

MATH 6: CALCULUS WITH ANALYTIC GEOMETRY

COURSE SYLLABUS

SPRING 2012

CONTACT

Instructor: Li-Mei Lim
Office: KH 018
Email: llim@math.brown.edu
Website: math.brown.edu/~llim
Office Hours: TBD

COURSE DETAILS

The course will meet MWF 9am in BH 157. Generally, homework will be due on Wednesdays and quizzes will be on Fridays. In addition, Fridays will be “recitation days,” where we will answer questions from the week and do extra practice exercises.

TOPICS TO BE COVERED

We will use the same textbook as Math 5, *Calculus I with Precalculus*, third edition by Ron Larson et al., and cover chapters 6, 8, 9, 10, and 11.

REQUIREMENTS

- **Homework:** Homework will be given weekly and will generally be due on Wednesdays. Odd-numbered problems, whose answers can be found in the back of the book, will be graded for completeness only and will be worth 2 points each. You should verify your own answers to check comprehension before going on to the even-numbered problems. Even-numbered problems will be graded for correctness, and will be worth 4 points each. You must show your work to receive full credit, on both odd and even numbered problems. If you work with classmates, please list the names of your collaborators on your assignment. *No late assignments will be accepted.*
- **Quizzes:** There will be weekly quizzes, generally given on Fridays in class. *No make-up quizzes will be given.*
- **Exams:** There will be three exams: two in-class midterms and a final. Midterms are tentatively scheduled for February 22 and March 21. The final exam is on May 14, 2012 at 2pm.
- **Attendance:** While attendance is not technically required, you are strongly encouraged to attend all classes. You are responsible for getting notes from a classmate if you miss class.

GRADING

This class is Pass/No Credit for all students. Final grades will be determined using the following breakdown:

- Homework: 20%
- Quizzes: 15%
- Midterm 1: 20%
- Midterm 2: 20%
- Final Exam: 25%

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 quizzes and exams, or topics from class.
- **Read the textbook.** The textbook is filled with examples. Maybe one will answer your question. When reading, try taking notes, highlighting, and writing down questions to ask in class or in office hours to make the most of your time.
- **Go to MRC.** The Math Resource Center (MRC) is held in Kassar 105 Monday through Thursday 8-10pm. It is staffed by grad students and advanced undergrads who can help you with your homework or clarify points from class. Be aware that some nights can be very busy, so start your homework early. See math.brown.edu/mrc for more information.
- **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 you must list the people you worked with. Books, notes, calculators, and other aids will not be allowed on any quizzes or exams. You are expected to follow Brown's Academic and Student Conduct Codes. Any violation of Brown's codes or class policies will result in automatic failure in this class and may result in further action.