

Math 230 - Fall 2004 Calculus and Vector Analysis

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<u>Office hours</u> (tentative):	Monday 5:00-6:00 PM Tuesday 5:10 - 6:10 PM Wednesday 5:00 - 6:00 PM

DESCRIPTION: Three-dimensional analytic geometry; vectors in space; partial differentiation; double and triple integrals; integral vector calculus. Students who have passed either MATH 231 or 232 may not schedule MATH 230 for credit.

PREREQUISITES: MATH 141.

TEXTBOOK: Calculus, Fifth Edition, by James Stewart, published by Thomson (Brooks/Cole).

EXAMINATIONS: Two 75-minute evening examinations will be given during the semester and a comprehensive final examination will be given during the final examination period. **NO books, notes, or calculators may be used on the examinations.** You must bring your University ID card to all exams. The two examinations will be given on the following dates:

Midterm I: TUESDAY OCTOBER 5, 6:30- 7:45 PM
Midterm II: WEDNESDAY NOVEMBER 10, 6:30- 7:45 PM

Rooms for the exams will be announced later.

CONFLICT EXAMINATIONS: For the mid-semester examinations, there is a conflict examination from 5:05 to 6:20 PM on the same night as the regular examination. You must have a valid reason for taking the conflict exam, such as another exam or scheduled class and you need to sign up by 48 hours before the exam date. Students must bring their University ID to the conflict exam. The ID will be checked by the proctor. Although the conflict examination will end at 6:20 PM, no student will be permitted to leave the exam room before 6:25 PM. A student who leaves before 6:25 PM will receive a grade of zero on the examination and will not be allowed to retake it.

MAKEUP EXAMINATIONS: Students who have a valid documented reason, such as a class conflict or illness during both the conflict and regular examination times are permitted to schedule a makeup examination with no penalty. Students who do not

have a valid reason for missing the examination, such as forgetting the date, time, or room of an examination, are also permitted to schedule a makeup, but 20 points will be deducted from their score. The makeup examinations will be given on the following days:

Makeup Midterm I: WEDNESDAY OCTOBER 13, 6:30 - 7:45 PM

Makeup Midterm II: TUESDAY NOVEMBER 16, 6:30 - 7:45 PM

In order to take a makeup examination, you must sign up with your instructor within 48 hours of the date of the regular exam. You must be prepared to verify the reason for taking the makeup. Students who have taken the regularly scheduled examination are not permitted to take the makeup examination. Students who have not signed up for the makeup will not be allowed to take it. Students must bring their University ID to the makeup exam.

NO OTHER MAKE-UP EXAMS WILL BE GIVEN.

FINAL EXAMINATION: The final examination will be given during the week, December 13- 17, 2004. The date and time of the final examination will be announced by the University Registrar midway through the semester. **The final examination will be scheduled on any day during the final examination period. Do not plan to leave University Park until after Friday, December 17, 2004.** There are two types of conflict examinations, direct and overload. Direct conflicts are two examinations scheduled at the same time. Students with a direct conflict should file for a conflict examination in Shields Building with the University Registrar. Overload examinations are three or more examinations scheduled within a fifteen hour period, from the beginning of the first examination to the beginning of the third examination. Students may elect to take the three or more examinations on the same day if they wish or request a conflict final examination through the University Registrar.

Students must file for direct and overload conflict final examinations at the Registrar's Office between October 4 and October 17. Conflict final examination can not be scheduled through mathematics department.

Students who miss the final examination will be allowed to take a makeup final examination. If the student has a valid and documented reason, such as illness, no penalty will be imposed. If the student does not have a valid reason, a 30 point penalty will be imposed. Students who have taken the original final examination are not permitted to take a makeup examination.

HOMEWORK AND QUIZZES: There will be weekly homework assignments, collected and graded, plus (almost) weekly short quizzes. Each quiz will be worth 5 pts and the best 10 quizzes selected. The worst two homework will be dropped. Homework scores will be combined appropriately to a 50-point scale. Homework assignments will be posted on the instructor web page and are due each THURSDAY by 5 PM in the instructor's mailbox.

NO LATE OR MAKE-UP HOMEWORK WILL BE ALLOWED.

GRADING: The grade for the course is based on a total of 450 points, divided as follows:

Midterms: 100 points each
Final Exam: 150 pts
Homework and Quizzes: 100 pts

NOTE: Your grade will be based EXCLUSIVELY on the midterm examinations, homework/quizzes and final examination. **There is no "extra-credit" work.**

ACADEMIC INTEGRITY: Academic integrity is the pursuit of scholarly activity in an open, honest and responsible manner. Academic integrity is a basic guiding principle for all academic activity at The Pennsylvania State University, and all members of the University community are expected to act in accordance with this principle. Consistent with this expectation, the University's Code of Conduct states that all students should act with personal integrity, respect other students' dignity, rights and property, and help create and maintain an environment in which all can succeed through the fruits of their efforts.

Academic integrity includes a commitment not to engage in or tolerate acts of falsification, misrepresentation or deception. Such acts of dishonesty violate the fundamental ethical principles of the University community and compromise the worth of work completed by others.

"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 academic work of other students. . . . A student charged with academic dishonesty will be given oral or written notice of the charge by the instructor. If students believe that they have been falsely accused, they should seek redress through informal discussions with the instructor, the department head, dean or campus executive officer. If the instructor believes that the infraction is sufficiently serious to warrant the referral of the case to Judicial Affairs, or if the instructor will award a final grade of F in the course because of the infraction, the student and instructor will be afforded formal due process procedures." From Policies and Rules, Student Guide to the University Policy 49-20.

Based on the University's Faculty Senate Policy 49-20, a range of academic sanctions may be taken against a student who engages in academic dishonesty. Please see the Eberly College of Science Academic Integrity homepage for additional information and procedures.

TENTATIVE SCHEDULE

You are expected to read the textbook BEFORE each class period.

August 31	Section 13.1
September 1	Section 13.2

September 2	Section 13.3
September 3	Section 13.4
September 8	Section 13.5
September 9	Section 13.5
September 10	Section 13.6-13.7
September 13	Section 14.1
September 15	Section 14.2
September 16	Section 14.3
September 17	Section 14.3
September 20	Section 14.4
September 22	Section 15.1
September 23	Section 15.2
September 24	Section 15.3
September 27	Section 15.4
September 29	Section 15.4
September 30	Section 15.5
October 1	Review
October 4	Review
October 5	Midterm I
October 6	Section 15.5
October 7	Section 15.6
October 8	Section 15.6
October 11	Section 15.7
October 13	Section 15.7
October 14	Section 15.8
October 18	Section 16.12
October 20	Section 16.2
October 21	Section 16.3
October 22	Section 16.3
October 25	Section 16.4
October 27	Section 16.6
October 28	Section 16.7
October 29	Section 16.8
November 1	Section 16.9
November 3	Section 17.1
November 4	Section 17.2
November 5	Section 17.2
November 8	Review
November 10	Review - Midterm II
November 11	Section 17.3
November 12	Section 17.4
November 15	Section 17.4
November 17	Section 17.5
November 18	Section 17.5

November 19	Section 17.6
November 22	Section 17.6
November 29	Section 17.7
December 1	Section 17.7
December 2	Section 17.8
December 3	Section 17.8
December 6	Section 17.9
December 8	Section 17.9
December 9	Review
December 10	Review