MAT 551, Fundamental Concepts of Geometry
Spring 2010

SYLLABUS

Time & Place: Tuesdays & Thursday, 12:30 – 1:50 pm, in room 300 Carnegie
Instructor: Professor Wu-Teh Hsiang
Office: 206A Carnegie
Telephone Ext: 443-1486
Email: wthsiang@syr.edu

Textbook: The required textbook for this course is *Euclidean and Non-Euclidean Geometries, 4th Ed.,* by Marvin Jay Grennberg. *You will need to have your text book handy at ever class meeting.*

Parts of Chapters 1, 2, 3, 4, 5, 6, 7 and 10 will be covered.

Most of the time you will be expected to have read the pertinent text material *before* you come to class. I will answer any questions about the assigned reading at the beginning of each class meeting, but you must first have already made a serious attempt to understand the text on your own.

Prerequisites: MAT 275 and MAT 331. This course is highly dependent upon material in MAT/CIS 275, especially formal logic and methods of proof, such as use of the contrapositive, indirect proof, quantifiers, and mathematical induction.

Grading: 8 Problem Sets (20% of your grade);
    2 Midterm Tests (20% of your grads for each test);
    Final Exam (40% of your grade).

Academic Integrity:
    You may collaborate with your classmates in doing your problem sets. In fact, you are encouraged to do so. But each of you must do your own write-up, and for each problem on which you collaborate, you must list all of your collaborators.
    The Syracuse University Academic Integrity Policy holds students accountable for the integrity of the work they submit. Students should be familiar with the policy and know that it is their responsibility to learn about general academic expectations with regard to proper citation of sources in written work. The policy also governs the integrity of work submitted in exams and assignments as well as the veracity of signature on attendance sheets and other verifications of participation in class activities. Giving aid to another student on a test is just as serious as receiving it, and can be punished in a similar fashion. Students have a right to appeal all such sanctions,

In this course the penalty for cheating on a test is a grade of F for the course. All instances of academic dishonesty will be reported to the College Committee for Student Standards.

<u>Students</u> <u>with</u> <u>Disabilities</u>:

Students who may need academic accommodation due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodation, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and bring an updated accommodation letter to the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance.