



Course Title: Finance for Project Managers and Engineers

Course Length: 2 days, in-person

Time in Class per day (hours): 8 hours of in-person instruction

Delivery Options: Company site or at provider

Class Size: Minimum 6 / Maximum 12

Price Per Student: \$705.00

Location: Oakland County *or* Company Site

Course Description:

In the corporate world (or small business world for that matter) there are two types of information that people use to make decisions. Those on the outside of the company utilize the traditional Income Statement, Balance Sheet, and Cash Flow Statements. Typically, these folks are considering buying stock or lending money or thinking about mergers, etc.

The managers of the company (the day to day operations people) need much more detailed or Micro info. This world is called Managerial Accounting. Managerial Accounting is provided for the sole use of understanding the specifics of a given operation or department. Understanding these financial tools (ratios, variance calculations, budget data), if used effectively, can propel a department to higher productivity and therefore higher profitability. Good decisions are made when the basis of the decision is cemented in critical data that is well understood and consistently interpreted. Managers need to understand their numbers, but more importantly they need to understand how to use the numbers to achieve their goals and objectives. In the business world today, engineers and other technical people are required to be great engineers and great managers. To be great managers they must “know their numbers” and utilize Managerial Accounting data to bring home a profitable project.

Course Learning Objectives:

Upon completion of this course participants will be able to:

- Understand the key differences between Corporate Account versus Managerial Accounting
- Understand basic financial statements
- Learn the language, acronyms, vocabulary, etc.
- Make better decisions using tools such as ratio and variance analysis
- Understanding Risk versus Reward



Course Content/Syllabus:

Understanding Finance (Macro View of Corporate Finance)

- Understanding all aspects of Corporate Finance and how they apply to day to day managers.
- Understanding key concepts in accounting; payables, receivables, depreciation, assets, liabilities.
- Accounting terminology explained

Financial Analysis (Understanding accounting and finance tools at the operations level)

- Key financial ratios
- Linking finance to operations
- Variable versus fixed costs
- EBIT, EBITDA
- Overhead Allocation

Budgeting, Forecasting, Pro-Forma Creation

- Planning a budget
- Monitoring and controlling a budget
- Variance analysis
- Time value of money
- Vertical and Horizontal Integration
- Risk

Accountability and Transparency

- Policies
- Procedures
- Documentation and support

A quick overview of Financial Reports (A look at the reports utilized at the Corporate level)

- The Statement of Financial Position (Balance Sheet)
- The Statement of Operations (Income Statement)
- The Statement of Cash Flows
- Significant accounting policies and notes to the financial statements

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