

**Professor:** Nathaniel Emerson

**Homepage:** [www.dornsife.usc.edu/nathaniel-emerson/450/](http://www.dornsife.usc.edu/nathaniel-emerson/450/)

**Email:** [nemerson@usc.edu](mailto: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.

**Textbook:** *A History of Mathematics (Brief Ed.)* by Victor Katz [ISBN: 978-0321161932].

**Grades:** Students will be graded on weekly homework assignments, three projects, four group presentations participation, and a final project.

**Homework (14%):** Most weeks there will be a problem set due on Friday. Additionally, some problems will be written up in detail.

**Group Presentations (18%):** Group Presentations will be given in class on Friday, January 28, February 17 and March 25. Additionally a group video presentation will be due on Friday, April 15. Each student will receive an individual grade and a group grade.

**Projects (32%):** Projects will be due Friday, February 4, February 24, and April 1. All projects will include an essay and a video.

**Participation (10%):** Students will be graded on the quality and frequency of their participation in class and on Blackboard. Participation is not attendance, students will not receive participation credit merely for attending class, nor will they be penalized for non-attendance.

**Final Project (26%):** The Final Project is due Friday, May 6. Each student will briefly present on their final paper during the final time from 8–10 AM in class.

**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 recordings 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.

Week	Topic	Reading	Discussion Board	Homework	Assignment
1	Introduction, Egypt	Chapter 1.1 <a href="#">"The Instruction of Dua-Khety"</a>	Friday, 1/15	HW 1	
2	Mesopotamia	Chapter 1.2 Orientalism ??	Wednesday, 1/19	HW 2	Detailed Write Up 1
3	Greece	Chapter 2		HW 3	Group 1
4	Greece	Chapter 3		HW 4	Project 1
5	Greece	Chapter 4 <i>Against Marriage</i>		HW 5	Ancient Meme Detailed Write Up 2
6	China	Chapter 5		HW 6	Group 2
7				HW 7	Project 2
8	India	Chapter 6		HW 8	Medieval Meme
9	The Islamic World	Chapter 7		HW 9	Detailed Write Up 3
SB	Spring Break				
10	Renaissance Europe	Chapter 9		HW 10	Group 3
11	Proto-Calculus	Chapter 10		HW 11	Project 3
12	Calculus	Chapter 11		HW 12	
13	Advanced Calculus and Non-Euclidean Geometry	Chapter 12		HW 13	Group 4 (video)
14	Probability and Statistics	Chapters 13, 15, 18??		HW 14	
15	Modern Math			HW 15	

**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/450/](http://dornsifecms.usc.edu/nathaniel-emerson/450/)