MAT 515
Geometry for teachers

About me, 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: Mo-1:30pm-3:30pm in office
We 2:45 – 3:45pm in P-143
AND by appointment.

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

Course Homepages

http://www.math.sunysb.edu/~moira/mat515-fall13/

- Announcements
- Syllabus
- Schedule
- Homework assignments
- These slides.

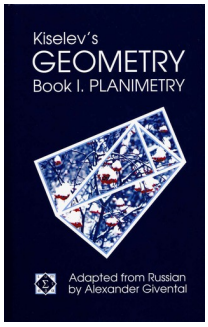
https://blackboard.stonybrook.edu/

- Grades

Course Etiquitte

- Ask questions.
- Participate on the class activities.
- Answer questions.
- Tell me what works and what does not.

Textbook: Read it!!



How are grades computed?

- Homework, class participation 20 %
- Midterm 1 20%
- Midterm 2 20%
- Final 40%

Except for the class participation, the grade will be strongly based on performance. Effort will always contribute but it is not the basis of the grade.

Homework and exams policy

No late homework will be accepted and make-ups for the exams will not be given.

But if you have a serious documented reason communicate it to me as soon as possible and the semester grade will be determined based on the balance of the work in the course.

Homework Assignments

•You cannot learn in this course without working on problems.

•Expect to spend a few hours a week working on homework.

•Start submitting homework from the beginning of the course (and don't stop until the end!).

Homework Assignments

•Each assignment will consist in about ten problems.

•The grader will grade selected problems (about half of them) marked in bold in the schedule.

•Problem sets which prove to be too difficult to read may be marked incorrect or may be returned to the student to rewriting (as the instructor sees fit)

•All of the homework pages MUST be stapled together

•Use black or dark blue ink when writing up answers for your homework assignments. Do NOT use RED ink and do NOT use PENCIL.

•Homework must be submitted on Mondays, before class with the exception of the first homework due next week.

Homework solution

A complete solution will include the following:

1. The statement of the problem
2. An organized presentation of ideas leading to a solution
3. An answer that is circled or boxed, if appropriate.
4. If a problem has multiple parts it should be solved as though each part were a separate problem, following the order in which parts are listed.
5. If there is no work shown, there is no credit. In other words, an answer with no justification is not admissible (even if it is the correct answer!)

Midterms and final

- The midterms and final will consist of problems similar to the more difficult homework problems.
- The dates of the exams cannot be changed. Organize your schedule so you can be there.

Is it allowed to work in teams?

- You may discuss the assignments in this course with classmates, before working in the write-up.
- 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.

In a group

Discuss for five minutes and make a list containing the following:

- why are you taking this course,
- what do you expect to learn
- how you would like to learn it

HW0

Send me an email (moira.chas@stonybrook.edu) with your name, mathematical background and hopes and fears about this course. It would be very useful if you include a summary of what you know about geometry, what you expect to learn, and why are you taking this course.

Also, let me know if you have any experience with software related to geometry (Geometer Sketchpad, Cinderella, Geogebra, etc) and whether you are interested in learning more about geometry software.

Please include any other information about yourself that could be useful or relevant.