MAT 402
Topics in Mathematics

About your instructor

Moira Chas
Ph.D. in Mathematics, Universitat Autonoma de Barcelona.
Research interest: Topology and geometry.

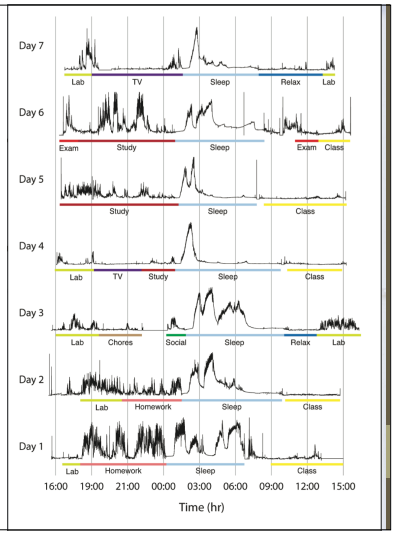
Email: moira.chas@stonybrook.edu

Office Location: 3-119 Math Tower

Office hours: Tu-12:20pm-2:20pm in P-143
Th 11:30– 12:30 in my office
AND by appointment.

Homepage http://www.math.sunysb.edu/~moira/

My teaching philosophy



The goal of the course is to learn about surfaces from the topology and geometry point of view.

Course Website

http://www.math.sunysb.edu/~moira/mat402-spr16/
- Schedule
- All course materials including these slides.

https://blackboard.stonybrook.edu/
- Grades

Grading

What	Percentage
Homework	1/6 (one problem graded per week)
Project exposition	1/6
Project write up	1/6
Midterm (in the style of the problems from the book"	1/6
Class participation (including google group discussion	1/6
Short expositions	1/6

Project and homework

- You cannot learn in this course without working on problems and projects. Thus, you should expect to spend a few hours (five, six, …) a week working on them.
- Start working on homework problems from the beginning of the course (and don't stop until the end!).
- No late homework will be accepted. If you have a serious documented reason communicate it to me as soon as possible and will discuss possibilities.
- Start working on your project and homework a day before the deadline is a very bad idea. Plan ahead.

Homework Assignments

- Homework will be posted online each Thursday evening and must be handed in to your instructor (me!) the next Thursday.
- One problem per week will be graded (5 points)
- .You are encouraged to study with and discuss problems with others from the class, but *you must write up your own homework by yourself on your own.*
- Mathematical writing is an important part of this course and will be part of your grade. All problem sets should be written in complete English sentences, with correct grammar and correct spelling.
- All mathematical steps should be clearly justified.
- The number of symbols and abbreviations/acronyms should be minimal (or zero).
- Proofread what you have written before submitting. Reading aloud to yourself is helpful for this.

Projects

I'd be happy to check any draft or oral exposition of your work if you present them to me a few days before the deadline.

- Your target audience is a reasonable undergraduate senior. You can assume knowledge of the topics we discussed in class.
- Each project must consist of
  - 60 minutes oral exposition.
  - A written exposition in latex or html, which must be posted ten days before your exposition (making sure you give a clear definition of each term you introduce). This exposition should have meaningful illustrations. You can present this writer exposition as a website, podcast, movie. You can also create meaningful illustrations and apps.

Team work

- You may discuss the assignments in this course with classmates, before working in the write-up. Moreover, it will be a good idea to present your project to a classmate before presenting it to the class.
- Each student's submission must be his or her own work.
- It is not allowed to browse the Internet for solutions.

ACADEMIC DISHONESTY

- All work you submit for homework, final, or exams 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.
- Cheat includes: presenting work of other as your own (such as cutting and pasting from the internet), copying other student work, facilitate that other student copies your work, use of notes and/or electronic devices during examinations.