

M w408C – Differential and Integral Calculus

Lecture: MW 10:00-11:30am and TTH 10:00-11:00am in RLM 5.104 (June 15 to August 13, 2009)

Discussion Sections: TTH 1:00-2:30pm in RLM 7.104 (unique #91430)
TTH 2:30-4:00pm in RLM 6.116 (unique #91440)

Instructor: Jason Callahan

Office Hours: MW 11:30-1:00pm in RLM 10.108

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TA (unique #91430): Jin Hyuk Choi

Office Hours: TTH 11:00-12:30pm and W 8:00-10:00am in RLM 9.132

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TA (unique #91440): Kyudong Choi

Office Hours: M 3:30-5:30pm and TTH 4:00-5:30pm in RLM 10.142

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Text: *Calculus*, Sixth Edition, by James Stewart.

Course Description: Introduction to the theory and applications of differential and integral calculus of functions of one variable; topics include limits, continuity, differentiation, the mean value theorem and its applications, integration, the fundamental theorem of calculus, and transcendental functions.

Prerequisite: A score of at least 560 on the SAT Mathematics Level I Test or M 305G or 505G with a grade of at least C.

Note: Only one of the following may be counted: M 403K, 408C, 408K, or 308K. Students who score less than 600 on the Mathematics Level I Test are advised to take M 305G or 505G before taking M 408C. Moreover, M 408C/D is the “fast” calculus sequence for students with good algebra skills; students who cannot maintain the pace are encouraged to take the M 408K/L/M sequence.

Grades: A – 90-100%, B – 80-89%, C – 70-79%, D – 60-69%, and F – 0-59%, based on:

- 20% – homework: problems will be assigned everyday in class and due in the discussion section for which you are registered on Tuesday of the following week; to be accepted and graded, all solutions must be complete, well organized, and written neatly.
- 35% – midterm exam: in the discussion section for which you are registered covering approximately the first four chapters of the text.
- 45% – final exam: cumulative and tentatively scheduled by the registrar for 2:00–5:00pm on Saturday, August 15; location to be determined by the registrar.
- Intangibles such as conscientious class attendance and participation will be taken into consideration for borderline cases.

Advice: This is a difficult course. We have a lot to cover in nine weeks, so we’ll move quickly (at least one section per day); you can’t afford to fall behind. You should devote several hours everyday to working through your lecture notes and on homework problems; starting them the day they’re assigned will allow you to ask about them in discussion section before they’re due. If you must miss a class, carefully work through a copy of someone else’s notes to ensure that you understand the material. Between lectures, discussion sections, and office hours, you have 24 hours each week to interact with either me or a TA. Everyone is also eligible for at least 5 free hours of appointment tutoring at the UT Learning Center in Jester A332A. If all else fails (no pun intended), the last day to drop the course is Friday, August 14.

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, 471-6441 TTY.