

Math 678 Syllabus
Winter 2016

1. General information

Time and place: TuTh 2:30pm–4:00pm in 2866 East Hall

Professor: Snowden (Office: 4855 East Hall; e-mail: asnowden@umich.edu)

Office hours: By appointment

Text: Washington, Introduction to cyclotomic fields, 2nd ed.

2. Material

This course is a topics class in algebraic number theory that will provide an introduction to Iwasawa theory. A solid background in basic algebraic number theory is assumed. The primary goal of the class is to formulate the so-called “Main Conjecture” of Iwasawa theory and explain its proof (at least in some special cases) by Euler systems.