

Course Name: Strategic Cost Analysis for Project Managers and Engineers	
Area of Study	Classroom Hours:
Project Management Fundamentals	7
Description:	
<p>This course presents the basic tools of strategic cost analysis and engineering economy principles used by managers, project managers, and engineers. The course uses many illustrative problems to provide practice in using the expressions and techniques presented.</p> <p>Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.</p> <p>The areas of emphasis are:</p> <ul style="list-style-type: none"> ■ Cash Flow, Profits, Financial Statements and the Purecell Diagram ■ Types of Interest and Money Values used in Cash Flow Analysis ■ Different Formulae used in Engineering Economy Decisions with examples ■ Cash Flow Analysis before Taxes ■ Depreciation Types and Cash Flows after Taxes ■ Project Evaluation Techniques including: present worth, average annual cost, return on investment, return on average investment, rate of return, benefit/cost ratio and project balances ■ Basic Probability and Risk Analysis 	
Students enrolled for this course should have the following:	
<p>This course is intended for managers, engineers, estimators, project planners and project management personnel with a desire to learn strategic cost analysis.</p>	
Upon successful completion of this course, students will be able to:	
<p>Fully understand these concepts and techniques:</p> <ul style="list-style-type: none"> ■ Cash Flows, Profits, Financial Statements and Interest Values ■ Expressions used in Engineering Economics ■ Gradient Expressions ■ Depreciation, Taxes and Profits; Basic Concepts and Advanced Concepts ■ Project Evaluation Techniques; Basic Techniques ■ Project Evaluation Techniques (Based on Internal Rate of Return, Benefit-Cost Ratio and Practical Cases and Examples) 	