

MT 191: FUNDAMENTALS OF MATHEMATICS II

COURSE SYLLABUS

SPRING 2014

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Course time: MWF 10
Course location: Campion 328

TEXTBOOK

The textbook for the class is *Mathematics for Elementary Teachers with Activities*, Fourth Edition, by Sybilla Beckmann.

TOPICS TO BE COVERED

We will cover Chapters 8 to 14 of the textbook. This includes Geometry, Measurement, Area and Volume, Geometry of Motion and Change, Functions and Algebra.

REQUIREMENTS

- **Homework:** Homework assignments will be posted on the class website and collected weekly. For credit, you must show work and explain your answers. Correct answers with no work will receive no credit. *No late assignments will be accepted.*
- **Class Participation:** The course will be structured to include group work and class discussion as a significant portion of class time. Your active participation is crucial to the success of the class.
- **Exams:** There will be three exams: two in-class midterms and a final exam. The midterms are tentatively scheduled for *Friday, February 7* and *Friday, April 4*. The final exam will be *Saturday, May 10 at 9am*, location TBD.

GRADING

- Homework: 15%
- Class Participation: 10%
- Midterm 1: 20%
- Midterm 2: 20%
- Final Exam: 35%

MAKE UPS, MISSING CLASS, ETC.

If you miss class, it is your responsibility to get notes from a classmate. No late homeworks will be accepted. A make up exam is never guaranteed and will only be given in extenuating circumstances. Should you need a make up exam, give as much notice as possible and provide appropriate documentation (e.g. a note from a doctor or dean). **Please keep exam times in mind when making travel plans.**

GETTING HELP

To get the most out of this class, it is important that you ask questions when you have them and get all the help you need. Here is a list of suggestions and resources.

- **Ask questions during class.** You are strongly encouraged to ask questions during class. Don't be afraid to look stupid; chances are someone else has the same question.
- **Come to office hours.** Office hours are great for getting more one-on-one help. Come ask questions about homework, past exams, or topics from class.
- **Go to free tutoring.** Free tutoring is offered in Carney Hall, Room 309. Undergraduate math majors (who might even be your graders!) are available to give help on a first-come, first-served basis. You can also sign up for tutoring at the Connors Family Learning Center in O'Neill Library.
- **Form study groups.** Your peers are a wonderful resource. Explaining your work to others will help you to learn the material better, while helping your classmates too. It's win-win! Just be sure to write solutions up on your own.

ACADEMIC HONESTY

Collaboration on problem sets is encouraged, but solutions must be written up individually. Books, notes, calculators, and other aids will not be allowed on any exams. You are expected to follow Boston College's Policies and Procedures regarding Academic Integrity. Any violation of BC's codes or class policies will be handled in accordance with BC's policies, outlined at <http://www.bc.edu/integrity>