

# Course Description – Curriculum 2018

**Subject:** EC320 Introductory Mathematical Economics

**Credits:** 3

**Prerequisite:** EC213, EC214 and MA 216 (or MA 211)

**Description:** Applying mathematical concepts and tools such as functions, equations, matrices, univariate and multivariate differential calculus, constrained and unconstrained optimization, and basic integral to understand the relationship between different economic variables and explain concepts of Microeconomic theory and Macroeconomic theory. An emphasis will be placed on relationships between total, average, and marginal functions, the analyses of elasticity, market equilibrium, impacts of taxation, and the basic input-output model.