

Calculus and Vector Analysis

Math 230H- Syllabus

Fall 2006

Instructor: Aissa WADE

Office: 317 McAllister Building

Phone: 865-7311

Email: wade@math.psu.edu

Office Hours: Mondays and Tuesdays 9:30 - 10:30am.

Class Meeting Times: MWRf 02:30 - 03:20pm in 111 Sackett Building

Course Description: Three-dimensional analytic geometry; vector in space; partial differentiation, double and triple integrals, integral vector calculus.

Prerequisite: Math 141.

Textbook: Calculus, 5th Edition, by James Stewart, published by Thomson Brooks/Cole. We will cover Chapters 13-17.

Course Webpage: www.math.psu.edu/wade/math230H-FA06.html

Calculators: Calculators are not allowed on the exams.

Homework: There will be 10 homework assignments due on 9/14, 9/21, 9/28, 10/5, 10/19, 10/26, 11/2, 11/9, 11/30, 12/7. *No late homework will be accepted.* It is important to justify your answers by a rigorous argument. No credit will be given for poorly presented solutions.

Midterm Examinations: There will be two in-class midterm examinations on 10/12 and 11/16. No makeup exam will be given to students who do not have a *valid documented reason* for missing the exams. No early exams!

Final Examination: A comprehensive final will be given. The final exam period will begin on Monday, December 18, and will end on Friday, December 22. *Students should not make arrangements to leave University Park before Saturday, December 23, 2006.* Students must bring their University ID to all examinations.

Projects: Students must submit their honors project by the last day of classes. The honors project will be graded based on its *clarity and neatness*.

Honors projects must be comprehensible to students of this class. It is important to acknowledge all used sources, including web-based sources. Plagiarism will NOT be allowed in any of its forms.

You may submit an individual or group project (up to three people). A list of honors projects will be provided. Students may also propose a project on a topic relevant to the course material.

Grading Policy: Grades will be assigned on the basis of 500 points distributed as follows:

- 200 points homework
- 150 points midterm examinations
- 100 points final examination
- 50 points projects

Academic Integrity: All Penn State policies regarding academic Integrity apply to this course. 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 sanctions range from a warning to removal from the academic program, and include deductions of points or alterations in grades.

Please see the Eberly College of Science Academic Integrity homepage for additional information and procedures at www.science.psu.edu/academic/Integrity/Policy.htm.