Syallabus for Introduction to Algebraic Geometry

(1) Ideals in polynomial rings

(2) Prime ideals and primary decomposition

(3) Hilbert basis Theorem

(4) Noether normalization

(5) Hilbert Nullstellensatz

(6) Projective varieties

(7) Algebraic curves

(8) Bezout's Theorem

(9) Elementary dimension theory

First five topics can be found in any book on introductory commutative algebra. The last four topics can be found in introductory algebraic geometry book.

References:
(1) Undergraduate commutative algebra --Miles Reid
(2) Introduction to commutative algebra --Atiyah and Macdonald

(3) Basic algebraic geometry --Shafarevich
(4) Algebraic Geometry –Joe Harris