M408C - Fall 2016 - First day handout

Unique Numbers: # 53405 / # 53410 and # 53475 / # 53480.

Instructor: Thomas Chen
Office: RLM 12.138 (no carry).
Office hours: Fridays 2-3 pm.
Email: tc@math.utexas.edu

Course website: https://www.ma.utexas.edu/users/tc/408C-F16.html

M408C classes meet three hours per week for lectures, and two hours per week for problem sessions.

Lectures

- Unique # 53405 / # 53410: TTH 9:30 AM - 11:00 PM in CPE 2.208.
- Unique # 53475 / # 53480: TTH 12:30 PM - 2:00 PM in WAG 101.

TA sessions

- Unique # 53405: MW 8 - 9 AM in CPE 2.212. Engineering Labs on Mondays.
- Unique # 53410: MW 3 - 4 PM in CPE 2.210. Engineering Labs on Mondays.
- Unique # 53475: MW 8 - 9 AM in RLM 6.104. Engineering Labs on Wednesdays.
- Unique # 53480: MW 1 - 2 PM in JGB 2.218. Engineering Labs on Mondays.

Engineering Labs will be held in the following weeks (at the same locations as your TA session):

Weeks of Aug. 29, Sept. 12, Oct. 24, Oct. 31, and Nov. 7.

More Lab weeks will be announced. Preparatory modules on Quest will be available on the Thursday preceding a Lab week, and are due before 8 AM on the corresponding Monday.

The Engineering Labs will be counted towards your HW grade as follows:
- You have to complete the preparatory module before the deadline, and
- You have to attend to the presentation in the TA session (presence will be taken; you just have to go to your regular TA session room).
This earns you 10 points per lab, in the same way as a regular HW assignment.

TA office hours

All TA office hours are held at **CalcLab:**

Mondays through Fridays, PCL STEM Study Center, Learning Spaces 1-2 (Perry-Castenda Library, 1st floor)

For the detailed weekly schedule, please see here:

https://www.ma.utexas.edu/academics/undergraduate/calculus-lab/

CalculusLab is an "office hour pool". It is a space that operates for approximately twenty-five hours per week, every weekday. It will always be staffed by several graduate TAs and undergraduate LAs (Learning Assistants). Students from any calculus class can attend whenever it is open, to get assistance with homework, test preparation, etc.

Course description and prerequisites

The syllabus for M408C includes most of the basic topics in the theory of functions of a real variable: Algebraic, trigonometric, logarithmic and exponential functions and their limits, continuity, derivatives, maxima and minima, integration, area under a curve, and volumes of revolution.

This course carries the **Quantitative Reasoning flag**. Quantitative Reasoning courses are designed to equip you with skills that are necessary for understanding the types of quantitative arguments you will regularly encounter in your adult and professional life. You should therefore expect a substantial portion of your grade to come from your use of quantitative skills to analyze real-world problems.

For information on prerequisites, please see

https://www.ma.utexas.edu/academics/courses/syllabi/M408C.php

For important dates, please see the the academic calendar at

http://registrar.utexas.edu/calendars/16-17

Syllabus

Textbook: Stewart Calculus, Early Transcendentals: *Seventh Edition* or the *UT Special Edition*.

It is available at the University Co-op, including eBook access.

A tentative schedule of the lectures is provided on the course website. We will cover a big portion out of chapters 1-6 in the textbook. It is your responsibility to keep track of any changes as the semester progresses. **Participation at lectures and TA sessions is required.** There will be random attendance checks.

In addition, you can find video lectures on the topics above at the UT Calculus page, links are provided on the course website.

Homework

There will be weekly homework assignments posted on Quest

https://quest.cns.utexas.edu/

To submit, you must enter your answers in Quest. The usual format will be multiple choice. Quest will immediately tell you if your answer is correct or not. You are allowed multiple tries, but there will be a reduction of points after each unsuccessful attempt. **There will be absolutely no acceptance of any late submissions. The deadlines posted on Quest are definite, and sharp to the minute.** Usually, the homework will be due at 11:59 PM (one minute before midnight) on Fridays.

Exams

There will be two in-class exams on the following dates, during regular class hours, in the regular class room:

- **MIDTERM EXAM I** on Thursday, September 29, 2016.
- **MIDTERM EXAM II** on Thursday, November 17, 2016.

Please save these dates, **there will absolutely be no make-up exams !** Should you miss a midterm exam, your grade for the final exam will be used for it. However, this policy does not apply retroactively (the final does not replace a midterm that you did submit).

The final exam is scheduled by the University. Please note that the dates depend on the unique numbers !

- **FINAL EXAM Unique # 53405 / # 53410:** Thursday, December 8, 2:00-5:00 pm. Location: TBA.

- **FINAL EXAM Unique # 53475 / # 53480:** Thursday, December 8, 9:00-12:00 noon. Location: TBA.

It is implicit in your registration for this class that, barring some unforeseen calamity, you affirm to be present to take the final examination at this time.

For all exams, the format is multiple choice with no partial credits. However, there will be a curve applied to determine the grades.

Grading

The class grade will be determined as follows:

Homework and Engineering Labs: 25 percent
Midterm Exam 1: 20 percent
Midterm Exam 2: 20 percent
Final Exam: 35 percent

The range of letter grades to be distributed is as follows:
A, A-, B+, B, B-, C+, C, C-, D, F
There will be a curve adapted to the outcome of each midterm exam, and of the final exam.

Tutoring

The UT Learning Center offers tutoring services to calculus students. Some resources are posted online on their website
http://www.utexas.edu/student/utlc/learning resources/

UTLC also offers Drop-In Tutoring, a free, walk-in study environment supported by mathematics tutors. Additionally, they offer appointment tutoring, consisting of one hour, individualizing tutoring sessions for a fee. For detailed information, please see

http://www.lifelearning.utexas.edu/l_grouptutoring.html

Special Accommodations and Support

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities.

For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Moreover, should you become very stressed and overwhelmed, please consider

contacting the following service:

Counselling and Mental Health Center
Student Services Bldg (SSB), 5th Floor
Hours: M–F 8am–5pm
Phone: (512) 471 3515
www.cmhc.utexas.edu