Math 141H - Fall 2007
Honors Calculus with Analytic Geometry

Instructor: Professor Anna L. Mazzucato
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Web page:
www.math.psu.edu/mazzucat/ (Instructor page)
www.math.psu.edu/mazzucat/math141H (Instructor’s Course page)
www.math.psu.edu/ug/MATH141home.htm (Department’s course page)

Office hours (tentative):
Monday 5:00-6:00 PM
Wednesday 1:15 - 2:15 PM
Thursday 12:30 - 1:30 PM

Class meets MWF 11:15 A -12:05 P in 305 WAGNER, Th 11:15 A - 12:05 P in 107 WARTIK.

DESCRIPTION: Derivatives, integrals, applications; sequences and series; analytic geometry and polar coordinates. Students may take only one course for credit from among Math 141, 141B and 141H.

PREREQUISITES: Math 140, Math 140A, 140B or 140H.

The course will follow the general rules and schedules contained in the Departmental Syllabus for Math 141 available at: http://www.math.psu.edu/ug/141sylfa07.html, EXCEPT I will not use Web Assign. I will use ANGEL to post homework assignments, instructional material, and announcements.
This Honors Course will differ from the regular course in that we will study the material in depth and your assignments will be more challenging. In particular, there may be different problems on each of the midterm and final exams. There will also be a final project due. Changes in the syllabus or schedule specific to this course will be available on the Instructor’s web page, or through ANGEL, or announced in class.
You are required to carefully read and understand both the Departmental and Instructor’s Syllabus.

GRADING: The grade for the course is based on a total of 500 points, divided as follows:

Midterms: 100 points each
Final Exam: 150 pts
Homework and Quizzes: 100 pts
Final Project: 50 pts.
NOTE: Your grade will be based EXCLUSIVELY on the midterm examinations, homework/quizzes, final examination and project. There is no "extra-credit" work.

HOMEWORK AND QUIZZES: There will be weekly homework assignments consisting in problems from the book. They will be available on this course web page and through ANGEL. Homework will be assigned usually each THURSDAY and collected the following THURSDAY. The homework is due IN PERSON, IN CLASS. NO LATE HOMEWORK will be accepted. Your lowest homework score will be dropped. There will be IN CLASS quizzes every two weeks ON FRIDAY. MISSED quizzes MAY NOT be made up at a later time, unless for valid excuses, such as documented illness or University-sponsored activities. In such event you are to contact the instructor IN ADVANCE and get permission. Your lowest quiz score will be dropped. Homework and quizzes will contribute the 100 pts in the following percentage: Homework % 60, Quizzes % 40.

COURSE SPECIFIC POLICIES: You MAY NOT use calculators, personal notes, or the textbook and NO COLLABORATION is allowed during quizzes and examinations. You may work homework problems with classmates and are encourage to seek your peers’ help. However, each of you must turn in individually written solutions. ATTENDANCE to this course IS REQUIRED and I will randomly take attendance throughout the course. If you cannot attend class because of one of the above valid excuses, you are to contact the instructor IN ADVANCE and you are responsible for materials due, concept covered, and assignments given. In particular, it will NOT BE TOLERATED that students arrive late, leave class early, or disrupt class in any way. I will make all efforts to start and finish class on time. Please, discuss any logistic problem with me. Cell Phones must be TURNED OFF during ALL course activities.

COMMENTS: This course is difficult but of FUNDAMENTAL IMPORTANCE to almost any scientific discipline, not just advanced Mathematics. In order to succeed in it, you MUST devote to it adequate time and attention, by coming to class regularly, keeping up with reading and homework assignments, taking advantage of office hours. If you do not understand one concept, you will NOT understand subsequent material. IT IS IMPERATIVE that you do not fall behind, but if you do DO NOT WAIT. Come to office hours immediately to get extra help. Additional help is available through: - your classmates; - review sessions; - private tutors ( see staff in 104 McAllister for a list); - the Math Center (in 220 Boucke). I expect that you read the textbook carefully after each class periods. In fact, it is best to read the book before coming to class. I WELCOME questions both during and outside class. ALL questions are very useful to both the instructor and the students. I also welcome general feedback about the course. An anonymous feedback form is available on this course web page.