**MA\*713 Commutative Algebra**

Commutative rings, ideals, prime and maximal ideals, Noetherian Artinian rings, Primary decomposition and Noetherian rings, Modules over commutative rings, Exact sequences, the Hom and tensorufunctors, rings and modules of fractions, integral dependence, valuations and dedekind domains.

**References:**

1. M. F. Atiyah and I. G. Macdonald: Introduction to Commutative Algebra, Addision-Wesley , 1969.
2. N. S. Gopalakrishnan: Commutative Algebra, Oxonian Press, 1984.