

SYLLABUS: MATH 784

algebraic NUMBER THEORY

1:25-2:15 p.m. on MWF in LeConte 310

Instructor: Michael Filaseta

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Office Phone Number: 777-6589

Office Hours: 9:30-10:30 a.m. on MWF and by appointment
(let me know in advance if you want to see me)

Cell Phone Policy: Please remember to turn your cell phone off or on vibrate prior to class.

Text Books: Notes are available at:

<http://www.math.sc.edu/~filaseta/gradcourses/Math784.html>

Three books that may help are:

“Algebraic Number Theory” by I. Stewart and D. Tall

“Topics in Number Theory, Volume II” by W. J. LeVeque

“The Theory of Algebraic Numbers” by H. Pollard and H. G. Diamond

Other good books on the subject include:

“Number Theory” by Z. I. Borevich and I. R. Shafarevich

“Elementary and Analytic Theory of Algebraic Numbers” by W. Narkiewicz

Grading: Homework (50%), 1 Test (20%), 1 Final (30%)

Date and Time of Final Exam: Monday, May 1st, 2:00 p.m.–5:00 p.m.

Attendance Policy: It is not intended that you take advantage of the fact that class notes are available and miss lectures. You are expected to attend each lecture. You will be considered absent if you miss more than ten minutes of a lecture. If you are absent for more than four lectures, your letter grade at the end of the course will be one-half of a letter grade lower than the grade determined from the homework, test, and final exam. If you are absent for more than eight lectures, you should withdraw from the course; if you do not, your letter grade at the end of the course will be one full letter grade lower than the grade determined from the homework, test, and final exam.

Homework Policy: Homework assignments must be turned in on time. Late homework will not be accepted. Although you are encouraged to work on homework together, you are expected to write up your homework solutions independently and without the aid of other people’s written solutions to the problems.