

MATH 213-02 Calculus II

Syllabus for Fall 2020

Mon, Tues, Thurs, & Fri, 11:00am – 11:50am
Online -- Synchronous

Instructor: Dr. Eric Errthum

Winona Email Username: eerrthum {at} winona {dot} edu

Office Hours: Available through Zoom upon request. Generally, I'm available Noon – 3pm most days.

Suggested Texts:

Calculus: Early Transcendentals, James Stewart.

This text is optional but highly recommended.
You can get by with 6th, 7th, or 8th edition.

Calculus Volume 2 by OpenStax.com:

<https://openstax.org/details/calculus-volume-2>.

This text is free and covers about as much as the Stewart book (but often not as well).

Technology: Calculators will be necessary for some homework problems but are NOT allowed on quizzes or exams.

Prerequisite: Calculus I (MATH212) or a qualifying score on the mathematics placement exam

About This Course: This course continues to build on the ideas introduced in Calculus I. Specifically this course covers the techniques and applications of integration, calculus with polar coordinates and parametric equations, and functions in power series form.

Expectations: Students who complete this course with a passing grade are expected to be able to demonstrate the following skills: (i) Mastery of prerequisite material, (ii) Evaluate integrals using a variety of techniques, (iii) Set-up/apply integration in the appropriate manner, (iv) Compute within various coordinate systems and geometric set-ups, (v) Determine the behavior of sequences and series, (vi) Construct and use functions as power series.

Schedule/Organization: All course content and a detailed schedule are available on D2L. There are 4 units, each containing 3 modules. Modules typically contain 2 – 3 sections, each covering 1 – 2 learning targets through text readings, instructor video lectures, and/or outside resources. A homework set is assigned for each section and is due at the end of the module. Each module ends with a quiz, each unit ends with an exam. See D2L for quiz and exam dates.

Errors and Mistakes: This is the first time this course is being offered online. **If you see anything that looks wrong (weird due date, missing file, etc.), please email me right away so we can minimize everyone's frustration and confusion.**

Grading:

WeBWorK Homework (scaled as needed)	110 points-----	12.2%
Quizzes (12 @ 15 points, drop lowest)	165 points-----	18.3%
Exams (4 @ 100 points)	400 points-----	44.4%
Final	200 points-----	22.2%

875 points total

Grades: A = 90% (787 pts), B = 80% (700 pts), C = 70% (612 pts), D = 60% (525 pts).

Grades will be available through D2L but may not always be up to date. If at any point during the semester you would like to know your exact current grade, please email the instructor.

MATH213 Platform Guide			
Platform	D2L/Brightspace	WeBWork	Piazza
Use	Course content, quizzes and exams	Homework	Discussion
URL	https://winona.learn.minnstate.edu/	http://wsumath.org/webwork2/Math_213_Calculus_II_Errthum_01_F2020/	https://piazza.com/winona/fall2020/math213/home
User name	Star ID (example: ab1234cd)	Star ID (example: ab1234cd)	WSU Email entered when you sign up (example: john.doe@go.winona.edu)
Password	Star ID password (same one you use to log into email, laptop, etc.)	WSU Tech ID (example: 00123456) Note: You are advised to change this password on first log in.	Chosen when you sign up Note: It is advised that you do NOT use your Star ID password.

Homework: The homework sets for each module are **due at 8:00am on the day of the quiz**. All homework is to be submitted via the WeBWork website located here:

http://wsumath.org/webwork2/Math_213_Calculus_II_Errthum_01_F2020/.

(Note: Many institutions use WeBWork; make sure you are accessing the one at Winona State.) **Your WeBWork username is your Star ID and your initial password is your 8-digit student ID number.** If you have any problems logging in to WeBWork, please contact the instructor. Even though all the homework is submitted online, you should keep a record of your work in case you need to ask for help. The recommended way to seek help is via a post on the Piazza website for the class.

Piazza: This course uses Piazza for class discussion. Find our class page at:

<https://piazza.com/winona/fall2020/math213/home>.

(You will have to **use your winona.edu email and create a password**.) This system is highly catered to getting you help fast and efficiently from classmates and/or myself. Rather than emailing me, I encourage you to post your questions on Piazza so that everyone can benefit from the discussion. At the same time, I encourage you to answer other students' posts. Any response that gets the "Instructor Approved" tag will earn you **1 extra credit point in the course**.

Types of Piazza Posts		
Bad Examples	Okay Examples	Good Examples
"What's the answer to #7 on the webwork homework?" "I just don't get today's topic. Can anyone help out?"	"How do you get started on #7?" "I keep getting #7 wrong. Is there a tricky part I might be forgetting?" "Are there any other good videos covering today's material?"	"Here's what I did for #7:" ...(shows work)... "Where did I go wrong?" "In the video lecture, can someone explain where the formula at 2:23 came from?"

Quizzes: We will have a short (approx. 25-minute) quiz periodically (about once a week, see exact schedule in D2L). Each quiz will count for 15 points and the lowest quiz will ultimately be dropped from your grade. Quiz problems will be based on the learning targets from the lectures and the homework.

Exams: There will be four (approximately 1 hour) exams and one comprehensive final exam. Exam dates can be found in D2L. The final exam is scheduled for **Thursday, December 10, 8:00am – 10:00am**.

Quiz and Exam Submissions: Quizzes and exams will be posted to D2L at the designated date at 11:00am. You will have the given amount time to complete the problems, **with legible work shown**, on a piece of paper, and then upload images of your work/solutions to the “Assignments” folder in D2L. **Image files should be .jpg format and at a resolution that results in a file size of at least 100KB**. Other forms of submission are only allowed with instructor permission. There will be an opportunity in the first week to practice submitting.

Late/Missed Work: Late homework or missed quizzes will result in a score of zero. Make-up quizzes and make-up exams ***before the time of the normal quiz or exam*** will be given at the discretion of the instructor. If you have an unavoidable absence, please inform the instructor beforehand.

Academic Dishonesty: Any type of academic dishonesty (cheating, copying, etc.) will result in failure and will be reported to school authorities. This includes access to past quizzes, exams, etc. that has not been handed out to the whole class. **This also includes student-to-student communication during a quiz or exam and/or posting homework, quiz, or exam questions to unsanctioned websites.** If you are having trouble with the course, please contact the instructor first.

Note: This syllabus is subject to change if deemed necessary by the instructor.

Commitment to Inclusive Excellence

WSU recognizes that our individual differences can deepen our understanding of one another and the world around us, rather than divide us.

In this class, people of all ethnicities, genders and gender identities, religions, ages, sexual orientations, disabilities, socioeconomic backgrounds, regions, and nationalities are strongly encouraged to share their rich array of perspectives and experiences.

If you feel your differences may in some way isolate you from WSU’s community or if you have a need for any specific accommodations, please speak with the instructor early in the semester about your concerns and what we can do together to help you become an active and engaged member of our class and community.

If you or a friend has been a victim of sexual assault, dating violence, domestic violence, or stalking, you can talk to a trained, confidential advocate by calling 507.457.5610.