SYLLABUS: MATH 788
The Theory of Irreducible Polynomials II
LC 310 at 12:00 noon-12:50 p.m. on MWF

Instructor: Michael Filaseta

Office: 317D LeConte

Email: filaseta@mailbox.sc.edu (encouraged to use)

Office Phone Number: 777-7464

Office Hours: 1:00-2:00 p.m. on MWF, and by appointment
(avoid coming by my office the half-hour before class)

Text Book: None (see notes on web page; password will be given during class)

Web Page for Course:
http://www.math.sc.edu/~filaseta/gradcourses/Math788G/Math788G.html

Grading: Homework (50%)
Optional Final Exam (50%)

Date & Time of Final Exam: Monday, May 1, 12:30 p.m.-3:00 p.m.
(No exceptions can be made to the scheduled time.)

Note: The last day to drop the class without a WF being recorded is Thursday, March 2nd.

Cell Phone Policy: Please remember to turn your cell phone on silent prior to class.

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. Unless you have made alternative arrangements with me, if you are absent for more than four lectures, then the final exam is not optional for you.

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 to write up your homework solutions independently and without the aid of other people's written solutions to the problems.

Learning Outcomes: This course, like other courses at a serious university, will help students determine whether they are able or truly want to pursue a career that involves the topics covered. With this in mind, there are three possibilities: (i) Students will master concepts and be able to solve problems associated with irreducibility results on the composition of polynomials, $0, 1$-polynomials and sparse polynomials, as well as connections to covering systems with a conjecture of Turan and computational aspects of polynomial factorization. (ii) Students will discover that they cannot or do not want to master these concepts. (iii) Some combination of (i) and (ii).