

Course Overview:

This course is tailored for beginner-level maintenance and engineering professionals seeking to understand financial principles within a corporate environment. It introduces essential financial concepts, planning tools, and cost control measures crucial for effective project management. By equipping engineers with foundational financial skills, the course enhances their ability to participate in and influence strategic financial decisions in technical projects.

Course Objective:

- Understand core financial management concepts relevant to engineering.
- Apply budgeting and cost control techniques in technical projects.
- Conduct financial planning and forecasting for engineering initiatives.
- Analyze investment opportunities using appraisal methods.
- Recognize financial risks and implement effective mitigation strategies.

Course Outline:**Module 1: Basics of Financial Management**

- Financial management overview
- Role in engineering projects
- Key financial terms and concepts

Module 2: Financial Planning and Analysis

- Strategic financial planning
- Financial analysis techniques
- Financial forecasting

Module 3: Budgeting in Engineering Projects

- Budget preparation
- Monitoring and controlling budgets
- Variance analysis

Module 4: Cost Control and Management

- Cost estimation techniques
- Managing project costs
- Cost reduction strategies

Module 5: Investment Appraisal

- Evaluating investment projects
- Net Present Value (NPV) and Internal Rate of Return (IRR)
- Payback period and Return on Investment (ROI)

Module 6: Financial Risk Management

- Identifying financial risks
- Risk mitigation strategies
- Risk management tools

Module 7: Financial Reporting and Compliance

- Understanding financial reports
- Regulatory compliance
- Ethical considerations in financial reporting

Module 8: Emerging Trends in Financial Engineering

- Technological advancements in finance

Training Language:

English-Arabic

Training Methodology:

The course combines various teaching methods, including instructor-led presentations, group discussions, case study analyses, and assessments through quizzes and a final exam to engage participants and ensure they understand and retain the material.

Venue | Date | Fees

Riyadh | 03-08-2025 | 17,250 SAR

- Sustainable finance
- Global financial trends impacting engineering

Who Should Attend:

- Engineers and technical staff
- Junior project managers
- Maintenance supervisors
- Engineering team leads