

Math 272: Multivariable Calculus I — Winter 2020

Instructor Information

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Class Information

Dates: 01/07/20 – 03/13/20
Time: 9 – 9:50 AM
Final Exam: 03/17/20, 8 – 10 AM
Classroom: Samuelson Hall – Room 102
Textbook: **Calculus: Multivariable**, 3rd edition, by Rogawski and Adams

Course Description

This course continues where we left off in the calculus sequence after differentiation and integration. Here we will learn about infinite sequences and series, calculus of vector-valued functions, differentiation in several variables, and other related topics.

We will cover the following chapters and sections of the textbook:

- Chapter 10 – Infinite Series (plus section 8.4 – Taylor Polynomials)
- Chapter 11 – Parametric Equations (sections 11.1–11.2)
- Chapter 12 – Vector Geometry (sections 12.1–12.6)
- Chapter 13 – Calculus of Vector-Valued Functions (sections 13.1–13.3, part of 13.5)
- Chapter 14 – Differentiation in Several Variables

Grading

Your final grade will be based on the following:

Homework	Exams	Final	Exam Reviews
40%	30%	25%	5%

93–100%	90–92%	88–89%	83–87%	80–82%	78–79%	73–77%	70–72%	Below 70%
A	A-	B+	B	B-	C+	C	C-	D or F

Homework

Homework will be assigned every week and solutions posted on Canvas. The top eight homework scores will make up 40% of your total course grade. You may work with others but the solutions must be in your own words.

Exams

There are three regular exams with the highest two scores (15% each) used to compute your final grade. If you miss an exam, you can make it up with a valid excuse or with prior permission.

The exams will cover the following chapters in the textbook:

- Exam 1 – Chapters 10 and 11 (Infinite Series, Parametric Equations)
- Exam 2 – Chapters 12 and 13 (Vector Geometry, Calculus of Vector-Valued Functions)
- Exam 3 – Chapter 14 (Differentiation in Several Variables)

The final exam is comprehensive and worth 25% of your final grade.

Exam Reviews

To prepare for the exams, problems will be assigned from the chapter review exercises at the end of each chapter of the textbook.

Important Dates

The three regular exams are tentatively scheduled for the weeks shown below:

- **January 13, 2020** – Last day to add or drop the class
- **January 27–31, 2020** – Exam 1
- **February 21, 2020** – Uncontested withdrawal deadline
- **February 24–28, 2020** – Exam 2
- **March 9–13, 2020** – Exam 3
- **March 17, 2020** – Final exam

Academic Honesty and Inclusiveness

Consult university policies CWUP 5-90-040(22), CWUR 2-90-040(22), and WAC 106-125-020 for student conduct, cheating, plagiarism, and other academic expectations. CWU's policies and recommendations for academic misconduct will be followed, leading to disciplinary action up to and including failing the course.

CWU expects every member of the university community to contribute to an inclusive and respectful classroom culture.

Students with Disabilities

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. If you anticipate or experience any barriers to learning, discuss your concerns with your instructor. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Student Disability Services is located in Hogue 126. Call (509) 963 – 2214 or email ds@cwu.edu for more information.

Faith/Tradition Observances Policy

In compliance with RCW 28B.137.010, Central Washington University makes every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963 – 1515 for further information or questions.