Calculus II
Math 2153
Spring 2012

Faculty: Prof. D. Alspach, MS 529, 744-5784.

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 the Online Classroom website software 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 announcements and 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: 2:30-3:20 MWF, other times by appointment.

Text: James Stewart,*Calculus, Early Transcendentals, 6e*, Chap. 7, 8, 11, 12. We will cover two or 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.

Prerequisites: Credit for Math 2144, Calculus I. Students who have credit for Math 2144 with a grade of D should consider withdrawing and retaking Math 2144. Success rates for students with grades lower than C in prerequisite courses have been low.

Calculators: A scientific calculator or computer will be necessary for some homework problems, but calculators, tablets and laptop/palmtop 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.

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.) Tentatively the exams will be on February 13, March 16 and April 20. The final exam will be Monday, April 30, at 10:00 a.m.

Homework: Almost all of your homework will be online graded homework assignments in WebAssign. On the day that an assignment is due in WebAssign, complete written solutions to some of the problems in WebAssign will also be due. Look in the instructions at the top each assignment for a list of solutions to submit. I will look at your solutions and grade the work for one or two problems. Online homework will have firm deadlines for submission. You will need to self-enroll in WebAssign using class code **0381 0351** and institution okstate. If you took the WebAssign based placement exam or were enrolled in Math 2144 at OSU, you have already used WebAssign and have an account. The location of the WebAssign login and registration is http://www.webassign.net/login.html. Click on "I have a class key". 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 WebAssign homework total will be normalized to 150 points and each written assignment will be given five points and the total will be normalized to 50 points for incorporation into the grading scheme. I am also including some 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. The tutorials and the reviews are optional and are not included in the grading scheme. After a homework deadline has passed, solutions will be displayed and the assignments will be available for additional practice. For this reason late assignments will not be accepted.

Homework Format: Use standard size (8.5 by 11 inch) paper. **Write the statement of each problem.** Then neatly write the solution. A solution should be easy to understand. Any variables introduced should be clearly defined. A few words of explanation can make lines of calculation much clearer. If a graph is part of a solution, the scale and axes labels should be clear. Important features should be labelled.

Class Attendance: I will take attendance beginning with the second week of class. Attendance will count toward a 20 point bonus. I will allow four absences without penalty. Additional absences will result in a four point per absence deduction from the bonus 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. When I give an example in class, I will usually write such things on the board to give you a model to follow. (Remember though that sometimes because of time pressure I will only say the complete sentences.) If you get an answer which does not seen reasonable, you may receive some credit for explaining why the answer you computed seems wrong. On tests it is important to clearly indicate what is scratch work and what is to be graded.

	Points	Grade	Points Needed
3 Exams (50 min.)	300	A	630-700
Comprehensive Final	200	B	560-629
Online Homework	150	C	490-559
Written Homework	50	D	420-489
	—	F	0-419
Total points	700		

Curving: The only curving that will be done is that a linear adjustment (Adjusted Score = Scale Factor × 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 April 6 a student may drop with an automatic "W". A student may drop the class between April 6 and April 20 with a "W" if he/she has accumulated 50% of the points available to date and 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://academicaffairs.okstate.edu/images/documents/sylatspr.pdf for additional rules and information.