

Math 116

Syllabus

Spring 2009

TEXT: *Excursions in Modern Mathematics*, 6th edition, by Peter Tannenbaum, Prentice-Hall, ISBN 0131873636.

CALCULATORS: A graphing calculator is recommended for this course. It is recommended that you use a TI-83, TI-83 plus, or a TI-84. **Note that the TI-89, TI-92, and calculators that use a Computer Algebra System are not permitted.**

COURSE OBJECTIVES: To briefly explore a wide variety of topics in modern mathematics, including sequences, probability, voting theory, models of growth, symmetry, fractals and graph theory.

LECTURER: Dr. William Husen. Office: MA 414. Phone: 292-5431. Email: husen@math.ohio-state.edu
Office hours: MW 9:30-10:15 am, F 10:30-11:15am.

RECITATION INSTRUCTORS:

Samuel Alexander. Office: MW 216. Phone: 292-6174. Email: alexander@math.ohio-state.edu.

Brian Morton. Office: MA 356. Phone: 247-4717 Email: morton.65@osu.edu.

Tom Niemeyer. Office: MA 356. Phone: 247-4717 Email: niemeyer.24@osu.edu.

EMAIL, HOMEPAGE & CARMEN: You are responsible for information contained in email messages sent to your OSU email address: **yourlastname.#@osu.edu**. You should check your email at least once per day. The course homepage can be found at <http://www.math.ohio-state.edu/~husen/teaching/sp2009/116/116.html>. Carmen is a web-based course tool that allows you to view course materials and your scores. You can access Carmen by visiting <http://carmen.osu.edu>. You will need your OSU ID and password.

RECITATION: You will meet with your recitation instructor on Tuesdays and Thursdays. Your performance in recitation will count for 25% of your grade and will consist of collected homework and in-class quizzes:

- **HOMEWORK:** There is a total of 8 homework assignments which are listed under “**Math 116 Homework Assignments**.”. These assignments will be collected on most Tuesdays. Your TA will grade a portion of each assignment. Your homework will count for a total of 10% of your grade.
- **QUIZZES:** There will a total of six quizzes given by your recitation teacher during the quarter. The five best quiz scores will be counted for a total of 15% of your grade.

EXAMS: There will be two midterm exams and a **cumulative** final exam given. Each will be given in the usual lecture room (DL 113). Each midterm will count for 20% of your grade and the final exam will count for 35% of your grade.

- **EXAM SCHEDULE:** Attendance at the exams at the scheduled time and place is required.

Midterm 1	Friday, April 24	11:30am-12:18pm
Midterm 2	Friday, May 22	11:30am-12:18pm
Final Exam	Thursday, June 11	11:30am-1:18pm
- **MAKEUPS:** Because the midterms will be given during class time and the final will be given at the university-assigned time, make-up exams will only be considered to be given under extreme circumstances that are to be documented in writing **Such conflicts must be brought to the attention of the lecturer (via email or message left at department phone: 292-4975) at the earliest feasible time.**

COURSE GRADE: Your final grade will be based on your homework, quiz, midterm, and final exam scores:

RECITATION 25% (Best 5 of 6 quiz scores and homework)
MIDTERMS: 40% points (2 midterms)
FINAL EXAM: 35% points

GRADING SCALE (Percent) (Adjustments to this scale may be made at the end of the quarter):

A	A-	B+	B	B-	C+	C	C-	D+	D
90	87	83	80	77	73	70	67	63	60

HELP WITH THE COURSE: Your lecturer and recitation instructor will have regular office hours for individual help.

GEC INFORMATION: This Mathematics course can be used, depending on your degree program, to satisfy the Quantitative and Logical Skills category of the General Education Requirement (GEC). The goals and learning objectives for this category are:

Goals: Courses in quantitative and logical skills develop logical reasoning, including the ability to identify valid arguments, use mathematical models and draw conclusions based on quantitative data.

Learning objectives: Students comprehend mathematical concepts and methods adequate to construct valid arguments and understand inductive and deductive reasoning, scientific inference and general problem solving.

DISABILITY STATEMENT: Students with disabilities that have been certified by the Office of Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office of Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; <http://www.ods.ohio-state.edu/>.

ACADEMIC MISCONDUCT STATEMENT: It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee. For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/resource_csc.asp).