MATH 2144: Calculus I, Section 011
Fall 2014

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Class Meeting: MTWF 2:30-3:20 PM, HSCI 004
Office Hours: MWF 1:30-2:20, MSCS 523
D2L(Online Classroom): http://oc.ockstate.edu

Prerequisites: A satisfactory score (minimum 70) on the ALEKS placement exam, or a grade of C or better in a college-level course in Trigonometry or Pre-Calculus.

Required Materials: (1) Textbook: *Calculus: Early Transcendentals*, 2nd edition, by Jon Rogawski, and (2) Online homework system WebAssign (http://www.webassign.net/login.html).

- For Section 011 use WebAssign Class Key: **okstate 3334 7373**.

Calculus deals with functions that relate two varying quantities and the rules that govern the rates at which one of these quantities changes or accumulates with respect to the other. Understanding the calculus enables us to solve many problems in mathematics, science, and engineering. Our aim in this course is to ensure that you understand the concepts and tools of Calculus, that you master the skills required to use those tools, and that you will be able to apply those ideas to solve problems in many disciplines.

Expectations: All students are expected to participate and be involved in class asking and answering questions. During class, there should be **no use of cellphones or laptops**, as these can be distracting. Plan to spend, on average, eight hours *outside of class* on MATH 2144. This includes reading the text, working on problems, discussing questions with others, and making use of the SI sessions, office hours or the MSLC. Should you miss class it is your responsibility for obtaining any handouts and find out about any announcements or assignments you may have missed. You should arrange to borrow a classmate's notes so that you can learn what was covered in class.

Missing Work Policy: I will offer reasonable accommodation in the event that you miss a major assessment activity for a valid and documented reason, assuming documentation is provided in advance unless absolutely impossible. For a quiz or exam, you need to tell me as soon as you know there is a conflict and will be ineligible for a make-up if you do not. If you will not make it to class when homework is due you should turn it in early or get a classmate to turn it in for you.

Supplemental Instruction Sessions: These sessions are designed to help you succeed in this course and will begin in the second week of classes. I encourage you to attend weekly. The times will be determined within the first week of classes.

The Mathematics Learning Success Center (MLSC): The MLSC is on the fifth floor of the Edmon Low Library, and is a great resource. The MSLC has tutors who work with students from Calculus I and help you with your question. Hours for Calculus I tutoring:

- Monday through Thursday from 1:00 PM until 9:00 PM,
- Friday from 1:00 PM until 5:00 PM,
- Sunday from 1:00 PM until 9:00 PM.

Syllabus Attachment: Please read the OSU syllabus attachment on the web from the page: http://academicaffairs.okstate.edu/faculty-a-staff follow the link under Syllabus Attachment for Fall 2014. This has a lot of important information, including instructions about disability accommodations. Please contact me privately during the first week of the course if you need accommodations as the result of a disability.

Any changes to this syllabus will be announced in class and posted on D2L.

Grades: There are two schemes, for each student the one that results in the higher grade will be used:

	Scheme A	Scheme B
3 Hour Exams	15% each	10% each
Final Exam	25%	40%
Diff Gateway	5%	5%
WebAssign	10%	10%
Quizzes and Classwork	15%	15%

Earning a score of 90% guarantees an A for the semester, 80% a B, 70% a C, and 60% a D. These cutoff scores may be lowered if circumstances warrant.

Homework: Homework will be done on WebAssign. You will have assignments typically consisting of five questions per section. For each problem you will have 3 chances to answer without any reduction in score, and then two additional chances with a reduction of 20% each time. I encourage you to keep a notebook for homework where you work out the WebAssign problems, or to print the assignments work through the problems and keep it in a binder.

Quizzes and Classwork: There will be two kinds of quizzes given in this class, standard quizzes and reading quizzes. Standard quizzes consist of several questions over material that has already been covered in class. Standard quizzes will be held every Friday at the end of class unless I announce otherwise during the week.

Reading quizzes will consist of one or two very quick questions about material from the textbook which I am *about* to cover–the intention of these is not to test whether you have attained mastery of the relevant concepts, but merely to test whether you have read the section I am about to cover. They will occur more frequently but be worth fewer points. They will always be announced during the previous class period.

Occasionally, without announcement, I may hand out a project to be completed in class. These will be worth about as much as a standard quiz.

Differentiation Gateway: This is designed to ensure that you master the skills of differentiation. It is a **no partial credit** quiz, meaning you earn all 5% of the final grade if you answer 6 of 7 questions correctly, otherwise no credit is earned. The differentiation Gateway is scheduled for Monday, October 6th during class. There will be additional opportunities for retakes for those who do not pass on the first attempt, but these will take place outside of class time.

Exams: There will be three Hour Exams in the evenings, and a comprehensive Final Exam for this course:

Exam 1	Thursday, September 18 from 5:30 to 6:30
Exam 2	Thursday, October 16 from 5:30 to 6:30
Exam 3	Thursday, November 20 from 5:30 to 6:30
Final Exam	Monday, December 8 from noon to 1:50

All of your exams will be in **ANSI 123**. For the exams you are allowed a **calculator** (described below) and a 3×5 **note card**.

Calculators: TI 83 and 84 models are permitted on the Hour Exams and the Final Exam. You may **not** use a TI 89, Nspire, or a calculator with a computer algebra system, wireless or internet capability, a QWERTY keyboard, or a camera. If you do not own an allowable graphing calculator, you may borrow one from the Math Department office without charge. Graphing calculators can be a valuable tool, but not a substitute for your own conceptual understanding.

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. Please see the OSU Fall 2014 Syllabus Attachment for more information.

You are encouraged to work and study together, however **all written and online work you hand in must be your own**. Copying someone else's solutions, letting others copy your work is prohibited. Do not cheat. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript (F!), and being suspended from the University.

Drops and Parachutes: The last day to drop a class without a W is Monday August 25th. Within two weeks of the start of classes Dr. Francisco may be able to parachute students to College Algebra, Trigonometry or Precalculus without any grade penalty. Talk with your instructor immediately if you would be more comfortable in one of these classes.