

MATH 408N Calculus I B

Spring 2012

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Office Hours: Tuesdays, 11:00-12:00; Wednesdays, 1:00-3:00

Textbook

Calculus, Early Transcendentals, 7e by James Stewart

Course Overview

The purpose of this course sequence is to prepare students for calculus courses (M408S and M408L). Introduction to the theory and applications of differential calculus of one variable; topics include limits, continuity, differentiation, mean value theorem and applications. This course is designed to include the same content covered in a traditional Calc I one semester course over two long semesters. The pace will allow for extended time on each topic as well as in class time reviewing needed pre-calculus topics, in particular exponential, logs, and trigonometry. This course is ideal for strong students who have not had a previous course in Calculus and/or strong students who feel their pre-calculus background is weak. This course is not designed for students scoring below 65% on their ALEKS placement exam. If you did not make a C- or above in the first half, you will be dropped from this course.

Grade Distribution

Exams 80%
Homework 15%
Class Prep 5% (see below)

Important Dates:

If you drop a class on or before February 1, the class will not show up on your transcript. If you drop a class after that date, the course will show up on the transcript with a Q grade. After April 2, it is not possible to drop a course except for extenuating (usually non-academic) circumstances.

Calculator Policy

The exams will be without pocket calculator. If you decide to use a graphing calculator while making exercises in class or at home, do so only to verify already obtained results. The problems will be adapted to this restriction, e.g. you will never be expected to multiply 1.2305 and 0.9746 on an exam as this would take way too much time.

Weekly Bookwork (5%)

There is a book assignment due at the beginning of each Monday discussion period. Although it is expected that you arrive to discussion on time, you will have a 10 minute grace period. If you are more than 10 minutes late to discussion, your homework will not be accepted.

Quest Assignments (10%)

Each week you will have two Quest homework assignments. Quest is an online homework server that you will access with your UTEID. I will drop a few of each at the end of the term. This is to protect you if you miss a deadline FOR ANY REASON. Once a deadline is missed, I cannot reopen it. The most common error is a student forgetting to input their answers into Quest. Because of the system settings, I cannot reopen the assignment. Save your drops for situations just like this, illnesses, and family emergencies. If you ask me for an exception, I will give you a frowny face.

1. Drill Assignment due each Wednesday at 11:59 pm (Texas time) (5%)
2. Challenging Assignment due each Friday at 11:59 pm (Texas time) (5%)

Class Prep (5%)

Each weekend, you will be assigned a series of videos and/or readings to watch/read prior to class. These videos will be housed in Quest and are approximately 8 to 9 minutes in length. They will cover material that we will discuss in class that day. At the end of each video there will be some questions you must answer online for a grade. They are to test your understanding of the videos and or the reading from the text. This is a very important exercise as I will not re-lecture over this material in class. In class we will spend our time working through problems and extending the ideas.

Exams (80%)

There will be two in class exams. The exams will contain both Quest problems and free response. The schedule for the exams are as follows:

- Exam 1: Tuesday, 2/28/2012
- Exam 2: Tuesday, 4/17/2012
- Final Exam: Thursday, 9-12, 5/10/2012

Schedule and Topics Covered

Schedule

Grading Scale

I do not grade on a plus/minus scale.

Missed Exam Policy

I will replace your lowest test grade with the final exam grade. If you miss an exam FOR ANY REASON then the final exam will count in place of the missed exam. This means the final exam will count 55%. Please note that the final exam is usually harder than any of the class exams. If you miss more than one exam, it is strongly advised that you drop the course.

Email Communication

Email is a great way to communicate with me. However, I do not generally check my work email after 5 pm. I do, however, check it each morning around 4 am. Remember that a well crafted email is not like a text message. <http://www.101emailtippettips.com/>

Quest Costs

This course makes use of the web-based Quest content delivery and homework server system maintained by the College of Natural Sciences. This homework service will require a \$22 charge per student for its use, which goes toward the maintenance and operation of the resource. Please go to <http://quest.cns.utexas.edu> to log in to the Quest system for this class. After the 12th day of class, when you log into Quest you will be asked to pay via credit card on a secure payment site. You have the option to wait up to 30 days to pay while still continuing to use Quest for your assignments. If you are taking more than one course using Quest, you will not be charged more than \$50/semester. Quest provides mandatory instructional material for this course, just as is your textbook, etc. For payment questions, email quest.fees@cns.utexas.edu.

Students with Disabilities

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.