

ALGEBRAIC GEOMETRY I (5010), FALL 2018

Professor: Anand Patel (anand.patel@okstate.edu)

Lectures: TuTh 2-3:15, **Classroom:** 509 MSCI

Course Description: The goal of this course is to become comfortable with algebraic varieties (both affine and projective).

Textbook: *Basic Algebraic Geometry I: Varieties in Projective Space* (Fourth Edition) by Igor Shafarevich. **The book is absolutely essential – we will be following it closely.**

Homework: Homework is due every week. It is by far the most important part of the class, and is absolutely essential for learning algebraic geometry.

Grading:

(1) Homework 100%

Classroom Etiquette: Please arrive on time. And please, cell phones, beepers, and laptops should be turned off and put away during lectures.

Office Hours: Office: 529 MSCI. Time to be determined – you can always schedule an appointment.

Academic Integrity: Discussion and the exchange of ideas are essential to doing academic work. For assignments in this course, (not exams) you are encouraged to consult with your classmates as you work on problem sets. However, after discussions with peers, **make sure that you can work through the problem yourself and ensure that any answers you submit for evaluation are the result of your own efforts.**