

MAT 599 Senior Seminar in Mathematics, 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: Introduction to Cryptography with Coding Theory, Second Edition, by Wade Trappe and Lawrence C. Washington, Pearson – Prentice Hall Upper Saddle River, New Jersey 07458, 2006.

Final Exam: Friday, May 3, 2013 10:15 am-12:15 pm.

Tests during the term: Thursday February 14, 2013 and Thursday April 4, 2013 during class time.

Calculation of course grade; two tests during the term 20% each, final exam 30%, class participation and class presentations 30%.

Learning Outcomes: As this is a “Senior Seminar” the exact topics covered may vary according to student preferences, though they will all be topics covered in the textbook. Within this freedom after successfully completing this course students will:

- Have a basic understanding of cryptography and coding theory

- Know a bit about public key cryptography

- Know a bit about error correcting codes

- And

- Know how to orally present mathematics to groups of mathematicians.

**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](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/>