

Location: ZHS 163

Time: MWF 12:00

Professor: Nathaniel Emerson

Homepage: www.dornsife.usc.edu/nathaniel-emerson/126/

Email: nemerson@usc.edu *please include "Math 126" in the subject line.*

Telephone: (213) 740-3230

Office: KAP-406F

Office Hours: Monday, Wednesday 2:00-2:50, 3:30-4:00, or by appointment.

Teaching Assistant: Pavel Sokolov

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Discussion Location: GFS 228, CPA 209

Consulting Hours:

Textbook: *Essential Calculus (2nd Ed.)* by James Stewart [ISBN: 9781133112297].

Grades: Students will be graded on weekly classwork, homework assignments, quizzes, two in-class exams, and a final exam.

Classwork (5.4%): There will be classwork due most Mondays at midnight on Gradescope. Students who do not attend a lecture are still responsible for completing the assigned classwork. Classwork will be accepted up to 24 hours late for a reduced grade. Each student's lowest week of classwork will be dropped.

Homework (11%): Homework assignments will be due most Tuesdays and Thursdays at midnight on Gradescope. Homework assignments will be graded on two criteria: completeness (attempting every problem) and accuracy (of problems selected by the instructor). Homework will be accepted up to 24 hours late for a reduced grade. Each student's lowest *two* homework scores will be dropped.

Quizzes (17.6%): Any Thursday when a homework assignment is due, there will be a quiz on that week's homework. Quizzes will be given for the last 10 minutes of discussion. No notes or calculators are permitted on quizzes. No collaboration is permitted on quizzes. Each student's lowest quiz score will be dropped.

Exams (34%): There will be in-class exams on Friday, February 18 and April 1. No collaboration during the exam is permitted. Each student may bring one page of notes: 8.5"x11", *hand written* on both sides. No collaboration during the exam is permitted. No calculators, or other electronic devices, are allowed.

Final Exam (32%): There will be a common final exam for all Math 126 classes on Saturday, May 7 from 11 am – 1 pm. *Note that this is an exceptional time.* A strictly enforced USC policy prevents any student from taking the final exam prior to the scheduled date. No collaboration during the exam is permitted. No calculators, or other electronic devices, are allowed.

Behavior: Students must strive to create a friendly academic atmosphere in the classroom. Disruptive behavior will not be tolerated. Since making mistakes is a normal part of the mathematical learning process, students are not permitted to make disparaging or hostile comments at any time. *The use of cell phones during class or discussion is disruptive behavior and will not be tolerated.*

Health Policy: All students must abide by the current USC in-class health policy. In particular, masks must be properly worn in class at all times. Failure to do so may result in removal from the class and referral to Student Judicial Affairs and Community Standards.

Recording Notice. All lectures, discussions, and office may be recorded at the discretion of the instructor. These recording may be made available to the class through Blackboard.

Schedule: The planned schedule of lectures is given below. It is strongly suggested that students read the relevant section *before* class (looking for the main ideas), attend class and then read the section again with the goal of understanding the details of the section. We will cover most of Chapters 6-8 and parts of Chapters 5 and 9 from the textbook.

Week	Monday		Tuesday		Wednesday		Thursday		Friday	
1	1/10	5.6	1/11	Differentiation	1/12	5.8a	1/13	Integration	1/14	6.3
2	1/17	MLK Day	1/18	HW 2a	1/19	6.1a	1/20	HW 2b Quiz 1	1/21	5.8b
3	1/24	6.2 Trig Int	1/25	HW 3a	1/26	6.6a	1/27	HW 3b Quiz 2	1/28	6.1b
4	1/31	8.1	2/1	HW 4a	2/2	6.2 Trig Sub	2/3	HW 4b Quiz 3	2/4	6.6b
5	2/7	8.2	2/8	HW 5a	2/9	8.3	2/10	HW 5b Quiz 4	2/11	Ch 6 Review
6	2/14	6.5	2/15		2/16	Review	2/17	Review	2/18	Exam 1
7	2/21	Presidents' Day	2/22	HW 7a	2/23	8.4a	2/24	HW 7b Quiz 5	2/25	Linear Approximation
8	2/28	8.5a	3/1	HW 8a	3/2	8.4b	3/3	HW 8b Quiz 6	3/4	8.3-4 Tests
9	3/7	8.5b	3/8	HW 9a	3/9	8.2-4 Series	3/10	HW 9b Quiz 7	3/11	π Day (observed)
SB	3/14	Spring	3/15		3/16	Break	3/17		3/18	Have Fun
10	3/21	8.6	3/22	HW 10a	3/23	8.7a	3/24	HW 10b Quiz 8	3/25	7.1
11	3/28	7.2	3/29		3/30	Review	3/31	Review	4/1	Exam 2
12	4/4	8.5-7 General Centers	4/5	HW 12a	4/6	7.3	4/7	HW 12b Quiz 9	4/8	9.3
13	4/11	8.7b	4/12	HW 13a	4/13	9.4	4/14	HW 13b Quiz 10	4/15	7.2-3
14	4/18	8.8	4/19	HW 14a	4/20	7.6	4/21	HW 14b Quiz 11	4/22	7.4-5
15	4/25	Power Series Review	4/26	HW 15a	4/27	Ch 7 Review	4/28	HW 15b Quiz 12	4/29	Review

Complete Syllabus: This is an abbreviated syllabus. The complete syllabus for the class can be found on the class homepage: dornsifecms.usc.edu/nathaniel-emerson/126/