

Office: Hathorn 204

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Office Hours: M,W 9-11 am, and by appt.

Text: *The Heart of Mathematics*, 2nd edition, Burger and Starbird, ISBN:1-931914-51-6 (with Manipulative Kit).

Required Calculator: Scientific Calculator with SIN function.

Course goals: My primary objective in this course is to introduce you to some of the great ideas in mathematics. I hope you will come to enjoy and appreciate the art of mathematics, by experiencing some of its masterpieces.

What's expected of you: This class will be highly participatory, with much of your learning taking place through discussions both in and out of class. It is essential that you keep up with the reading, and complete all assignments in a timely manner.

What you can expect from me: I will give you timely and frequent feedback. I will make myself available to answer your questions. You can give me a call, send e-mail, and/or make an appointment to see me in my office. I will come to class prepared, and do my best to make the course relevant, challenging, and fun! I will take any suggestions you make as to how to improve the class very seriously, and welcome your feedback throughout the semester.

The Plan: We meet for 80 minutes twice a week (T-Th, 9:30-10:50). Many Thursdays are "lab" days where you will work through a series of guided inquiries in small groups with Eric Towne (our Assistant in Instruction) and myself as consultants. These will be collected and checked for completeness. If you miss a lab, you are still responsible for working through it and handing it in. We will spend most of our time in class going over homework and answering your questions about the new concepts you have explored in the labs and encountered in the reading assignments from the text.

Assessment: The centerpiece of the course is your term project, which you will present in a public poster session. There will be daily graded homework assignments, and two midterms. Attendance is part of participation. You are allowed one unexcused absence, and can expect to lose half a letter grade for each unexcused absence after that. Your grade will be computed approximately as follows:

Participation	10%
Labs	10%
Homework	20%
Midterm I	20%
Midterm II	20%
Project	20%

Help: Besides coming to see me, there are several other ways you can get extra help. There is the Mathematics and Statistics Workshop at 146 Wood St. with drop-in help from 1-4 PM on Mondays through Thursdays. You can also call or e-mail Grace Coulombe, the director of the workshop (gcoulomb@bates.edu), for an individual appointment. In addition, Grace can set you up with your own personal tutor, *free of charge*.