a total of 20%, and weekly in class quizzes worth 10%.

All grades will be kept on Learn@UWSuper. You should be able to access and view your grades there, and they will be uploaded in a timely manner.

Homework will be collected on the Friday of the week after it is assigned. Late homework will not be accepted, except in very extreme cases.

There are no calculators allowed on quizzes or exams in this class. I encourage you to not rely on calculators for the homework, remember rounding a number when an exact answer is required is incorrect.

EXPECTATIONS OF STUDENTS IN REGARDS TO ATTENDANCE

Attendance is not mandatory. However, any class content you miss while not in attendance is your sole responsibility. Not being in class is not an excuse for late homework nor missed quizzes.

Further, I will not post notes from class online. If you miss a day of class and want the notes, you should contact a fellow classmate.

MATH HELP

Your textbook, classmates, and instructor should all be considered primary resources for this class. Office hours are available for your attendance without an appointment. You can also schedule appointments with me if you cannot attend any office hours or need some one-on-one help.

Additionally the Math Help Center in Swenson 1024/1025 can offer tutoring services.

GRADE RANGES

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D	60-69
F	0-59

UNIVERSITY INFORMATION

DIVERSITY AND INCLUSION AT UNIVERSITY OF WISCONSIN - SUPERIOR

Diversity and inclusion is integral to the educational mission of the University of Wisconsin-Superior. As a community we commit to recognize, include and value inherent worth and dignity of each person; foster tolerance, sensitivity, understanding, mutual respect, and justice among its members; and encourages each individual to strive to reach their own potential. The institution recognizes these experiences are crucial for developing the requisite skills to thrive as a member of a pluralistic society and as a responsible global citizen.

In pursuit of its goal of inclusive excellence, the University actively seeks to attract students, faculty, and staff from diverse backgrounds and life experiences, including but are not limited to: race, ethnicity, sex, gender identity, gender expression, sexual orientation, age, socio-economic background, cognitive ability, physical ability, religion and spirituality, value system, national origin, immigration or refugee status, veteran status, and political beliefs.

The University believes that diversity among its members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. The University of Wisconsin-Superior views, evaluates, and treats all person in any University related activity or circumstance in which they may be involved, solely as individuals.

For more information about Equity, Diversity and Inclusion and/or to report bias, discrimination or harassment, please email edi@uwsuper.edu or call 715-394-8015.

POLICIES AND PRACTICES TO HELP YOUR LEARNING AND GROWTH

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.

Please review the Student Information Sheet and Syllabus Attachment which can be accessed at Learn@UWSuper under the content tab and Important Information for Distance Learning. This includes policies related to:

- **Student characteristics**, including policies and services related to those who are active military/veterans, those who are pregnant or expecting new family members, and students seeking services for differing abilities and accommodations student services, and others.
- **Academic integrity**, including information on plagiarism and steps that an instructor can take.
- **Campus policies**, including how to sign up for Safe Alerts, information on course evaluations, process for submitting a formal grievance regarding academics and/or discrimination, and others.

Tentative Schedule

WEEK	SECTIONS	NOTES
1 1/22	Chapter 1	
2 1/29	Chapter 1	2/2 Last day to drop classes without W
3 2/5	Chapter 1	
4 2/12	Chapter 2	
5 2/19	Chapter 2	EXAM 1 2/23
6 2/26	Chapter 5	
7 3/5	Chapter 5	
8 3/12	Chapter 6	SPRING BREAK 3/19-3/25
9 3/26	Chapter 6	
10 4/2	Chapter 6	EXAM 2 4/6
11 4/9	Chapter 14	
12 4/16	Chapter 14,15	
13 4/23	Chapter 15	Exam 3 4/27
14 4/30	Chapter 10	
15 5/7	Chapter 10	

Note: In order to preserve flexibility, this schedule is subject to change at the instructor's discretion.