Fall 2014 – Math 2144: Calculus I, Section 008
MTWF 11:30 am – 12:20 pm, CLBN 213

Instructor: Sivaguru Ravisankar (Siva)
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Office Hours: MT 3:30 – 4:20pm
           W 3:30 – 4:20pm in MLSC, or by appointment.
D2L (online classroom): http://oc.okstate.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 (www.webassign.net). WebAssign Class Key: **okstate 5663 1304**

Course Goals: 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 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, master the skills required to use those tools, and be able to apply those ideas to solve problems in many disciplines.

Expectations: All students are expected to come prepared and to participate 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, about eight hours *outside of class* each week on Math 2144. This includes reading the text, working on problems, discussing questions with others, and making use of the SI sessions, office hours and the MLSC. 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.

Missed 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 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) is located in the fifth floor of the Edmon Low Library, and is a great resource. The MLSC has tutors who work with students from Calculus I and help you with your questions. Hours for Calculus I tutoring are:

- Monday through Thursday 1:00 – 9:00 pm;
- Friday 1:00 – 5:00 pm;
- Sunday 1:00 – 9:00 pm.

Grades: There are two grading 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%
Written Homework	7.5%	7.5%
Quizzes	7.5%	7.5%

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: Mathematics is not a spectator sport! To learn Calculus you *must* practice. There are two different aspects to homework.

WebAssign: There will be assignments due twice a week on WebAssign. 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 them in a binder.

Written Assignments: There will be weekly written assignments due at the beginning of class on Tuesdays. These will be more involved exercises and are designed to help you practice writing complete solutions to problems. **If your work is not legible it will not be graded.** Your submitted work must be **stapled** together. Late homework will not be accepted.

Quizzes: We will have quizzes, usually lasting about 15 minutes, in class on Tuesdays. There may be some unannounced quizzes as well.

Differentiation Gateway: This is designed to ensure that you master the skills of differentiation. It is a **no partial credit** quiz, meaning you earn 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 limited 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, 5:30 – 6:30 pm
Exam 2   Thursday, October 16, 5:30 – 6:30 pm
Exam 3   Thursday, November 20, 5:30 – 6:30 pm
Final Exam   Monday, December 8, Noon – 1:50pm

All of your exams will be in **ANSI 124**. For the exams you are allowed a **calculator** (described below) and a **3" x 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.

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 Pre-Calculus without any grade penalty. Talk to your instructor immediately if you would be more comfortable in one of these classes.

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 online work and written 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.

Syllabus Attachment: Please read the OSU syllabus attachment on the web from *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.