Syllabus Summer Session 1, 2019 (Math 19A)

General Information

Time:	That's up to YOU
Location:	Wherever you have Internet!
Course Authors:	Tony Tromba, Frank Bäuerle
Course Hosts:	UCSC, UC Online
Course Designers:	Alan Roper
Instructors:	Frank Bäuerle & Tony Tromba
Teaching Assistants (TAs):	See the complete list at the bottom of the home page.
Office:	Tony: McH 4151, Frank: McH 4163
Phone:	Tony: (831) 459-2794, Frank: (831) 459-2964
E-mail:	Tony: tromba@ucsc.edu (mailto:tromba@ucsc.edu,) , Frank:

	bauerle@ucsc.edu (mailto:bauerle@ucsc.edu,)

Course Learning Objectives

1. Understand the concept of an instantaneous rate of change and the derivative of a function
2. Learn how to calculate derivatives explicitly and implicitly and to master how derivatives affect the behavior of a function
3. Master the application of the derivative notion to optimization problems

Office Hours (OH)

The instructor and TAs hold weekly office hours both in-person and online Zoom, our webinar software. A range of times are available. For details check the office hour page in the Support Options module.

Discussion Sections/T.A.'s

There are **optional discussion sections (both online and in person)** at various times (details TBA) that really are like drop-in hours. You do not need to enroll in them to attend.

E-Textbook and Homework System

The textbook (a customized version of *Calculus, Early Transcendentals, 2nd ed*, by UCLA Professor Jon Rogawski) is located on a web-based platform called Launchpad and the homework assignments can be found there also. **For details on how to access Launchpad, go to the Quick Start Guide in the Technical Setup module**.

Grading Policy

The grade in this class is comprised of:

On-line Homework (in LaunchPad)	**15%**

On-line Quizzes (in LaunchPad)	**10%**
Reading Assignments - Progress Check Questions (in LaunchPad)	**5%**
Proctored Midterm (in person or online)	**30%**
Comprehensive Final (in person or online)	**40%**

Some detailed explanation for the grading is in order:

- **Online Homework:** All online homework assignments are available on Launchpad which is accessed directly from each lesson, or you can click on MacMillan Higher Education link in the left NavBar. Due dates are posted in the weekly schedule and are listed in the Syllabus link or in the Calendar link at the top of the page. You have an unlimited number of attempts on all online homework questions and most questions provide feedback or hints if you answer incorrectly.
  Words of advice re homework: Think of the homework as your opportunity to learn the material and expect to spend MANY hours doing homework. The system will provide solutions to many problems for you to check your answers and work, but do not use this to short cut your homework. The process of struggling to find a solution, while possibly aggravating and stressful, is a necessary part in your comprehension of the material for many of you. If you go to the solutions too soon and too often, you may not learn the material well enough to do well on the tests. Good scores on the homework are easy to get, but getting a solid understanding of the material is not easy.
- **On-Line Quizzes:** On-line quizzes take place in weeks 2 and 4 and are found in LaunchPad. Unlike regular on-line homework assignments, they are limited in time and do not give hints or feedback for incorrect answers. There will be partial credit (where appropriate) on on-line quizzes. Your TA and instructors will check your answers and may assign partial credit after the computer score has been calculated. That is, your final score on a quiz or other on-line test may be higher than what you see after you submit your test to Launchpad. See the schedule below or click on Calendar at the top of the page to find due dates/times.
- **Reading Assignments:** No, we are not watching you when you read, so your reading score is determined by your performance on the progress check questions in the found in various sections in LaunchPad. You have three attempts on each question. You will

encounter them regularly when you read the assigned sections in your E-book. All readings are due on the dates noted below in the weekly schedule. You can also find the due dates by clicking on Calendar at the top of the page.

- **Discussion on Piazza and Study Group Participation:** This is a tricky one. Research shows that student success in on-line learning increases with active participation in discussion groups. On the other hand, we understand that not everybody needs help nor may want to collaborate with others. Now if you don't need help, you can still help others, and the fact is that explaining math to others helps you understand the math more deeply, so it is to your benefit also. **Active participation on Piazza is strongly encouraged and can contribute to a grade bump for the final grade.**
- **Curve:** We do not curve individual tests, but there **may** be a curve for the class in the sense that grade ranges that lead to certain grades are adjusted based on overall results. In addition, a sufficiently high score on the comprehensive exam is required to pass the course. Similarly, an exceptionally high score on the final exam can lead to a grade bump.
- **Extensions**: There are **NO EXTENSIONS** without justification. Length of extension can vary based on the circumstances.

Midterm and Final Exams

Please go to our **Exam Information Page** in the Course Overview and Policies module for details on Midterm and Final dates, times, locations and requirements. Exams will be offered on-campus and online (a fee applies for the proctoring service.)

Important: There are **no make-up exams** given. If you miss the midterm, your score on the final will count for both the midterm and the final. **If you miss the final exam, you will fail the class.** **We CANNOT accommodate individual travel plans. You need to take the final when it is scheduled.**

Students often fail to understand that the course ends with the final exam which by its very name is *final*. Grades cannot be adjusted afterwards for extra work or other reasons unrelated to the actual course.

Tentative Weekly Schedule

Week	Dates		

		Sections to be covered	Assignments Due
1	6/24-6/30	Introductory Videos & Sections 2.1, 2.2, 2.3, 2.4 and 2.5	• Wk 1 Homework and Reading due **Sun 6/30** @ 11:59pm
2	7/1-7/7	Sections 2.6, 2.7, 2.8, 3.1, 3.2 and 3.3	• Wk 2 Homework and Reading due **Sun 7/7** @ 11:59pm • Quiz 1 due **Fri 7/5** @11:59pm (you have 90 minutes to complete)
3	7/8-7/14	Sections 3.5, 3.6, 3.7, 3.8, 3.9, Review and Midterm.	• Midterm (online) **Fri 7/12** by appointment with Proctor U, Time 1-2:30pm • Midterm Exam (on-campus) **Fri 7/12**, Time 1-2:30pm, Engineering Auditorium 101 • Wk 3 Homework and Reading due **Sun 7/14** @ 11:59pm
4	7/15-7/21	Sections 3.10, 3.11, 4.2, 4.3, and 4.4	• Wk 4 Homework and Reading due **Sun 7/21** @ 11:59pm • Quiz 2 due **Fri 7/19** @11:59pm (you have 90 minutes to complete)
5	7/22-7/26	Sections 4.5, 4.6, 4.7, Review and Final Exam	• Final Exam (on-campus) **Fri 7/26**, Time 1-4pm, Engineering Auditorium 101

			• Final Exam (online) **Fri 7/26** by appointment with Proctor U, Time 1-4pm • Wk 5 Homework and Reading due **Fri 7/26** @ TBD

Midterm and Final Exams

Logistics: See the **Exam Information** page in the Get Started module for information concerning the midterm and final exam dates, times, locations and requirements. Exams are offered on-campus and online.
Content and Review materials: See the **Midterm and Final Exam Practice Materials** modules for information about the test as well as a number of practice materials.