

History of Mathematics MATH 3010
Syllabus

Instructor: Dr. Michel Smith
 Office: Extension Hall 201
 Office hours: MWF 8:30 - 9:00 & 10:00 - 11:00 and by appointment.
 Class Web Site: <http://www.auburn.edu/~smith01/math3010Sp21/>

Class Textbooks and other resources

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 - 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 problems 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.

Grade Calculation

Participation, etc. broken down as follows:	25%
Homework	10
Presentation	10
Participation	5

Essays, etc.:	Number of points each
Item (N_i = number of each item)	(p_i = points per item)
Short Essays/Quizzes/Short projects	10
Long Essays /Tests/Long projects	30
Final	60
75%	Total Possible = $\sum N_i p_i$

Grade calculation = (number of points obtained ÷ total possible) × 100%.

The standard 10 point scale will be used:

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

Test, quizzes, essays and projects.

Tests, quizzes and projects will be open notes and open textbooks; this includes my notes on the class website. Concerning tests/quizzes, you may not receive any other outside assistance and may not discuss quizzes and tests with anyone. You will be asked to affirm that you have abided by these conditions. Regarding essays and projects, some of which may be group assignments, all outside resources must be credited. Fellow students must be credited if they helped with solutions to homework or project exercises.

Homework/Participation/Presentation.

My daily virtual classroom process is the same as my daily on-campus classroom process. For fairness, I will create a pseudo-randomized list of students from which I will pick students to present solutions to assigned homework. I will start with the first name on the list and go in the listed order and cycle through the list during the semester. **Students are expected to attend zoom sessions held during the scheduled class meeting time.** Before each class, either by email or verbally at the end of the previous 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. **The student's work should be emailed to me before the due date/time in a single pdf document (jpeg's are also acceptable in the case when the student cannot provide a pdf document); the name of the file should begin with your last name plus whatever identifier suits you: e.g. smithOct20homework.pdf. A scan or photo of your handwritten work (converted into a pdf document) is fine - but it must be readable in order to receive full credit. Grades for assignments turned in late (or unreadable) will be prorated according to how late; zero credit will be assigned if the assignment is not received by the time it is reviewed in lecture.**

I will review the homework before class. Then during our class meeting I will go through the list of the students who are scheduled for presentation for that class and ask each to present a portion of their work through zoom. (My custom is to allow the student to dictate their work verbally while I write it on the clipboard/document camera setup.) Other students should be prepared to critique solutions and to ask questions if the presentation is not understood. Read my document *Participation/Presentation Component* which adds details to the process.

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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).