

MATH 2144: Calculus I, Sections 001 & 003

Instructor: Dōv Zazkis

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Class Meeting: section 001: 7:30-8:30 MTWF
section 003: 8:30-9:30 MTWF

Office Hours: 9:30-10:30 TW and 3:30W (All office hours in MLSC!)

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 (<http://www.webassign.net/login.html>).

- For Section 001 use WebAssign Class Key: **okstate 2467 6644**.
- For Section 003 use WebAssign Class Key: **okstate 6537 0416**.

Calculus is a computational tool that allows information about one type of quantity to be translated into information about another related quantity (e.g. position, speed and acceleration are all related). 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 calculus 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 1-Hour Exams	15% each	10% each
Final Exam	25%	40%
Diff Gateway	5%	5%
WebAssign	10%	10%
Written Assignments	10%	10%
Math Journal	5%	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: To learn Calculus you must practice. There are two different aspects to the homework WebAssign and Written Assignments.

WebAssign: You will have weekly assignments. 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.

Written Assignments: There will be weekly written assignments, these will be more involved exercise or things that cannot be done with WebAssign. **If your work is not legible it will not be graded and will not receive credit.** Your submitted work must be **stapled** together. Late homework will not be accepted. This will alternate between small-group assignments and individual assignments.

Journal Assignments: There will be three journal assignments. These will involve a mix of creative writing and mathematics. Your work must be submitted to a dropbox in D2l in doc, docx or pdf format. Late homework will not be accepted.

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 **AGH 101**. Note this is not the same room as your class. For the exams you are allowed a **calculator** (described below) and a **3 × 5 inch handwritten 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 unless it's a group assignment.** 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.