MATH 1271-40 CALCULUS 1

Spring 2015

Instructor:	Jed Yang	**Lecture:**	MWF 13:25–14:15
Email:	`jedyang@umn.edu`		Fraser Hall 102
Office:	Vincent Hall 203B	**Office Hours:**	MW 14:20–15:50
Phone:	612-625-7860		or by appointment

Discussion sections:

Section	TA	Time	Location
41	Haoran Chen	Tu, Th 13:25–14:15	Ford Hall 115
42	Pak Yeung Chan	Tu, Th 13:25–14:15	Peik Hall 315
43	Gabriela Jaramillo	Tu, Th 13:25–14:15	Akerman Hall 327
44	Pak Yeung Chan	Tu, Th 14:30–15:20	Peik Hall 315
45	Jung Heon Song	Tu, Th 14:30–15:20	Lind Hall 229

Course website: `http://math.umn.edu/~jedyang/1271.15s/`

Text: J. Stewart, *Calculus: early transcendentals*, edition 7E.

Sections covered: 2.1–2.8, 3.1–3.6, 3.9–3.10, 4.1–4.5, 4.7–4.9, 5.1–5.5, 6.1–6.3, 6.5.

Grading policy:
- Midterm exams 1–3 (15% × 3)
- Final exam (40%)
- Quizzes (15%)

The final grade distribution for each discussion section will be determined by its students' performance on the common final exam. An individual student's final grade within that distribution depends on all of the work of the course.

Calculator: Only scientific calculators will be allowed during quizzes or exams. Cellular phones and other Internet-enabled devices may not be used for the purpose.

Homework and quizzes:
- Homework will be assigned for every lecture. It will not be collected.
- There will be a quiz (nearly) every Thursday. Quiz problems will be based on the homework. The 3 worst quiz scores will be dropped.

Exams (tentative):

Midterm 1:	Thursday, February 19, in discussion.
Midterm 2:	Thursday, April 2, in discussion.
Midterm 3:	Thursday, April 30, in discussion.
Final:	Monday, May 11, 13:30–16:30, location TBA.

Missing an exam is permitted only for very serious and unavoidable extenuating circumstances, and only if you notify the lecturer *in advance*.

Tutoring: Free walk-in tutoring is available through the SMART Learning Commons Peer Learning Consultant (PLC) program; see `http://smart.umn.edu` for detailed information.

The Undergraduate Office in the School of Mathematics maintains a list of private tutors available for hire.

Credits: 4.

Prerequisites: Mastery of pre-calculus topics, such as trigonometry, algebra, analytic geometry, and functions. One can demonstrate this mastery via (i) four years of high school mathematics, including trigonometry, (ii) a grade of C− or better in MATH 1151 or 1155 or their equivalent, or (iii) sufficient score on the calculus readiness placement test.

If you are not sure whether your preparation is sufficient, please contact the lecturer about it as soon as possible.

Liberal education: This course fulfills the Mathematical Thinking component of the Liberal Education requirements at the University of Minnesota. An important part of any liberal education is learning to use abstract thinking and symbolic language to solve practical problems. Calculus is one of the pillars of modern mathematical thought, and has diverse applications essential to our complex world. In this course, students will be exposed to theoretical concepts at the heart of calculus and to numerous examples of real-world applications.

Academic dishonesty: See the Student Conduct Code, a link to which is posted on the course website, for general information. Academic dishonesty, including use of an unapproved electronic device, will result in a report to the Office for Student Conduct and Academic Integrity, and penalties can include a grade of zero on the task in question and/or a failing grade in the course.

Other policies: A link to other policy statements—including statements about equal opportunity, disability accommodations, and mental health resources—appears on the course website above. If you have a letter detailing accommodations, notify the lecturer and your TA as soon as possible.