

MAT 599 Senior Seminar in Mathematics, Spring 2019

Instructor

Professor Steven P. Diaz

Office

Carnegie 317C

Office Hours

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

Office telephone

315-443-1583

Email

spdiaz@syr.edu

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

Tuesday, May 7, 2019 8:00 am-10:00 am.

Tests during the term

Thursday February 14, 2019 and Thursday April 4, 2019 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

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 academic adjustments (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 or TDD: (315) 443-1371 for an appointment to discuss your needs and the process for requesting academic adjustments. ODS is responsible for coordinating disability-related academic adjustments and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since academic adjustments may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

Academic Integrity

Syracuse University's Academic Integrity Policy reflects the high value that we, as a university community, place on honesty in academic work. The policy defines our expectations for academic honesty and holds students accountable for the integrity of all work they submit. Students should understand that it is their responsibility to learn about course-specific expectations, as well as about university-wide academic integrity expectations. The policy governs appropriate citation and use of sources, the integrity of work submitted in exams and assignments, and the veracity of signatures on attendance sheets and other

verification of participation in class activities. The policy also prohibits students from submitting the same work in more than one class without receiving written authorization in advance from both instructors. Under the policy, students found in violation are subject to grade sanctions determined by the course instructor and non-grade sanctions determined by the School or College where the course is offered as described in the Violation and Sanction Classification Rubric. SU students are required to read an online summary of the University's academic integrity expectations and provide an electronic signature agreeing to abide by them twice a year during pre-term check-in on MySlice.

The Violation and Sanction Classification Rubric establishes recommended guidelines for the determination of grade penalties by faculty and instructors, while also giving them discretion to select the grade penalty they believe most suitable, including course failure, regardless of violation level. Any established violation in this course may result in course failure regardless of violation level. For more information and the complete policy, see <http://class.syr.edu/academic-integrity/>

Religious observances policy

Syracuse University's Religious Observances Policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holy days according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to a religious observance provided they notify their instructors no later than the end of the second week of classes. For fall and spring semesters, an online notification process is available through MySlice (Student Services -> Enrollment -> My Religious Observances) from the first day of class until the end of the second week of class.