

MAT 599, Senior Seminar in Mathematics, Spring 2009

Instructor: Associate Professor Steven P. Diaz

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Text: Algebraic Curves by William Fulton

Final Exam: Monday, May 4, 2009 5:00-7:00 P.M..

Midterm exam: Tuesday, March 3, 2009 during the regular class time.

Both the midterm exam and the final exam are closed book; no books, notes or calculators are allowed.

Determination of course grade: Midterm 20%, Final 30%, class participation 50%.

Course description / Learning Outcomes: This course is primarily intended for students who wish to graduate with Distinction in Mathematics. The instructor may give other students permission to attend. The subject matter is an introduction to algebraic geometry, the study of the solution of polynomial equations. In addition to learning the indicated subject matter students should also learn how to read and understand advanced mathematics (even when they do not have optimally adequate background) and to present mathematics to an audience. To this end, while the instructor will present some lectures, the students themselves will do much of the presentation. Students will present material from the textbook explaining any missing details, and will present solutions to exercises from the book. When a student is presenting the other students are expected to also have familiarized themselves with the material so that they can help the presenter if he or she makes a mistake or gets stuck. Except for during the midterm and final exams students are encouraged to work with each other.

**Syllabus Statement Regarding Disability-Related Accommodations**

**Students who are in need of disability-related academic accommodations must register with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498. Students with authorized disability-related accommodations should**

**provide a current Accommodation Authorization Letter from ODS to the instructor and review those accommodations with the instructor.**

**Accommodations, such as exam administration, are not provided retroactively; therefore, planning for accommodations as early as possible is necessary. For further information, see the ODS website, Office of Disability Services <<http://disabilityservices.syr.edu>> <http://disabilityservices.syr.edu/> <<http://disabilityservices.syr.edu/>>**

### **Syllabus Academic Integrity Statement**

**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 instructor and 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 signatures on attendance sheets and other verifications of participation in class activities. Serious sanctions can result from academic dishonesty of any sort. For more information and the complete policy, see <http://academicintegrity.syr.edu> <<http://academicintegrity.syr.edu/>>**