

Basic notions of Algebraic Geometry and Commutative algebra (they were covered in the first part of the course). In the beginning I will try to repeat basic notions and results.

Knowledge of basic notions of algebra - field, characteristic of a field, algebraically closed field, polynomial algebra.

In the process of the course some geometric intuition will be useful; so the familiarity with basic notions of differential geometry will be helpful.

Most of the necessary facts from commutative algebra will be proved in class.