

MA-436: THEORY OF MODULES

Elementary notions and examples, Modules, submodules, quotient modules, finitely generated and cyclic modules, exact sequences and elementary notions of homological algebra, Noetherian and Artinian rings and modules, radicals, semisimple rings and modules.

RECOMMENDED BOOKS:

1. Adamson, J., Rings and modules.
Blyth, T.S., Module theory, Oxford University Press, 1977.
2. Hartley, B. and Hawkes, T.O., Rings, Modules and Linear algebra, Chapman and Hall, 1980.
3. Herstein, I.N., Topics in Algebra, John Wiley and Sons, 1975.