

Vector Calculus SI Seminar

Math 196V

MTL room 123, Wed 4:00-5:50 pm

Description of Course

This course is designed as a complement to Math 223. Students will participate in a weekly problem session pertaining to material covered in Math 223.

Course Modality

This class is scheduled to be taught in the IN-PERSON modality.

Co-requisites

Concurrent registration in Math 223.

Instructor and Contact Information

Instructor: Jared McBride

e-mail: jaredm@email.arizona.edu

Office Hour: Thursday 2-3 pm (@ tutoring center online)

Class Meetings

Meeting Times: The class will meet (in-person) on Wednesdays 4:00-5:50 pm in room 123 of the Math Teaching Lab. There we will run participation-based problem sessions. I am not planning on recording any class sessions or running a concurrent Zoom meeting.

Classroom attendance:

- If you feel sick, or may have been in contact with someone who is infectious, stay home. Except for seeking medical care, avoid contact with others and do not travel.
- Notify your instructor(s) if you will be missing a course meeting or an assignment deadline.
- If you must miss the equivalent of more than one week of class, you should contact the Dean of Students Office DOS-deanofstudents@email.arizona.edu to share documentation about the challenges you are facing.
- Voluntary, free, and convenient [COVID-19 testing](#) is available for students on Main Campus.
- If you test positive for COVID-19 and you are participating in on-campus activities, you must report your results to Campus Health. To learn more about the process for reporting a positive test, visit the [Case Notification Protocol](#).
- COVID-19 vaccine is available for all students at [Campus Health](#).
- Visit the [UArizona COVID-19](#) page for regular updates.

Course Objectives

This course is to help students to grow as both independent and collaborative problem solvers, through discussion and presentation sessions on problems involving vector calculus.

Expected Learning Outcomes

Students will develop problem-solving and critical, conceptual thinking skills. Along the way, they will deepen their understanding of concepts in vector calculus. Moreover, students will learn how to collaborate and exchange ideas with other student-peers, and how to make a presentation of their work to others.

Course Communications

Course announcements will be posted on D2L. Students can ask questions via e-mail to instructors.

Required Texts or Readings

We use the same textbook as Math 223.

Required or Special Materials

Special tools needed: graphing calculator (any model in TI-83, TI-84, or TI-89 series is recommended).

Grading Scale and Policies

Grades will be determined on the sole basis of participation. Which may be made-up if you are absent. There will be no exams. No extra credit will be given. For each class you will receive a participation grade based on your level of involvement in the discussions and presentations. If you are unable to attend class your participation grade may be made up by working on one of the problems covered on the day you missed and presenting the problem in its entirety in flipgrid. More information on how this is to be done will be provided in a separate document available on D2L.

You can receive up to 3 points for participation each class (3 points each). The grading key for participation is: Excellent - 3 pt, Acceptable - 2 pt, Poor - 1 pt, Fail - 0 pt.

You are guaranteed a grade of S and P if you earn at least 80% and 60% respectively.

The total points are calculated over 12 classes (36 total possible points). The first class meeting will not be graded. Note that there are 14 classes in this term (excluding the first class). So, your final grade will be calculated from the 12 highest grades.

Incomplete (I) or Withdrawal (W):

Requests for incomplete (I) or withdrawal (W) must be made in accordance with University policies, which are available at <https://registrar.arizona.edu/faculty-staff-resources/grading/grading-policies/incomplete> and <https://registrar.arizona.edu/faculty-staff-resources/grading/grading-policies/withdrawals>, respectively.

Dispute of Grade Policy

To dispute your grade on class participation, you must contact the instructors within a week of the grade assignment.

Classroom Behavior Policy

Recommended language:

To foster a positive learning environment, students and instructors have a shared responsibility. We want a safe, welcoming, and inclusive environment where all of us feel comfortable with each other and where we can challenge ourselves to succeed. To that end, our focus is on the tasks at hand and not on extraneous activities (e.g., texting, chatting, reading a newspaper, making phone calls, web surfing, etc.).

Students are asked to refrain from disruptive conversations with people sitting around them during lecture. Students observed engaging in disruptive activity will be asked to cease this behavior. Those who continue to disrupt the class will be asked to leave lecture or discussion and may be reported to the Dean of Students.

Additional Resources for Students

UA Academic policies and procedures are available at <http://catalog.arizona.edu/policies>

Student Assistance and Advocacy information is available at <http://deanofstudents.arizona.edu/student-assistance/students/student-assistance>

Academic advising: If you have questions about your academic progress this semester, or your chosen degree program, please note that advisors at the Advising Resource Center can guide you toward university resources to help you succeed.

Life challenges: If you are experiencing unexpected barriers to your success in your courses, please note the Dean of Students Office is a central support resource for all students and may be helpful. The Dean of Students Office can be reached at 520-621-2057 or DOSdeanofstudents@email.arizona.edu.

Physical and mental-health challenges: If you are facing physical or mental health challenges this semester, please note that Campus Health provides quality medical and mental health care. For medical appointments, call (520-621-9202). For After Hours care, call (520) 570-7898. For the Counseling & Psych Services (CAPS) 24/7 hotline, call (520) 621-3334.

Confidentiality of Student Records <http://www.registrar.arizona.edu/personal-information/family-educational-rights-and-privacyact-1974-ferpa?topic=ferpa>

Academic advising:

If you have questions about your academic progress this semester, please reach out to your academic advisor (<https://advising.arizona.edu/advisors/major>). Contact the Advising Resource Center (<https://advising.arizona.edu/>) for all general advising questions and referral assistance. Call 520-626-8667 or email to advising@arizona.edu

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Statement on compliance with COVID-19 mitigation guidelines:

As we enter the Fall semester, your and my health and safety remain the university's highest priority. To protect the health of everyone in this class, students are required to follow the university guidelines on COVID-19 mitigation. Please visit www.covid19.arizona.edu.

University-wide Policies link

Links to the following UA policies are provided here, <https://academicaffairs.arizona.edu/syllabus-policies>:

- Absence and Class Participation Policies
- Threatening Behavior Policy
- Accessibility and Accommodations Policy
- Code of Academic Integrity
- Nondiscrimination and Anti-Harassment Policy
- Subject to Change Statement