Instructor: Professor R. Alperin;
  Office hours: Duncan 239, MW: 10:30-11:15, M: 3-5 PM or by appointment,
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Text: Lecture notes

Course: Theory of Numbers
  The main goal of this class is to introduce students to the problems and methods of
  number theory with emphasis on algebraic methods. Number theory is concerned with solving
  integral equations for integer solutions. We will concentrate on equations of degree at most
  3. Sometimes other number systems are used as an aid the discussion: rational numbers,
  real numbers, complex numbers, modular numbers, $p$-adic numbers, or quaternion algebras.
  Example: What are all the integer solutions to the equation $x^2 - y^2 = 5$.

  The prerequisite is Math 128a&b or Math 128a & 126 with a grade of B or better.

  Homework assignments will be given each class. Students must prepare a notebook of
  homework assignments which will be collected as announced. Your final grade is based on
  homework scores and take-home tests.