

MATH 231: Calculus of Several Variables
Section 1, 107 Ag Sc & Ind Bldg
TR 9:05 - 9:55 AM

This syllabus is subject to change based on the needs of the class. Please check it regularly.

Instructor: Sara Jamshidi, McAllister Bldg 419, jamshidi@math.psu.edu, (814) 863-9049

Office Hours: 10:10am - 11:10am TR, 11:10am -12:00pm MWF or by appointment.

Textbook: *Calculus*, 7th edition, by James Stewart, Cengage Learning

Prerequisites: Math 141, or equivalent courses. Students who have passed Math 230 or 230H may not schedule this course.

Course Description: Calculus of Several Variables (2) Analytic geometry in space; partial differentiation and applications. Here is the tentative schedule:

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| Review | 8/27 |
| Chapter 12: Vectors and the Geometry of Space | 8/29 - 9/24 |
| Chapter 13: Vector Functions | 9/26 - 10/17 |
| Chapter 14: Partial Derivatives | 10/22 – 12/6 |

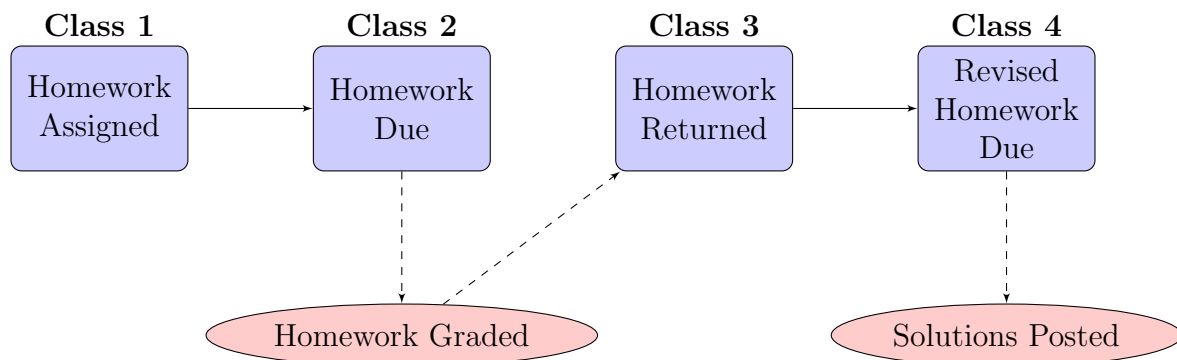
Grade Policy: Points (350 total) are distributed as follows (please see note on attendance)

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|------------------|--|
| 100 points | midterm examination I |
| 100 points | homework/quizzes/participation |
| 150 points | <u>comprehensive</u> final examination |

Grading: Final grades will *at least* be

| | | | |
|----------------|----------------|---------------|--|
| A 350-325 pts | B 304-290 pts | C 269-245 pts | |
| A- 324-315 pts | B- 289-280 pts | D 244-210 pts | |
| B+ 314-305 pts | C+ 279-270 pts | F 209-0 pts | |

Homework: Assignments will be posted after every lecture and will be due at the end of the following lecture. You are allowed to work in groups; however, you must write your homework in your own words. You may revise your homework. To do so, you must turn in your original homework with the revision before the solutions are posted.



Midterm: We will have one midterm. It is scheduled for **Monday, October 21** from 6:30pm to 7:45pm. Calculators will not be permitted.

Academic Integrity: Academic integrity is the pursuit of scholarly activity free from fraud and deception and is an educational objective of this institution. All University policies regarding academic integrity apply to this course.

Academic dishonesty includes, but is not limited to, cheating, plagiarizing, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. All exam answers must be your own, and you must not provide any assistance to other students during exams.

Any instances of academic dishonesty **WILL** be pursued under the University and Eberly College of Science regulations concerning academic integrity.

Disability Services: The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications. If you have a disability-related need for adjustments in this course, contact the Office for Disability Services (ODS) at 814-863-1807. For further information regarding ODS, please visit <http://equity.psu.edu/ods/>. In order to receive accommodations, you must contact ODS and provide documentation (see the documentation guidelines at <http://equity.psu.edu/ods/guidelines/documentation-guidelines>). Please share your academic adjustment letters at the beginning of the semester.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss any aspect of the course. You also may want to consider the free tutoring offered by Penn State Learning or by the Academic Excellence Center . Information is available at

- <http://pennstatelearning.psu.edu/resources/meet-math-tutor>
- <http://www.engr.psu.edu/mep/AEC.html>

If you want to hire a tutor (for a fee), you can find a list through the Math Department (MB 104).

Attendance Policy: Attendance is **required** for this class. Participation is necessary for this class and, as a result, your presence is crucial to the course.

It is university policy that students attend every class for which the student is scheduled. You will be held responsible for all work covered in this course. ***A student whose irregular attendance causes him or her, in the judgment of the instructor, to become deficient scholastically, may run the risk of receiving a failing grade or receiving a lower grade than the student might have secured had the student been in regular attendance (Policy 42-27).***

Important Dates:

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|-----------------------------|---------------------------|
| Regular Drop Deadline | September 4 |
| Regular Add Deadline | September 5 (8:00 AM EST) |
| Midterm I | October 21 (6:30 PM) |
| Late Drop Deadline | November 15 |
| Final Exams | December 16 - 20 |