MATH 104: Calculus I Active learning

Instructor: Lechao Xiao
Lecture: TTH 1:30PM-3:00PM, DRLB 3N1H
Office: 3N4C
Email: xle@math.upenn.edu
Office Hours: Wednesday 12:30 - 1:30pm and by appointment.

Course assistant: Jeremiah Keenan
Office hours: 6:15-7:15pm at DRLB 3W8
Email: jkeenan@sas.upenn.edu

Textbook: Thomas' Calculus Early Transcendentals Custom Edition for the University of Pennsylvania Pearson 2014 with *MyMathLab access code.*

Course Website: Course materials/communications will be posted on Canvas:
https://canvas.upenn.edu/courses/1309263

Prerequisites: Math 103 or permission of the instructor.

Course Description: Brief review of High School calculus, applications of integrals, transcendental functions, methods of integration, infinite series, Taylor's theorem, and first order ordinary differential equations. Use of symbolic manipulation and graphics software in calculus. For further info see: http:// www.math.upenn.edu/ugrad/calc/m104/syllabi/math104syllabus.pdf

Grading policy: Your grade for the course will be determined based on the following factors:

1. 10% MyMathLab
2. 10% Written HW
3. 10% Quizzes (weekly, in recitation)
4. 10% Class attendance (Physically and mentally)
5. 15% Each midterm (30% in total)
6. 30% Final exam

Homework: There are two types of homework: online HW and written HW. The online HW is available at MyMathLab and is graded automatically. The course ID is **xiao75214**. The written

HW should be turned in before Tuesdays lecture. No make-up homework, however, you will be allowed to drop your lowest grade.

Quizzes: There will be weekly quizzes on Mondays during recitations. The worst 2 quizzes will be dropped. The first quiz will be in week 3.

Pre-Class Reading:. Everyone should prepare to the next lecture by reading the book, watching lecture videos online. Guidelines about preparing for class can be found on Canvas.
Lecture videos: https://www.math.upenn.edu/ugrad/calculus-videos/pennmathvideos.html
Exams: There will be two in-class midterm exams and one common final exam. Please let me know within the first two weeks if you have a conflict with any of these dates. Absence from an exam is a serious problem. Depending on circumstances, you may or may not be allowed to make up a missed midterm exam.

The policy for all midterm exams is that students are allowed to bring one 8.5" by 11", **handwritten** sheet of paper (one side) of formulas. Calculators are not allowed on any exam. The final exam will be cumulative (covers all material), common (all Math 104 students take the same exam) and take place on May 5th.

1. First Midterm Exam: Feb 16th, Tuesday, in-class.
2. Second Midterm Exam: Mar 22nd, Tuesday, in-class.
3. Calculus Common Final Exam: May 5th, Thursday, 12PM - 2PM.

Curve The curve will be taken in all 104 calculus sections.

Calculus start-up program A bit rusty on your calculus skills? The Calculus Start-up Program is a set of review sessions designed to give you a refresher. Times and locations can be found at http://www.vpul.upenn.edu/tutoring/calculusstartup.php.

Calculus help: If you are having difficulties with the material, **DO NOT WAIT** until you get a low score on an exam or you receive a **Course Problem Notice** from me. Please seek help **IMMEDIATELY** by

1. My office hours and TA's office hours
2. Calculus Help at Penn: https://www.math.upenn.edu/ugrad/calc/help/help.html
3. Free tutors: http://www.vpul.upenn.edu/tutoring/
4. Private tutors: http://www.math.upenn.edu/ugrad/tutors.html

Students with Disabilities: Please dont hesitate in contacting SDS:
http://www.vpul.upenn.edu/lrc/sds/.

Code of Academic Integrity : The following is from the Universitys website on academic integrity "Since the University is an academic community, its fundamental purpose is the pursuit of knowledge. Essential to the success of this educational mission is a commitment to the principles of academic integrity. Every member of the University community is responsible for upholding the highest standards of honesty at all times. Students, as members of the community, are also responsible for adhering to the principles and spirit of the following Code of Academic Integrity

found here http://www.upenn.edu/academicintegrity/ai_codeofacademicintegrity.html If a student is unsure whether his action(s) constitute a violation of the Code of Academic Integrity, then it is that students responsibility to consult with the instructor to clarify any ambiguities."