

MSE-481 Maintenance Management

Credit Hours: 3-0

Pre-requisites: None

Course Objectives

- To know about the basic of maintenance budget, benchmarking, deterioration of assets, Life cycling costing, statistics in maintenance, Project management, Computerized Maintenance Management Systems, and inventory control.

Course Contents

- Maintenance Budget
- Evaluating Maintenance
- Benchmarking
- Deterioration of Assets
- Life Cycle costing
- Reengineering
- Maintenance quality improvement
- Maintenance reliability
- Maintenance information flow
- Statistics in maintenance
- Project management
- CMMS, Computerized Maintenance Management Systems
- Inventory control
- Training Programs in maintenance
- Work order systems
- Preventive maintenance
- Reporting and analysis
- Integration of maintenance management

Course Outcome

- Students will be able work on maintenance budget. Benchmarking, Deterioration of Assets, Life Cycle costing, reengineering, maintenance quality

improvement, maintenance reliability, maintenance information flow, statistics in maintenance, Project management, CMMS, Computerized Maintenance Management Systems, inventory control.

Suggested books

- Joel Levitt, *Handbook of Maintenance Management*, Industrial Press Inc., 2009
- Terry Wireman, *World Class Maintenance Management*, Industrial Press, 1990