

Course Information Sheet: Math 32404, Section GH

Course Title: Advanced Calculus II

Pre-requisites: Math 32300 (Advanced Calculus I) and Math 34600 (Linear Algebra)

Catalog Description: A second semester of advanced calculus, with emphasis on topics in multi-variable calculus. Sequences, continuity, compactness, completeness, differentiation and integration in \mathbb{R}^n , implicit and inverse function theorems, line and surface integrals, theorems of Green, Gauss and Stokes.

Meeting time and place: Mondays and Wednesdays 6-7:40pm in NAC 6/328.

Instructor Information:

- **Name:** Prof. Hooper
- **Office hours:** Mondays and Wednesdays 3:30-5pm (on any day our class meets). Appointments are also accepted.
- **Office:** NAC 6/282
- **Email:** whooper@ccny.cuny.edu
- **Office Phone:** (212) 650-5149

Course Textbook: *Advanced Calculus* by Gerald B. Folland, Prentice-Hall, 2002

Grades: Grades will be computed from the following:

- Attendance (See the attendance policy below.)
- Class participation and homework (10%)
- Quizzes (20%)
- One midterm (30%): Wednesday, October 26th.
- The final exam (40%): Monday, December 19th, 6-8:15pm.

Your final score will be tabulated out of 100% as indicated by the percentages above. A curve will then be applied to determine your final grade.

Course information: Course information can be found on the website <http://wphooper.com/teaching/2011-fall-324/>. This site includes a list of homework assignments, a tentative course calendar and a list of course documents.

Blackboard: A record of your grades in this course can be found on blackboard. To access blackboard visit <http://bbhosted.cuny.edu/>. Please let me know if you have trouble accessing blackboard, or trouble using the blackboard website.

Email: It is important that you are accessible via email through blackboard. To change or update your email address go to <http://portal.cuny.edu>, click "Portal login" from the bottom left menu, then login, and select "My profile" on the left menu.

General expectations: For each hour spent in the classroom, I expect you to spend at least two hours reading and understanding the book, understanding lecture notes, and doing

homework. Practice (doing problems and proofs) is an important part of understanding mathematics. Only adequate practice will guarantee that you can complete midterm and exam problems in a timely manner.

Final exam: The final exam will be held on Monday, December 19th from 6pm to 8:15pm according to the schedule posted at <http://www1.cuny.cuny.edu/current/registrar/classes2/fall/Fall-2011-Final-Exam-Schedule.cfm>. Ensure that you have no time conflicts. A makeup for the final exam is offered only under extremely compelling circumstances. Notify me as soon as you know you will have to miss the final.

Midterm: You will be given the full class period to complete the midterm. If the midterm is missed under well documented and sufficiently compelling circumstances, then a makeup can be taken. Notify me ahead of a midterm you expect to miss to be sure your circumstances are sufficiently compelling. The makeup must be taken within one week of the originally scheduled midterm. A grade of zero will be assigned to anyone who does not take a midterm or a makeup.

Quizzes: There will be a quiz nearly every Wednesday on material covered by the latest homework assignment. Days with quizzes are listed on the calendar page of the course website.

Homework assignments: Homework assignments will be made available on the course website at least one week before the assignment is due. I encourage you to work in groups on the homework problems, especially if this best suits your learning style. Nonetheless, you should be confident that you understand how to do each problem, and should be able to solve similar problems independently. Failure to ensure that you can solve problems independently will surely have a negative effect on exam grades. You must turn in your own write up of each homework problem.

Homework grades: Homework will be collected at the beginning of the class it is due. Late homework will be accepted for one week after it is due for reduced credit. Late homework is graded for a maximum of 75% of the original credit. The lowest two homework grades will be dropped from computations of your final grade. Homework problems will be graded partially on presentation. In order to get full credit on a problem, a student who reads your answer should be able to easily understand how you solved the problem.

Attendance: As students, class is extremely important for learning. You will be introduced to the material, and the relative importance of topics in the course will be revealed. For this reason, attendance is mandatory. Missing an excess of eight 50 minute periods (or 4 classes) may result in you being dropped from the course, and will certainly result in a reduction of your final score by 5%. Occasionally, exceptions to this policy will be made, but only for good reason and only with notification prior to the absence. Good reasons include illness with a doctor's note and many religious observations.

Lateness: Lateness to class is unacceptable because it disrupts the learning process of the whole class. For this reason, any student who arrives more than 5 minutes after class

begins will be considered late. Three late attendances are considered the equivalent of one absence. Thus, sufficiently many late attendances will result in actions as described in the Attendance policy. In addition, any student who arrives 15 minutes after a class begins will be considered absent from that class period.

Academic integrity: You are expected to adhere to the CUNY Policy on academic integrity. This policy is posted at <http://www1.ccny.cuny.edu/current/integrity.cfm>.