

# MATH 2144: Calculus I, Section 22715

## Syllabus, Fall 2017

### Instructor Contact Information

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Instructor: Koushik Ramachandran  
Email: Koushik.ramachandran@okstate.edu  
Office: MATH 531  
Office Hours: MW 10:30 – 11:30  
Hour in the MLSC: F 2:30-3:30

### Class & Resource Information

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Class Meeting: MTWF 9:30-10:20 and 11:30-12:20  
Class Location: PS 355 and CLBN 213  
Online Classroom: <https://online.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, 3<sup>rd</sup> edition, by Jon Rogawski, and Colin Adams.
- (2) Online homework system WebAssign (<http://www.webassign.net/login.html>).
  - Webassign Class key : **okstate 1277 7562 (for 9:30 section)**
  - **okstate 8768 4607 (for 11:30 section)**

**The Mathematics Learning Success Center (MLSC):** The Mathematics Learning Success Center (MLSC) is located on the 5th floor of the Edmon Low Library. The hours of operation are Sunday 1pm-9pm, Monday-Thursday 9am-9pm and Friday 9am-5pm. Tutoring for Calculus I will be in the West Tutoring Room. Check the MLSC's website (<https://math.okstate.edu/mlsc/>) for information about special tutoring, office hours, and review sessions for your course.

**Calculators:** TI-83 and TI-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 Department of Mathematics office without charge. Graphing calculators can be a valuable tool, but not a substitute for your own conceptual understanding.

### Course Information

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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, that you master the skills required to use those tools, and that you will be able to apply the foundational ideas of calculus 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, you are responsible for what you missed.

**Missing Work Policy:** Your instructor will make reasonable accommodations in the event that you miss a major assessment for a valid and documented reason, **assuming documentation is provided in advance** unless absolutely impossible. For an exam, you need to notify your instructor as soon as you know there is a conflict; 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 access and read the OSU syllabus attachment on the web page: <http://academicaffairs.okstate.edu/content/resources-faculty-staff>. Follow the link under Syllabus Attachment for Fall 2016. This document contains important information, including instructions about disability accommodations. Please contact your instructor 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. The one that results in the higher grade for each student will automatically be used:

	Scheme A	Scheme B
Exams 1-3	15% each	10% each
Final Exam	25%	40%
Homework: WebAssign	15%	15%
Quizzes and Class participation	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 typically have TWO **WebAssign** assignments due every week. 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:**

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

- Exam 1:** Thursday, September 21 from 5:30 to 6:30 PM
- Exam 2:** Thursday, October 26 from 5:30 to 6:30 PM
- Exam 3:** Thursday, November 30 from 5:30 to 6:30 PM
- Final Exam:** Tuesday, December 12 from 12:00 to 1:50 PM

**ALL YOUR EXAMS will be held in ES 317.** You are permitted an appropriate calculator and a 3×5 note card.

**Quizzes:** You will have one quiz every week. Each quiz will be over material covered in class the PREVIOUS week. You will be informed of the quiz a few days in advance so that you will have time to prepare for it. You will occasionally be graded on class participation (attendance and how you participate in class activities).

**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 submit must be your own**. Copying someone else's solutions or 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!), or being suspended from the University.

**Drops and Parachutes:** The nonrestrictive add/drop deadline is Tuesday, August 28th. 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 one of these classes is more appropriate for you.