

MTHS 662, Introduction to Number Theory

Syllabus

Summer, 2010

We will read the book, "Elementary Number Theory" by Charles Vanden Eynden. (Check with Broad Street Books to see which edition will be used).

We hope to discuss the first five chapters of this book. The topics they cover: divisibility, primality, arithmetic functions, and linear and quadratic congruences, will introduce the basic ideas and methods of the subject. Depending on our progress and the interest of the class, we may discuss other topics such as continued fractions or Diophantine equations.

There will be regular homework but no written exams.. Active class participation is expected.

Please note: no prior familiarity with the subject in general or the above topics in particular is expected.