

COURSE OUTLINE

MAMT-241 Project Management 3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

As a result of taking this course, the student will be able to estimate the time, manpower needs and equipment costs for the life cycle of a project. The student will be able to utilize various plan-relationships of the industry to the audience, advertisers, and government regulators. Prerequisite: ENGL-121 or ENGL-101. (3 hours weekly)

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Identify how to structure a project management team.
2. Explain the need for project management in industry.
3. Understand the steps in the planning process.
4. Identify objectives that will assure projects receive the necessary support.
5. Identify problems to avoid delays in scheduling, by assessing team members strengths and weaknesses.
6. Identify how objectives drive the plan.
7. Identify and understand why a goal must be measured by time, target and budget.
8. Identify and compare project scheduling through the use of PERT, CPM and GANTT charting techniques.
9. Understand the time weighted average formula.
10. Understand why project tasks or activities need to flow in a sequence.
11. Explain how productivity is measured using a mathematical time estimate model.
12. Evaluate the cost components of time, overhead, materials, supplies, equipment, and administration in the profit equation.
13. Evaluate various project controls as a measurement of plan.
14. Evaluate milestones through progress monitoring concepts.
15. Understand the matrix reporting relationship under a project management team versus a traditional functional management approach.
16. Understand systems elements, concepts and principles of a work breakdown structure.

Major Topics

- I. Characteristics of Project Management
- II. The Planning and Control Cycle
- III. Organization and Project Management
- IV. Implementation of Project Plan
- V. Management Reporting

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following:

Students will be expected to analyze project management cases and prepare proposals. They will be graded based upon written and verbal presentations as well as examinations.

Other Course Information

This course is a business elective.