Instructor: Kathryn Montovan  
Office Hours: Wednesdays 9 – 11 AM in Malott 218  
Office: 657 Rhodes Hall  
E-mail: kjs237@cornell.edu  
Class Meetings: MWF 8-8:50 AM in Malott 406

Class Website: http://cam.cornell.edu/~ksullivan/math1110.html

Course Materials:
- Please bring your textbook to class every day.
- We will be using clickers in class. Please bring one if you have one.
- Optional: Khan Academy (http://www.khanacademy.org/math) has videos on most of the topics covered in this course. These videos are a great way to see additional problems worked.

How to do well in this course:
- Attend class and be prepared to participate fully. This means watching the assigned lecture videos, reading the book, completing the reading questions and trying to solve all problems in the pre-class problem set. It is difficult to figure things out on your own, but is worth your time. Bring questions to class if you don't understand something.
- Work effectively in class, ask good questions, and help others understand the materials.
- Use the assignments as a time to practice your skills and test how well you have learned topics.
- Ask for help when you need it. Great places to get help are: My office hours, HW Study Sessions, MATH 1011, and the Math Support Center. See the course moodle page for more information.

Course Structure:
This course will be unlike many of your other classes at Cornell. I do not believe that lectures are the best way to use class time. I instead expect you to watch online lecture videos, read the book and test your knowledge by attempting the pre-class problem set before coming to class. This may be really difficult, but struggling with these problems will help you learn much more in class. If there is anything that you didn't understand or problems that you couldn't complete, bring them to class. I will start each class with time for you to ask questions. Then I will ask you questions to see how well you understand the materials without your notes or formulas. We will spend most of each class working on problems to solidify your understanding of each topic. We will be tackling more difficult (test-like) problems in class, so coming to class prepared is very important. Because I expect you to spend additional time preparing for class, we will devote significant amounts of classroom time to working problems from your problem sets.

Section Grade:
The section grade is based on your class participation (30%), weekly problem sets (30%), and your scores on 6 in-class quizzes (40%). The pre-class reading questions will be considered part of your class participation score.

- **Class participation:** To get full points you must come to class prepared (meaning you watched the lecture videos, read the book, answered the online reading questions, and attempted the pre-class problem set). You must also participate fully by asking good questions and helping others when you can.
- **Problem Sets:** Textbook exercises will be due each Friday at the beginning of class. *I do not accept late homework.* You are encouraged to work together on problem sets, however, you must write up the solutions to the problems on your own. One problem on each assignment will be graded in detail. Your lowest two homework scores will be dropped. This is to account for illness or injury-- don't waste it and regret it when you really are too sick to complete your homework on time.

Here are some things to keep in mind regarding your homework assignments:
- Put your name and section number on the first page, put the problems in order, leave a blank line between problems and *staple all pages together* (or points will be deducted).
- Write clear, logical solutions, using legible handwriting and complete sentences.
  - If a problem provides units, the answer should be given in the appropriate units.
  - If you are using a named theorem, cite that theorem in your solution.
- Give all questions an honest try. If you cannot solve a problem, write a few sentences about what step you are stuck on, and what you would do if you could get past that hurdle. Before the test, make sure that you work with someone to figure out how to do these problems.