MATH 2144: Calculus I, Section 006
Syllabus

Instructor Contact Information

Instructor: Dr. Jay Schweig
Email: jayschweig@gmail.com
Office: 433 MSCS
Phone Office: x5690
Office Hours: TF, 12:30-1:30
Office hour in the MLSC: W, 12:30-1:30
(office hours are subject to change)

Class & Resource Information

Class Meeting: 10:30 - 11:20
Class Location: PS 153
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 (2) Online homework system WebAssign (http://www.webassign.net/login.html).

- For Section 006 use WebAssign Class Key: okstate 5971 2618.

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 (401 MSCS) 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:

Items	Scheme A	Scheme B
Exams 1-3 Final Exam Homework: WebAssign Labwork	15% each 20% 15% 20%	10% each 35% 15% 20%

Determination of Grades

$90\% \leq A \leq 100\%$

$80\% \leq B < 90\%$

$70\% \leq C < 80\%$

$60\% \leq D < 70\%$

$0\% \leq F < 60\%$

A slight curve may be applied to the final grade, but you shouldn't factor this in when shooting for a grade (e.g., if you want a B, don't aim for a 79% and hope for a curve!)

Homework:

To learn calculus you must PRACTICE! You will have **WebAssign** assignments due once a week, most likely on Wednesday nights (this may be changed later). 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.

Reading assignments:

In addition to the regular WebAssign assignments, there will be short assignments on WebAssign due before each class period. These assignments should be straightforward as long as you've read the corresponding section(s).

Labs:

Approximately once a week, we will work in small groups on labs that develop the central concepts in the course (these days will usually be on Tuesdays). Attendance and participation is especially crucial on these

days. You will turn in individual write-ups of these class activities and make presentations of your work to the other groups in the class. Labs are due at the beginning of class on the announced due date with no exception as I will usually grade them that afternoon. Type or write all of your work legibly on 8½"×11" paper with at least ONE-INCH margins on all sides free of writing except your name, date, and assignment number, and STAPLE all pages together. Lab preps, which are short exercises whose purpose is to familiarize you with the lab's topic, will be due at the beginning of class on lab days and checked for completion.

Exams:

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 CLBN 102 (note that CLBN is Classroom Building NORTH). You are permitted an allowed calculator and a handwritten 3×5 note card.

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 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!), 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 with your instructor immediately if you would be more comfortable in one of these classes.