MAT 738 Introduction to Algebraic Geometry, Spring 2013

Instructor: Associate Professor Steven P. Diaz

Office: Carnegie 317C

Office Hours: Tuesday 2:15-3:00 pm, Wednesday 2:15-3:10 pm, Thursday 11:15-12:00 noon.

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Text: Algebraic Geometry by Robin Hartshorne, GTM 52, Springer-Verlag.

Final Exam: Friday, May 3, 2013 8:00-10:00 am.

I hope to cover Chapter I Sections 1,2,3,4,5,7, Chapter II Sections 1,2, and Chapter III Section 4. Additional material may be covered if time allows.

Requirement for an A: Hand in correct solutions to at least 10 homework problems, including at least one from each of the following sections Chapter I Sections 1,2,3,4,5,7, Chapter II Sections 1,2. You may discuss homework problems with each other (in fact I encourage you to do so); however, you should not hand in a problem unless you feel you contributed to its solution (do not simply copy someone else's solution).

Learning Outcomes: Learn the material in the indicated sections of the textbook. Become familiar with the basic objects in algebraic geometry: algebraic varieties in affine and projective space, Zariski topology, dimension of algebraic varieties, regular and rational maps between algebraic varieties, singular and nonsingular algebraic varieties, tangent spaces to algebraic varieties, basic intersection theory, sheaves, schemes, and cohomology.

Students with disabilities. If you believe that you need accommodations for a disability, please contact the Office of Disability Services(ODS), http://disabilityservices.syr.edu, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

Related link: http://disabilityservices.syr.edu/faculty-staff/syllabus-statement/

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Related link: http://supolicies.syr.edu/studs/religious_observance.htm

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Related links:
The Academic Integrity Policy: http://academicintegrity.syr.edu/academic-integrity-policy/
Twenty Questions and Answers about the Academic Integrity Policy:
http://academicintegrity.syr.edu/faculty-resources/

What does academic integrity mean?: http://academicintegrity.syr.edu/what-does-academic-integrity-mean/