An inquiry-based number theory course.

We will discuss a number theory course where students discover most of the theorems and provide their own proofs. During class time, students work together in a computer lab conducting numerical experiments which help them make good conjectures, which they then try to prove. Course materials include Maple worksheets/Mathematica notebooks designed to guide students to the main theorems of the course. There is also a version of the course materials which works with just a web browser. (Received September 15, 2006)