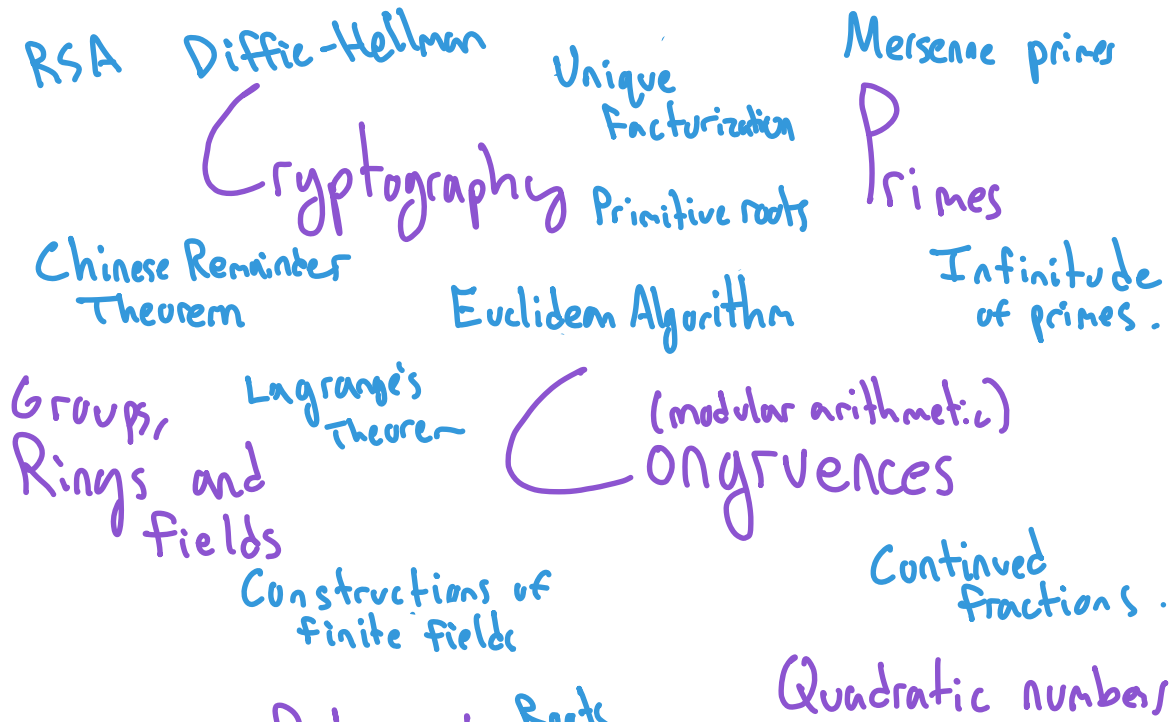


Math 4400

Week 9 - Tuesday

What else can I do?

The first 8 weeks of 4400:



Polynomials

The remaining 7 weeks

① Squares modulo p and quadratic reciprocity.

② Sums of two squares
 $n = a^2 + b^2$

③ Pell's equations
 $x^2 - Dy^2 = 1$ x, y, D integers
 D squarefree...

④ (Not on the final) Elliptic Curve cryptography.

Squares mod p starting Tuesday —
See you in class!