MATH 15100 (SECTION 51)  
CALCULUS I, FALL 2014

Instructor: Jeffrey Manning  
Email: jmanning@math.uchicago.edu  
Office: Eckhart 17 (in the basement)  
Office hours: TBA  
Class Website: http://math.uchicago.edu/~jmanning/Teaching/Ma15100_Fall14/  
VCA: Audrey Mang

Lectures: 12:30-1:20 MWF at RO 011  
Problem Session: TBA

Textbook: Calculus: One Variable by Salas, Hille, Etgen. Tenth edition. We will roughly cover the first four chapters

Course description: This course will primarily cover limits, continuity and differentiation. In addition to the computational aspects of these topics, we will be emphasizing rigorous definitions and proofs. Students will be expected to construct proofs for certain statements on their homework and exams.

Homework: Homework sets will be assigned (almost) every week on Wednesday, and will be due at the start of class the following Wednesday. Problem sets should be stapled and written legibly (or typed). In addition, solutions should be clear and well-organized. The grader may impose a 10% penalty for solutions, which are otherwise correct, but are lacking in clarity. Students are encouraged to work in groups when solving the problems, but solutions must be written up independently. A good rule of thumb is that you should be able to explain every step of each solution that you hand in.

Late homework policy: Each student will be permitted one two-day homework extension per term, with no penalty. This means that if the homework was originally due on Wednesday, you would be allowed to turn it in during class on Friday. If you wish to use this extension, you must notify me via email before the homework set is due. Additional extensions, or longer extensions, will only be granted in exceptional circumstances, and must be requested in advance.
**Midterms:** There will be two in-class midterms, probably occurring during 4th week and 8th week. Their (tentative) dates are:

- Midterm 1: Friday, October 24th (Week 4)
- Midterm 2: Friday, November 21st (Week 8)

Students who perform poorly on the first midterm will be encouraged to switch to the 130s track.

**Midterm corrections:** After you receive your graded midterms, you will have the opportunity to submit correct solutions to the problems you missed. You should think of this as an opportunity to earn back (some of) the points you lost. You may treat this like a regular homework assignment – in particular you may get help from me, or from other students. Your score on this assignment will never be lower than your score on the corresponding midterm. If you chose not to submit this assignment, your score will be equal to your midterm score.

**Quizzes:** There will be a short (about 10 minutes) in-class quiz on most Fridays. Your lowest quiz score will be dropped.

**Final Exam:** There will be a two-hour final exam taking place at the end of the term. The precise date and time of the exam is set by the university, and is beyond my control. The final exam for this term will take place on **Tuesday, December 9th from 4pm-6pm.**

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<th>It is the policy of the Department of Mathematics that the following rules apply to final exams in all undergraduate mathematics courses:</th>
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<td>- The final exam must occur at the time and place designated on the College Final Exam Schedule. In particular no final examinations may be given during the tenth week of the quarter, except in the case of graduating seniors.</td>
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<td>- Instructors are not permitted to excuse students from the scheduled time of the final exam except in the cases of an Incomplete.</td>
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**Grading policy:**

- Homework: 20%
- Quizzes: 5%
- Midterm 1: 15%
- Midterm 2: 15%
- Midterm Correction 1: 5%
- Midterm Correction 2: 5%
- Final Exam: 35%