

**MAT 541**  
**Introduction to Number Theory**  
**Spring 2010**

**Instructor:** Professor Jeffrey Meyer, 206F Carnegie  
443-1479 or 443-1473  
jlmeye01@syr.edu

**Office Hours:** W 10:00 – 11:30 am, TTh 11:30 – 12:30 pm, and by  
appointment.

**Text:** *Elementary Number Theory*, by David M. Burton, Sixth Edition

**Course Description:** This course is a first course in number theory. The course will cover at least Chapters 2, 3, 4, 5, 6, 7, and 9. There will be additional topics presented by the instructor and other number theoretic digressions. The work you do for the course will include solving problems with applications from the material and writing proofs of claims.

**Prerequisite:** MAT 275 and MAT 331 or permission of instructor.

**Grading:** Your grade will be based on the following:

Two mid-term exams	25% each
Comprehensive final exam	35%
Homework	15%

**Exam Dates:** Tentative schedule:  
Exam 1            Thursday, February 25, 2010  
Exam 2            Tuesday, April 20, 2010  
  
Final Exam        Friday, May 7, 2010, 8:00 – 10:00 am

**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. You are also welcome to contact me privately to discuss your academic needs although I cannot arrange for disability-related accommodations. Making arrangements with ODS takes time. Do not wait until just before the first test.

**Academic Integrity:** 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://academic integrity.syr.edu>