

Montgomery County Community College  
 CIS 231 - MGT 231  
 Project Management  
 3-3-0

**COURSE DESCRIPTION:**

This course will introduce students to key aspects of contemporary project management. Through hands-on exercises and case studies, students will learn the project planning process in detail, culminating in the creation of a baseline plan and budget using a state-of-the-art project management tool. Topics addressed will be project scope and objectives, deliverables, milestones, tasks, work breakdown structure, responsibility and authority, project network, critical path analysis, costs, resource allocation, and auditing.

**REQUISITES:***Previous Course Requirements*

- CIS 110 Information Systems for Management with Computer Applications
- MGT 111 Principles of Management or equivalent business experience

*Concurrent Course Requirements*

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Explain the principles of cost estimation and budgeting.	Discussion Case Studies Current Events Assignments Multi-Media Materials Projects	Quizzes/Exams
2. Describe the procedures involved in project planning including quality control and risk management.	Discussion Case Studies Current Events Assignments Multi-Media Materials	Quizzes/Exams Written Assignment: Essay Questions

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Analyze planning fundamentals such as Logic Diagrams, the critical path method (CPM) and Gantt, PERT (program evaluation and review technique) and GERT (graphical evaluation and review technique) charts.	Discussion Case studies Current events Assignments Multi-media materials	Quizzes/Exams Lab Exercises Written Assignment: Case Study
4. Explain techniques for controlling and monitoring the progress of projects.	Discussion Case Studies Current Events Assignments Multi-Media Materials	Quizzes/Exams Written Assignment: Essay Questions
5. Identify the roles various individuals play in the project management process.	Discussion Case Studies Current Events Assignments Multi-Media Materials	Quizzes/Exams Written Assignment: Essay Questions

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

#### SEQUENCE OF TOPICS:

1. Overview of Modern Project Management Principles
2. Why Use Project Management?
3. Systems Thinking
4. Stages of the Systems Development Life Cycle
5. Key Elements of Project Management Information Systems (Application Software)
6. Project Planning
7. Network Scheduling
8. PERT, CPM, GERT and Resource Allocation
9. Cost Estimation and Budgeting
10. Risk Management
11. Project Control
12. Project Evaluation, Reporting and Termination
13. Key Project Management Roles
14. Managing Teams and Resolving Conflict
15. Learning from Failed and Successful Projects

LEARNING MATERIALS:

Gray, Clifford and Larson, Erik W. (2018). *Project Management: The Managerial Process*. McGraw-Hill.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Alan Evans

Date: 10/2001

Revised by: Eileen Kearney

Date: 3/2005

Revised by: Eileen Kearney

Date: 6/2013

VPAA/Provost or designee Compliance Verification:

Victoria L. Bastecki-Perez, Ed.D.

Date: 6/21/2013

Revised by: Eileen Kearney

Date: 2/27/2018

VPAA/Provost or designee Compliance Verification:

Date: 2/28/2018



*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*