

ALGEBRA II
fall 2014
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Introduction to Algebraic Geometry with connections to Number Theory. (Schemes, Projective schemes, Picard group) and we will go more deeply in the theory of Algebraic Curves and Algebraic Surfaces (Duality and Riemann Roch theorem).

Books:

Hartshorne Algebraic Geometry

Shafarevich Basic Algebraic Geometry

+my notes Basic Arithmetic Geometry on my web page