**MATH 2144 CALCULUS 1**  
Section 62478, Fall 2018  
153 PS, MTWF 10:30–11:20 am

**Instructor:** Matthew Mastroeni  
**Office Hours:** Thursday 10:30 am – 12:30 pm in 524 MSCS

**E-mail:** mmastro@okstate.edu  
**Hours in MLSC:** Tuesday 3 – 4 pm

**Course Webpage:** https://online.okstate.edu

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**Course Description:** 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 will enable you 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 novel problems in many disciplines.

**Prerequisites:** A score of at least 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:**


2. Access to the online homework system WebAssign (http://www.webassign.net/login.html).

Use WebAssign Class Key: okstate 1926 0664

**Mathematics Learning Success Center:** The Mathematics Learning Success Center (MLSC) is located on the 5th floor of the Edmon Low Library and is open Sunday 1–9 pm, Monday through Thursday 9 am – 9 pm, and Friday 9 am – 5 pm. Tutoring for Calculus 1 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 this course.

**Calculators:** A TI–83 or TI–84 calculator may be used for all quizzes and exams. However, a TI–89, an Nspire, a calculator with a computer algebra system, or 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 allowed calculator, you may borrow one for the semester from the Department of Mathematics in MSCS 401 office without charge. Graphing calculators can be a valuable tool, but not a substitute for your own conceptual understanding.
Grading: Your final grade for the course will computed according to one of two possible grading schemes. For each student, the scheme that results in the higher grade will be used.

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<th>Scheme A</th>
<th>Scheme B</th>
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<tr>
<td>Homework</td>
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<tr>
<td>Worksheets</td>
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<td>Quizzes</td>
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<td>Exams</td>
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<td>Final</td>
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Letter grades will be assigned using the grade cutoffs shown below.

\[
90 \leq A < 100 \quad 70 \leq C < 80 \quad 0 \leq F < 60 \\
80 \leq B < 90 \quad 60 \leq D < 70
\]

Homework: To learn calculus you must practice! Homework will be assigned on WebAssign frequently throughout the semester (approximately two assignments per week). For each problem, you will have three chances to answer without any reduction in score, and then two additional chances with a reduction of 20% each time. You are strongly encouraged to keep a homework notebook where you work out the WebAssign problems and/or print the assignments problems and keep them in a binder.

Worksheets/Quizzes: There will be weekly in-class worksheets and quizzes. Unless announced otherwise in class, there will be a quiz every Friday. Worksheets and part of the quizzes will involve group work. The group portion of the quiz can only improve your overall quiz grade. Your lowest quiz grade and your lowest two worksheet grades will not be counted towards your final grade.

Exams: There will be three one-hour exams in the evenings, and a comprehensive final exam.

- Exam 1: Tuesday, September 18, 5:30–6:30 pm
- Exam 2: Tuesday, October 16, 5:30–6:30 pm
- Exam 3: Tuesday, November 13, 5:30–6:30 pm
- Final: Wednesday, December 12, 12:00–1:50 pm

All exams will be held in 101 AGH. You may bring an approved calculator and a 3 x 5-inch note card to each exam. You must bring photo ID to all exams.
Missing Work/Exams: In the event that you must miss an assignment or exam for a valid and documented reason such as an accident, illness, family emergency, or conflicting school activity, I will make reasonable accommodations for you to make up the missing work. *Documentation should be provided in advance, unless absolutely impossible.* For an exam, you should notify me as soon as you know there is a conflict; you will be ineligible for a make-up if you do not do so. There will be no make-ups given for in-class assignments, but your grade on a worksheet or quiz may be excused if you miss class for a valid reason.

Class Expectations: All students are expected to be active participants in class by asking and answering questions. Cellphones, tablets, and laptops should not be used during class since these can be distracting to you and your classmates. Plan to spend, on average, eight hours each week outside of class on MATH 2144. This includes reading the text, solving 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.

Syllabus Attachment/Accommodation: Please read the OSU syllabus attachment at http://academicaffairs.okstate.edu/content/resources-faculty-staff. Follow the link under Syllabus Attachment for Fall 2018. This document contains important information, including instructions about disability accommodations. If you need accommodations as the result of a disability, please contact me as soon as possible so that arrangements can be made. Any changes to this syllabus will be announced in class and posted on the course webpage.

Academic Integrity: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct. See the OSU Fall 2018 Syllabus Attachment for more information.

Although you are strongly encouraged to work and study together, *all written and online work you submit must be your own.* Copying someone else's solutions or letting others copy your work is prohibited. Violations of academic integrity may subject you to disciplinary action including: receiving a failing grade on an assignment, examination, or course, receiving a notation of a violation of academic integrity on your transcript, or being suspended from the university.

Drops and Parachutes: The nonrestrictive add/drop deadline is Monday, August 27. Within the first two weeks of the start of classes, Dr. Kable may be able to parachute students to Math 1513 College Algebra, Math 1613 Trigonometry, or Math 1715 Pre-Calculus without any grade penalty. You should talk to me as soon as possible if you feel that one of these classes might be more appropriate for you.