Instructor: Dr. Kathleen Petersen

Email: petersen@math.fsu.edu

Office: LOV211

Office Hours: W 1PM-2:30PM, Th 2PM-3:30PM (subject to change)

Course Time: MWF 2:30PM-3:20PM

Course Location: LOV 102

Eligibility: A prior mathematical proof class like MGF3301, MTG4302 or MAD2104. It is the student’s responsibility to check and prove eligibility.

Text: “Number Theory” by George E. Andrews (published by Dover)

Course Content: The text and class notes.

Course Objectives: The purpose of this course is to introduce students to the subject of number theory. We will discuss various classical problems and techniques in classical algebraic and analytic number theory as well as applications to coding theory and cryptography.

Grading: There will be two tests, homework, quizzes, and a cumulative final exam. A numerical grade will be determined by

- 40% test average
- 25% homework and quiz average
- 35% final exam.

Plus or minus grades may be assigned in a manner consistent with University practice. A grade of I will not be given to avoid a grade of F or to give additional study time. Failure to process a course drop will result in a grade of F.

Exam Policy: No makeup tests will normally be given. A missed test may be excused if the student presents sufficient verifiable evidence of acceptable extenuating circumstances. If a test absence is excused, a make-up test will be scheduled within one week of the missed test or within one week of medical clearance. Absences from tests due to family social events will not be excused. Acceptable medical excuses must state explicitly that the student should be excused from class. Students must take the final examination at the scheduled time. Students must bring FSU ID cards to all tests.

Test 1: Monday, February 7
Test 2: Friday, March 18  
Final Exam: Friday, April 29, 12:30 - 2:30 PM

**Homework Policy**: Homework will be assigned every week. No late homework will usually be accepted.

**University Attendance Policy**: Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

**Academic Honor Policy**: The Florida State University Academic Honor Policy outlines the University’s expectations for the integrity of students academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to “. . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University.” (Florida State University Academic Honor Policy, found at http://dof.fsu.edu/honorpolicy.htm.)

**Americans With Disabilities Act**: Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class. This syllabus and other class materials are available in alternative format upon request.

For more information about services available to FSU students with disabilities, contact the Student Disability Resource Center

874 Traditions Way  
108 Student Services Building  
Florida State University  
Tallahassee, FL 32306-4167  
(850) 644-9566 (voice)  
(850) 644-8504 (TDD)  
sdrc@admin.fsu.edu  
http://www.disabilitycenter.fsu.edu/

**Syllabus Change Policy**: Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.