

THIRD YEAR

Engineering economy	E301
Prerequisite : None	(2-2-0-0)

Principles of Engineering Economy. Equivalence and compound interest formula Single payment model. Uniform payment model. Gradient payment model. Decision criteria for single and multiple alternatives: Present worth, annual worth, future worth, annual rate of return, and benefit cost ratio. Before and after tax analysis. Economic laws. Comparison among projects. Projects evaluation. Replacement. Inflation. Cost estimation, cost control monitoring and accounting, Strategic planning, Stakeholder management, procurement management and risk management.