

History of Mathematics MATH 3010
Syllabus

Instructor: Dr. Michel Smith

Office: Parker Hall 310

Phone: 844-4290

Email: smith01@auburn.edu

Class Website: <http://www.auburn.edu/~smith01/math3010Sp25/>

Office Hours: Tentatively MWF 11:00 – 12:00 and by appointment (possibly via zoom).

Class Textbooks and other resources

Required Textbooks:

Logicomix: An epic search for truth Paperback – September 29, 2009 by Apostolos Doxiadis and Christos Papadimitriou. (We won't need this till around midsemester.)

A History of Mathematics book that has sets of problems (at the end of chapters) - it doesn't have to be a recent edition; a couple of years ago I found some on Amazon for 99 cents. The important thing is that it has problems to work on. Here are a couple that have good problem sets that are available in inexpensive used editions:

The History of Mathematics: An Introduction by David Burton

An Introduction to the History of Mathematics by Howard Eves

Wikipedia.

Google or your favorite internet search engine.

ChatGPT or your favorite look-up software.

Grade Calculation

Homework/Essays & Projects	15%
Identifications, Presentations and Participation	15%
Tests	30%
Final Exam	40%

Grade calculation:

90 to 100 =A; 80 to <90 = B; 70 to < 80 =C; 60 to <70 = D; <60=F.

Essays and projects.

Essays and projects will be open notes and open textbooks; this includes my notes on the class website.

Homework/Participation/Presentation.

My daily classroom process is as follows: For fairness, I will create pseudo-randomized lists of students from which I will pick students to present identifications and solutions to assigned homework. I will discuss details in class. I will use my student list to assign student presentations for the next class. Once assigned, the student is responsible for preparing the homework assignment for the next class meeting. Typically this will be to prepare proofs to theorems under consideration or to prepare solutions to assigned exercises. Then students will present their work and other students should be prepared to critique solutions and to ask questions if the presentation is not understood. Read my document *Participation* at the class website which adds details to the process.

Attendance Requirement.

Attendance and class participation are a critical part of this course. Students are permitted one unexcused absence. More than one unexcused absence (an excused absence is any University excused absence) will result in percentage points taken off the final grade as follows:

- 1 missed class results in a total of zero points subtracted,
- 2 missed classes results in a total of 2 point subtracted,
- 3 missed classes results in a total of 5 points subtracted,
- 4 missed classes results in a total of 10 points subtracted,
- More than 4 missed classes will result in a grade of “F” assigned for the class.

Accommodations for Disabilities: If you have accommodations, please request them online so that I can access them before we meet in my office. If you are seeking accommodations you should make an appointment with a member of the professional staff in the Office of Accessibility office, 1244 Haley Center (844-2096).