Math 490
Senior Seminar
Course Description

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Office Hours: M, Tu, W: 2:00 - 3:00

Fall 2007
MF 12:30—1:45
Room: YR 127
Section: 001

Prerequisites: Senior standing.

Catalog Description: Selected mathematical topics and their uses.

Academic Integrity: The nature of higher mathematics requires that students adhere to accepted standards of academic integrity. Violations of academic integrity include cheating, plagiarism, falsification and fabrication, complicity in academic dishonesty, personal misrepresentation and proxy, bribes, favors and threats. Cheating is a serious offense that will have grave consequences for your academic life.

Students who violate these standards will either fail the course outright or, at the instructor's discretion, may merely receive a zero on any assignment for which the student receives inappropriate assistance. Violations of these standards will be referred to the administration for possible additional action.

Required Instructional Material: *All the Mathematics You Missed*, by Thomas Garrity is the required text for this course.

Methods of Instruction: This is a seminar course. Students are expected to read and learn from the text. Class time will be devoted to student presentations and to the answering of questions. This course has no regular lecture component.

Attendance: Attendance is expected; you should only miss a class for a compelling reason. If you do miss a class, you are responsible for any material that you miss, including any homework assignments given in that class.

Grading and Assignments: A number of problem sets will be posed to the class. Students will need to prepare written solutions for each of these problems. In addition, for each problem assigned, a student (selected randomly) will be called upon to present their solution to the class. Both the written solutions and the presented solutions will be graded.

The written solutions to these problem sets will account for 30% of the student's final grade. These written solutions must be turned in before the corresponding class presentation of the solution for the solution to receive full credit. Any solution that is turned in after the corresponding class presentation has begun will receive at most half-credit.

Students will be asked to participate in class, by leading discussions, working out problems, and presenting material. In particular, students will be asked to present their solutions to homework problems to the class, and these presentations will be graded. The total classroom participation grade will account for 30% of the final grade.

Students will be required to complete a final project. As part of the project, students will write a final paper, and will give a public presentation to the class and the mathematics department faculty. The written paper will count for 20% of the final grade, and the oral presentation will count for 20%.

Details on the final project will be given to the class in October.

Withdraw: The last day to withdraw from the course with a grade of "W" is November 7.