

MATH 490

Senior Seminar

Class Policies

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Fall 2013
Class: TuTh 5:00 - 6:15
Room: YR 122
Section: 101
Office Hours: Tu 2-3, Th 3-4 and by appointment

Prerequisites: Senior standing.

Catalog Description: Selected mathematical topics and their applications.

Instructional Material The primary text is T. Garrity, *All the Mathematics You Missed*, Cambridge University Press, 2001.

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 discussing questions. This course has no regular lecture component.

Learning Outcomes:

- Students will be able to read and learn mathematics independently.
- Students will be able to see the connections between different areas of mathematics.
- Students will be able to present their mathematical ideas orally to a group.
- Students will be able to develop well written solutions to a range of mathematical problems.

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. Unexcused absences can result in a lower grade.

Grading: A number of problem sets will be posed to the class. Students will need to prepare written solutions for each of these problems, and these problems will be graded. These written solutions must be turned in before the corresponding class discussion of the solution for the solution to receive full credit. Together, all of these problems will account for 30 points of the students final grade.

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

Students will be required to complete a final project. Details on the final project will be given to the class in October. 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 points, and the oral presentation will count for 15 points.

Students who visit the professor outside of class, either during office hours or otherwise will receive an additional 5 points toward their final grade.

Given a final point score p , final grades will be assigned based on the following scheme

- $80 \leq p$: A
- $78 \leq p < 80$: A-
- $77 \leq p < 78$: B+
- $70 \leq p < 77$: B
- $68 \leq p < 70$: B-
- $67 \leq p < 68$: C+
- $60 \leq p < 67$: C
- $50 \leq p < 60$: D
- $p < 50$: F

Guidelines for Homework:

1. Late work will not be accepted without a compelling reason.
2. Assignments are required to be neat, clean, and paper-clipped or stapled.
3. Assignments must include the author's name, and a brief description of the assignment.
4. Students are allowed to discuss homework problems with their classmates, however all work that is turned in must be the student's own work.

Any assignment that does not meet these criteria may receive a deduction in score, or more generally will simply be rejected.

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. Particularly serious violations of these standards will be referred to the administration for possible additional action.

Withdraw: The last day to withdraw from the course with a grade of W is November 6.

Course repeat policy: Students may not repeat a course more than once without prior permission of the Academic Standards Committee.

Students with Disabilities: This course is in compliance with Towson University policies for students with disabilities. Students with disabilities are encouraged to register with Disability Support Services (DSS), 7720 York Road, Suite 232, 410-704-2638 (Voice) or 410-704-4423 (TDD). Students who expect that they have a disability but do not have documentation are encouraged to contact DSS for advice on how to obtain appropriate evaluation. A memo from DSS authorizing your accommodation is needed before any accommodation can be made.

Help: You are welcome to stop by my office, for whatever reason, and at whatever time, even if there are no office hours scheduled then.

Web Page: My web page at <http://www.towson.edu/moleary> has copies of all of the old exams and homework assignments that I have given while at Towson.