

Calculus I – Math 2144
Fall 2010 Section 012

Faculty: Prof. D. Alspach, MS 529 or 402C (inside MS 401), 744-5688.

Electronic Access: If you need to reach me, one of the best ways is by electronic mail. For regular correspondence regarding the course use the mail facility built into D2L. For other correspondence my address is alspach@math.okstate.edu. I will be providing some information on D2L. To access D2L go to <http://oc.okstate.edu>. You will need your O-Key username and password. I will also use D2L to communicate with the class as a whole by posting discussion messages. You should log on to D2L at least every other day. I am not planning to use the D2L gradebook. Grade information will be kept in WebAssign.

Office Hours: 10:30-11:30 MWF in MS 529; other times by appointment.

Text: James Stewart, *Calculus, Early transcendentals, 6e*, OSU Custom Edition, Chap. 1-7. We will cover about three sections each week. It will help you to stay current if you read the section before the corresponding lecture. Even though you will probably not understand everything, by reading the section you will have a context for the lecture and will be able to ask questions about the parts you did not understand. Also I will not necessarily cover everything in each section and my way of covering some material may differ from that of the author.

Calculators: A scientific calculator or computer will be necessary for some homework problems, but calculators and laptop/palntop computers will not be permitted during tests. Answers should be given in exact form unless a numerical approximation is specifically requested. For example, if $e^{\sqrt{2}x}$ is the exact answer, an answer of $e^{1.414x}$ will not be given full credit. One point of this course is to give you some insight into the mathematics upon which sophisticated calculators are based. Also knowing the difference between an approximation and an exact result is important in evaluating the reliability of results.

Examinations: There will be three in-class exams and a comprehensive final exam. If you must miss a scheduled exam, you must contact me **before** the exam. A make-up exam will be given only if missing the exam was unavoidable due to serious illness or injury or similar circumstances. (Travel plans, cheap airline tickets, etc, do not qualify.) Exams will be at approximately four week intervals. The first exam will be on Wednesday, September 22. The final exam will be Friday, December 17, at 8:00 a.m.

Homework: Almost all of your homework will be online graded homework assignments in WebAssign. I will collect a few problems that I will grade myself. Online homework will have firm deadlines for submission. You will need to self-enroll in WebAssign using class code **8097 4537** and institution **okstate**. If you took the placement exam during the past summer, you have already used WebAssign and have an account using your OKey short username. The location of the WebAssign login and registration is <http://www.webassign.net/login.html>. See the links to additional pages on homework and WebAssign for details on the use of WebAssign: <http://www.math.okstate.edu/webassign> The number of points in any given assignment will vary and there will be a few hundred points total in WebAssign. The

homework total will be normalized to 200 points for incorporation into the grading scheme.

I am also including some optional homework and tutorials in WebAssign. The tutorials usually contain videos which explain a few examples from the textbook and a few expanded questions with intermediate steps. These may help when you are reading a section, studying or are stuck on some homework problem. I will award up to 20 bonus points for the optional items. (The optional point total will be normalized to 20.) After a homework deadline has passed, solutions will be displayed and the assignments will be available for additional practice

Class Attendance: I will take attendance beginning with the second week of class. I will allow four absences without penalty. Additional absences will result in a 3 points per absence deduction from total points. The maximum deduction will be 30 points.

Note: Signing the attendance sheet for a student who is not present is academic dishonesty.

Help: I am available during my office hours and other times can be arranged. There are tutors at the MLRC who can help you. Remember to use the tutors to help you learn, NOT to do the work for you.

Grading: When I grade a paper I am looking for more than just answers. This course is about correct processes for solving problems and understanding of concepts. A correct answer with little or no supporting work may be given little credit. You should use sentences to define any unknowns and indicate units as appropriate. I will post some model solutions on D2L so you can see what I want. On tests it is important to clearly indicate what is scratch work and what is to be graded. In particular the answer to a computational problem should be indicated either by the word **Solution:** or by drawing a rectangle around the answer.

	Points	Grade	Points Needed
3 Exams (50 min.)	300	A	630-700
Comprehensive Final	200	B	560-629
Homework	200	C	490-559
	—	D	420-489
Total points	700	F	0-419

There will not be any special deals for individual students, etc.

Curving: The only curving that will be done is that a linear adjustment (Adjusted Score = Scale Factor \times Raw Score + Offset) may be made to all scores on a particular exam. I reserve the right to decide borderline cases based on subjective impressions of effort, conscientiousness, etc.

Drop Policy: Before November 12 a student may drop with an automatic "W". A student may drop the class with a "W" or "F" for two weeks after that if there are certain extenuating circumstances. (This is a **restrictive drop period** requiring a petition approved by your advisor and college dean or withdrawal from all courses.)

Above are the specifics for this class. There are general guidelines for all classes which cover academic misconduct, students with disabilities, and so forth. See the University Syllabus Attachment, <http://osu.okstate.edu/acadaffr/aa/PDF%20Files/SYLATFA.pdf> for additional rules and information.