

MATH 2144: Calculus I, Section 010/014 Syllabus

Instructor Contact Information

Instructor: Koushik Ramachandran
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Office Hours: WF 10:30-11:30 in MSCS 531
Hour in the MLSC: W 1:30-2:30

Class & Resource Information

Class Meeting: MTWF, 9:30 -10:20 (Section 010) and 11:30 - 12:20 (Section 014)
Class Location: ES 302 and HSCI 004 respectively.
D2L(Online Classroom): <https://oc.okstate.edu/> (Chrome, Firefox, or Safari work best)

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, 3rd edition, by Jon Rogawski, and Colin Adams.

(2) Online homework system WebAssign (<http://www.webassign.net/login.html>).

- For Section 010 use WebAssign Class Key: okstate 1035 2923
- For Section 014 use WebAssign Class Key: okstate 1966 2875.

The Mathematics Learning Success Center (MLSC): The MLSC is on the 5th 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 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, and
- Sunday from 1:00 PM until 9:00 PM.

Calculators: TI 83 and 84 models are permitted for all exams. A TI 89, Nspire, or a calculator with a computer algebra system, any technology with wireless or Internet capability (i.e. laptops, tablets, smart phones or watches), a QWERTY keyboard, or a camera are **NOT ALLOWED** for exams. If you do not own an allowable calculator, you may borrow a calculator for the semester from the Math Department office without charge. Graphing calculators can be a valuable tool, but not a substitute for your own conceptual understanding.

Course Information

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 be active participants in class by asking and answering questions. During class, the use of cellphones, tablets, and laptops is prohibited since these can be distracting. Plan to spend, on average, eight hours each week outside of class on MATH 2144. This includes reading the text, working on problems, discussing questions with others, and making use of office hours and the MLSC. Should you miss class, it is your responsibility for obtaining any handouts and finding out about any announcements or assignments you may have missed. For example, arrange to borrow a classmate's notes so that you can learn what was covered in class.

Missing Work Policy: Reasonable accommodation will be offered 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 you will be ineligible for a make-up if you do not. If you cannot make it to class when a written assignment is due you should turn it in early or get a classmate to turn it in for you.

Syllabus Attachment: Please read the OSU syllabus attachment on the web from the page: <http://academicaffairs.okstate.edu/content/resources-faculty-staff> and follow the link under Syllabus Attachment for Fall 2015. 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 automatically be used:

	Scheme A	Scheme B
Exams 1-3	15% each	10% each
Final Exam	25%	40%
Homework: WebAssign	15%	15%
Quizzes	15%	15%

Determination of Grades

- 90% ≤ A ≤ 100%
- 80% ≤ B < 90%
- 70% ≤ C < 80%
- 60% ≤ D < 70%
- 0% ≤ F < 60%

Homework: To learn Calculus you must practice!

You will have two **WebAssign** assignments each week due Wednesday and Friday. 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. Keep a homework notebook where you work out the WebAssign problems and/or print the assignments problems and keep them in a binder.

Exams and Quizzes:

There will be three one-hour exams in the evenings, and a comprehensive Final Exam.

- Exam 1:** Thursday, September 17 from 5:30 to 6:30 PM
- Exam 2:** Thursday, October 15 from 5:30 to 6:30 PM
- Exam 3:** Thursday, November 19 from 5:30 to 6:30 PM
- Final Exam:** Thursday, December 10 from 4:00 to 5:50 PM

All of your exams will be in EN 108. You are permitted an allowed calculator and a 3×5 note card.

Quizzes: There will be a quiz every Monday (except the first week) towards end of class. The quiz will cover material covered in class the previous week. Each quiz will be worth 10 points. While computing the grades at the end of the semester, the two lowest quiz scores will be dropped.

Academic Integrity & Drops

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct. Please see the OSU Fall 2015 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 24th. 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 to me immediately if you would be more comfortable in one of these classes.