



ENMG 658: Financial Management for Non-Financial Professionals Course Overview

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Course Description

This course focuses on analysis and interpretation of financial statements with emphasis on the measurement of results of operations and financial position of business organizations. The course covers the fundamentals of reading and analyzing financial statements and reports in an engineering or science-based business setting. The course will cover budgeting, profit planning, return on investment, risk and return, strategy and other financial information used in business decision-making. Students will analyze various types of contracts based on cost structure and prepare budgets for grant funding.

Course Objectives:

Upon the completion of the course, the student should be able to:

- Read and analyze financial statements including statement of cash flows
- Demonstrate knowledge of funding sources for companies and understand funding options available
- Know how to present financial information to potential investors
- Demonstrate knowledge of cost analysis, and the relationship between operations and finance
- Understand asset valuation, product pricing and cost analysis
- Utilize various financial tools including key financial ratios, return on assets and investment, and net present value analysis
- Make effective capital procurement decisions utilizing various analytical techniques such as payback period and purchase vs. lease analysis
- Develop a project budget
- Analyze contracts and grant proposals in order to prepare budgets