

ALGEBRAIC GEOMETRY SYLLABUS 2015-2016

T. ABDELGADIR (10 LECTURES, 15 HOURS)

The course will follow *Undergraduate Algebraic Geometry* by Miles Reid. We will aim to cover Chapters 1 through to Chapter 5. The titles of the chapters are listed below:

- (1) Plane conics
- (2) Cubics and the group law
- (3) Affine varieties and the Nullstellensatz
- (4) Functions on varieties
- (5) Projective and birational geometry.