

Course ID	21131
Course Title	Engineering Economy
Credit Hours/Units	3
Prerequisites/Corequisites	Probability Theory & Its Applications
Course Content: <ul style="list-style-type: none"> - Defining Alternatives & Predicating Their Consequences - The Need for Criteria & Analytical Procedures to Make Decisions - Market Interest Rate, Real Interest Rate, Nominal Interest Rate, Effective Interest Rate - Sensitivity Analysis - Equivalence - Time Value of Money - Present Worth Analysis - Equivalent Uniform Annual Worth (EUAW), Equivalent Uniform Annual Benefit (EUAB), Equivalent Uniform Annual Cost (EUAC), Equivalent Annual Cash Flows Analysis - Rate of Return Analysis - Benefit-Cost Ratio Analysis - Depreciation - Income Taxes - Replacement Analysis - Inflation - Uncertainty - Breakeven Analysis - Payback Period Analysis - Probability Applications in Engineering Economics - Corporate Decision Making: Choosing Projects 	
References: <ul style="list-style-type: none"> - William G Sullivan & Elin M Wicks & C. Patrick Koelling. ENGINEERING ECONOMY (PEARSON Prentice Hall) - Blank, H.T. & A.J Tarquin. Engineering Economy (New York: McGraw Hill) - Eschenbach, T. G., Lavelle, J. P., Whittaker, J. D., Jones, J. D., Newnan, D. G. Engineering Economic Analysis (Canada: Oxford University Press) 	