These slides, as well as all the information about the course, can be found at:
(shortcut: Google "Moira Chas")

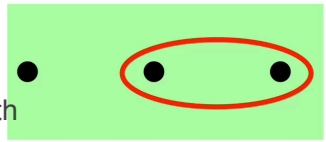
http://www.math.stonybrook.edu/~moira/courses/mat336-sp2019/

MAT 336 History of Mathematics

Space, cyberspace and time coordinates of your instructor

- Moira Chas, Associate professor
- Best way to contact me:
  - moira.chas at stonybrook.edu
- Website: http://www.math.sunysb.edu/~moira/
- Office: 3-119 Math Tower
- How to address me? Professor Chas is OK

- Office hours:
  - Mo Tuesday 12:20 to 2:20pm, Thursday 1to 2pm in 3-119 Math Tower.and/or **by appointment** (email me!).



Administrative stuff

Online Resources

- Course Website:
  - http://www.math.stonybrook.edu/~moira/courses/mat336-sp2019/
    - Syllabus, homework schedule, announcements, due dates, link of forms.
  - http://www.math.stonybrook.edu/~moira/courses/mat336-sp2019/Material/
    - Slides, and other materials (including the one you are reading)
- Blackboard:
  - Grades
  - Submission of paper

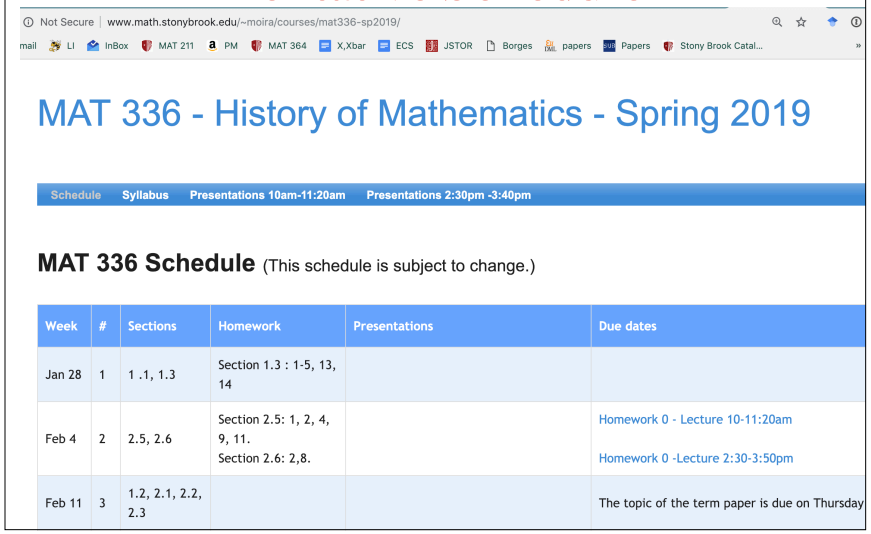
Textbooks

Textbooks:

David M. Burton, The History of Mathematics, 6th or 7th edition

William Dunham, Journey Through Genius, Penguin 1990. paperback ISBN 978014014739-1. (Recommended)

Tentative Schedule



Grades policy

- The final grade will be based on
  - Weekly quizzes 30%
  - Presentation 15%
  - Term paper 45%
  - Attendance and class participation 5%
- Class participation means being active and present in class, asking relevant questions and working on the proposed activities.

Quizzes

- About 15 minutes long.
- On the previous weeks material.
- Homework-type problems and basic questions.
- The weekly quizzes will be about what has been discussed in class during the previous couple of weeks, as well as the reading.
- Next Tuesday I'll bring a Sample Quiz.
- There will be no make-ups for the quizzes. Anyone absent will receive a zero unless there is a serious documented reason. In this case, the grade will be determined based on the balance of the work in the course.

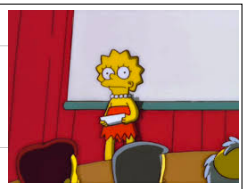
Homework

- Homework problems will be posted each Friday before 10am (and can be the "inspiration" of the following weeks quizzes).
- Problems will not be collected.

Presentation

- 15 minutes long
- Afterwards, there will be a 5 minute class discussion, in which the other students can ask questions, or make comments about the presentation.
- If you want to use PowerPoint or other presentation software, you have to email me the slides at least a week before the presentation.
- The slides cannot contain more than 100 words in total. (If you really need to put more than 100 words, discuss it with me)
- Notes to help your memory are fine.

Presentation



- Speaking in public can be scary, but we will be a kind, supporting audience, rooting for you.
- It is fine not to be able to answer questions in the spot. If that happens, keep thinking about it and tell us the following week.
- After each presentation, each student will write a few sentences about its content.
- The schedule for student in-class presentations is subject to change. All changes will be announced in class.

Presentation Topics

- *How to distribute them?*

Presentation rubrik

- (1 point) Outline Content (due the week before)
- (1 point) Outline Bibliography (due the week before)
- (0.5 point) Time Management (no less than 10 mins, no more than 15)
- (0.5 point) Speaking in a Clear, Easily-Audible Voice
- (0.5 point) Creativity/Originality of Presentation
- (0.5 point) New information and/or important issues are considered and/or sparks questions
- (2 point) Historical context
- (4 points) Mathematical Content

There are no dumb questions

Paper

- Each student will write a term paper on a topic that must be approved by the instructor.
- The content should be mathematical and historical.
- The target length of the paper should 4000 - 6000 words (excluding the bibliography), in an easily readable font (possibly Times New Roman or Cambria), in 12pt size, double spaced.
- Relevant diagrams and figures are a plus.

Paper

- The term paper will be graded on it's content, as well as on how well it is written. A way to start writing a good paper is first **understand** the topic the paper is about.
- The term paper should be submitted on Blackboard, before Tuesday May 7th.
- The bibliography and outline should be submitted beforehand (on dates announced on the schedule).

ACADEMIC DISHONESTY

- **All work you submit MUST be your own work.**
- **If you cheat or aid someone in cheating, you will automatically fail this course and be brought up on charges of academic dishonesty without warning.**
- **Cheating includes: presenting work of other as your own, copying other student work, facilitate that other student copies your work, use of notes, calculators and/or electronic devices during examinations.**
- **The term paper will be checked with SafeAssign and if cheating is detected, it will be reported to the Academic Judiciary.**

Tips to succeed in this course

- Work on the assigned homework (which will not be collected but will help you in the quizzes.)
- Start working on the presentation and paper ***early***
- Attend the lectures, and when you do, *be completely* in the class. (This implies no use of electronics for non-class purposes. Note: cell-phone is electronic)
- Read the book… but not during the lecture.

Attendance

- Attendance to all classes is expected and is part of the grade.

Cellphones, computers, books… during lecture

- The policy is ?

Also

- If there is any issue that interferes with your work in this course, communicate with me as soon as possible.
- I tend to ask questions in the class, not to evaluate the audience but to guide their thoughts.
- Asking questions in a class setting is not always easy, but it does get easier with practice.

Constructive feedback is welcome by me, your instructor.

Email communications

- During the semester, I will send a few emails. Please make sure that you check the Stony Brook email account regularly.
- Messages should be written in complete English sentences.
- I check my email about once a day, so expect my answer accordingly.
- I cannot answer long questions by email. This is office hours are for.

Make groups of 3, 4 students.

- Exchange ways of communication (email, phone number, smoke signals, whatever you are comfortable with).
- Write down two or three sentences explaining what is mathematics.