Western Technical College

10196188 Project Management

Course Outcome Summary

Course Information

Description	Learners explore the importance of project management in business environments. Learners create successful proposals and plan, schedule and budget for a project. Team leadership and communication are practiced. Microsoft Project assists them in monitoring the progress of the project, including the use of Gantt Charts, Program Evaluation and Review Technique (PERT) and Critical Path Method (CPM). Includes professional presentation of your project.
Career Cluster	Business Management and Administration
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	54

Textbooks

Fundamentals of Project Management. 6th Edition. Copyright 2022. Heagney, Joseph. Publisher: HarperCollins Publishers. **ISBN-13:** 978-1-4002-3526-1. Required.

Program Outcomes

1.   Utilize continuous improvement strategies to achieve performance excellence

2.   Apply effective leadership skills

3.   Perform management functions to achieve organizational objectives

Course Competencies

1.   Examine the role of project management.

   Assessment Strategies

1.1.   Interview
1.2.   Written Product
1.3.   Case Study

Criteria

You will know you are successful when

1.1.   you complete a list of terms and definitions.
1.2.   you classify each phase of project management and when it is used.
1.3.   you interview a person who has managed a project.
1.4.   you compare different project manager roles.
1.5.   you describe characteristics of successful and unsuccessful projects.
1.6.   you use case study to examine projects.

Learning Objectives
1.a.   Differentiate the tasks involved in project management.
1.b.   Differentiate the assignments and responsibilities for the project manager.
1.c.   Understand the benefits of project management.
1.d.   Identify the phases of project management.

2.   Develop project proposal.

Assessment Strategies
2.1.   Case Study
2.2.   Project

Criteria

You will know you are successful when

2.1.   you analyze needs.
2.2.   you examine case study.
2.3.   you complete a project proposal.
2.4.   you apply project checklist.

Learning Objectives
2.a.   Understand the preparation process and the elements that may be included in a proposal.
2.b.   Construct project proposal for chosen project.
2.c.   Explore considerations of a project proposal.

3.   Develop the sequence of project activities.

Assessment Strategies
3.1.   Project
3.2.   Written Product

Criteria

You will know you are successful when

3.1.   you submit a resource requirement list.
3.2.   you calculate the amount of slack time for each activity utilizing a network diagram model.
3.3.   you complete sequencing diagrams.
3.4.   you identify and explain activity versus milestones.
3.5.   you sequence activities for project.
3.6.   you identify critical path for project.

Learning Objectives
3.a.   Differentiate between activity, task and milestone.
3.b.   Determine the duration of each activity.
3.c.   Determine resources required for each activity.

4.   Determine course of action based upon variations of project.

Assessment Strategies
4.1.   Written Report
4.2.   Project

Criteria

You will know you are successful when

4.1.   you explore budgeting changes due to project variations.
4.2.   you submit updated schedules on completion process.
4.3.   you define variations for specific projects.
4.4.   you identify course of action to continue project.
4.5.   you examine the effect of triple constraints on a project.

Learning Objectives

4.a.   Analyze status and progress reports.
4.b.   Incorporate changes into project plan.
4.c.   Calculate and update project schedule.
4.d.   Produce new resources list based on project variation(s)

5.   Prepare budget for allocation of resources.

Assessment Strategies

5.1.   Project
5.2.   Written Product

Criteria

You will know you are successful when

5.1.   you establish the planned resource utilization for their project.
5.2.   you determine resources required for the project plan.
5.3.   you submit a project budget.
5.4.   you identify the parameters and limitations of available resources.

Learning Objectives

5.a.   Estimate costs of required resources.
5.b.   Allocate resources according to tasks and plan schedule.
5.c.   Identify project limitations due to budget.

6.   Assess project outcome.

Assessment Strategies

6.1.   Self Assessment
6.2.   Project
6.3.   Presentation

Criteria

You will know you are successful when

6.1.   you evaluate individual project.
6.2.   you identify potential outcomes.
6.3.   you present project results.
6.4.   you defend project outcomes.

Learning Objectives

6.a.   Evaluate potential project outcomes.
6.b.   Recommend options for future actions.

7.   Examine personnel needs for successful project teams.

Assessment Strategies

7.1.   Written Product

Criteria

You will know you are successful when

7.1.   you determine appropriate project team members.
7.2.   you complete stakeholder analysis.
7.3.   you identify training needs.
7.4.   you understand the need for project members dismissal.

7.5.   you organize project closure.

Learning Objectives
7.a.   Define the concept of teamwork and its importance to project management.
7.b.   Complete a plan for a potential project team member dismissal.
7.c.   Produce a training plan that meets the needs of the project team.

8.   Explore the use of project software.

Assessment Strategies
8.1.   Written Product

Criteria

You will know you are successful when

8.1.   you identify capabilities of various project software.
8.2.   you compare project management software based on industry need.

Learning Objectives
8.a.   Recognize the capability of various Project Management Software.
8.b.   Explore Project Management software through practice and/or observation.

9.   Design a work breakdown structure for a project.

Assessment Strategies
9.1.   Written Product

Criteria

You will know you are successful when

9.1.   you explain the purpose of a WBS.
9.2.   you organize work tasks relevant to the project into proper WBS format.
9.3.   you use WBS processes to plan and monitor project completion.

Learning Objectives
9.a.   Construct a WBS plan for completion of a project.
9.b.   Describe the proper use and application of a WBS
9.c.   Summarize the results of the WBS.