

Syllabus

Mathematics 5200/7200, Foundations of Geometry I Fall 2006

Professor: *Gordana Matic*

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Book: Book: Marvin Jay Greenberg: Euclidean and Non-Euclidean Geometries

Class time and location: MWF 09.05-09.55 am in Physics (building 1003) room 253

Office: Room 321A in Boyd

Office hour: Wednesday 10:10-11:00 am, Friday 12:20 -1:10pm or by appointment. Please come to office hour if you have any questions or concerns.

In Class: Ask questions please. Many people find it intimidating to ask questions, but it is an important tool for learning- for the brave (and thus smart) one who asks, as well as for the others. If you do not understand something, usually there are other people in the class who do not either. It also helps me to do a better job of teaching. I do try to guess your questions in advance, and answer them before you ask, that is a part of my job as a teacher. But each class is different, and I can not guess all the questions. So please ask them.

Homework: Homework will be assigned daily and collected weekly.

Do your homework, it is essential for succeeding in the course. To boost your performance in the course, it is very important that you review the material of each lecture before the next lecture. When past material is fresh in your mind, you will be much more receptive to new material, will understand and absorb it better. In general, the more you review the better off you are. This is true for all disciplines but especially for mathematics since often one needs time to “assimilate” new material. This means that often, it is difficult to grasp the full meaning of a new mathematical concept right at the start. By periodically going back to that concept, you will have a better and better understanding of it and its consequences. You will know how to better use it. You should also try to “read ahead”. It will make it possible to anticipate and ask good questions in class.

To prepare for tests, it is recommended to review the material covered in the lectures, to read the relevant sections of the book, redo the previous homework assignments and study class notes. You are expected to know the definitions, propositions and theorems introduced in class. You are expected to be able to reproduce proofs done in class.

Grading: There will be three hour exams (45%)), a comprehensive final exam (25 %), and graded homework assignments (30 %). Homework will be collected once a week. You are expected to pay attention to the correctness and clarity of your solutions - grammar and syntax do count. Although I encourage you to discuss homework problems with other students, you are expected to write up your assignments individually. You must comply with UGA’s Academic Honesty Policy.

Academic honesty: As stated in the Undergraduate Bulletin: “All students must comply with an appropriate and sound academic honesty policy and code of honest behavior”. The University’s academic honesty policy can be consulted on the world wide web at <http://www.uga.edu/~vpaa/polproc/ahpol/main.html> .

During the tests for this course, the use of any kind of student-to-student assistance, any table or list of formulae, numbers, theorems or mathematical statements (unless explicitly

approved by me), any unapproved calculator, computer or electronic device is prohibited and would constitute a violation of the University academic honesty policy.

Statement: The course syllabus provides a general plan for the course; deviations may be necessary.