American Public University System

American Military University | American Public University

[ITMG638]

Course Summary

Course: [ITMG638]
Title: [IT Project Management: Execution, Monitoring and Control]
Length of Course: 8
Prerequisites: [leave blank]
Credit Hours: 3

Description

Course Description:

[This course is an advanced study of executing, monitoring, and controlling IT projects. Quality projects do not happen; they must be planned, promoted, and practiced intentionally and deliberately. This course examines the various models and methods for directing and managing project work and risk. This course demonstrates how to apply appropriate execution, monitoring, control, and risk responses to minimize project failure. Students must have access to project management software and tools. Prerequisite: ITMG624]

Course Scope:

[Develop a project management plan that includes resource executing, resource monitoring, resource controlling tools and techniques, and risk response analysis. Examine the various theories and tools and apply these theories and tools to develop effective project management. Analyze the impact of globalization on project human resource management and on developing effective project teams. Appraise the inherent risk in the various kinds of projects. Examine the principles, procedures, best practices, tools, challenges, and risk for effective proposal and contract administration.]

Objectives

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.

- CO2. Assess the tenets of project quality management to apply appropriate risk responses.

- CO3. Demonstrate use of schedule assessments such as Monte Carlo and PERT.

- CO4. Integrate change control to determine the impact of change on project limitations.

- CO5. Examine the use of earned value management used to measure progress achieved in project management.

- CO6. Apply methods of monitoring and creating a project dashboards.

- CO7. Collaborate on relevant ideas and concepts in a substantive manner, showing a clear understanding.

Outline

Week 1: Direct and Manage Project Work

Learning Objectives:

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.

- CO7. Collaborate on relevant ideas and concepts in a substantive manner, showing a clear understanding.

Reading(s)

- Assigned Reading

Assignment(s)

- Welcome Discussion

Week 2: Schedule Assessment: Monte Carlo and PERT

Learning Objectives:

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.
- CO3. Demonstrate use of schedule assessments such as Monte Carlo and PERT

Reading(s)

- Assigned Reading

Assignment(s)

- W2: Assignment #1 - Schedule Management Metrics
- W2: Assignment #2 - PERT Problem Set

Week 3: Monitoring and Project Metrics

Learning Objectives:

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.
- CO3. Demonstrate use of schedule assessments such as Monte Carlo and PERT.

Reading(s)

- Assigned Reading

Assignment(s)

- W3: Assignment #3 - Cost Management Metrics
- W3: Assignment #4 - Monte Carlo Simulation

Week 4: Project Quality Management

Learning Objectives:

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.

- CO2. Assess the tenets of project quality management to apply appropriate risk responses.

- CO7: Collaborate on relevant ideas and concepts in a substantive manner, showing a clear understanding.

Reading(s)

- Assigned Reading

Assignment(s)

- Week 4 Discussion
- W4: Assignment #5 - Quality and Risk Management Metrics

Week 5: Earned Value Management

Learning Objectives:

- CO1. Examine the various tools, techniques, principles, and practices used to direct and manage project work.

- CO5. Examine the use of earned value management used to measure progress achieved in project management.

- CO4. Integrate change control to determine the impact of change on project limitations.

Reading(s)

- Assigned Reading

Assignment(s)

- W5: Assignment #6 - Earned Value Management Metrics

Week 6: People-Stakeholders, Team, and Suppliers -Earned Value Management

Learning Objectives:

- CO5. Examine the use of earned value management used to measure progress achieved in project management.

- CO7. Collaborate on relevant ideas and concepts in a substantive manner, showing a clear understanding.

- CO6. Apply methods of monitoring and creating a project dashboards.

Reading(s)

- Assigned Reading

Assignment(s)

- Week 6 Discussion
- W6: Assignment #7 - Earned Value Problem Set

Week 7: Integrated Change Control

Learning Objectives:

- CO6. Apply methods of monitoring and creating a project dashboards.

Reading(s)

- Assigned Reading

Assignment(s)

- W7: Assignment #8 - Change Management Metrics

Week 8: Creating a Project Dashboard

Learning Objectives:

- CO6. Apply methods of monitoring and creating a project dashboards.

- CO7. Collaborate on relevant ideas and concepts in a substantive manner, showing a clear understanding.

Reading(s)

- Assigned Reading

Assignment(s)

- Week 8 Discussion

- W8: Assignment #9 - Final project Management Dashboard

Evaluation

This course has a strong writing component. The goal is to organize, synthesize, and demonstrate your comprehension of core concepts investigated during this course by applying a combination of the terms, concepts, and details you have learned in a systematic way. As important as "the details" that you analyze and arrange in your writing, however, are the conclusions you draw from those details, and your predictions, responses to, and ultimate interpretation of those details.

Students are expected to maintain routine contact with the instructor throughout the course. While the number of contacts may vary according to the specific course and individual student need, the University requires periodic weekly contacts during the semester. Contact will consist of professor notes, Discussion interaction, and email feedback.

TEXTBOOK READINGS

Opened education resources and support materials are used in this course! Review the course content in the classroom to see assigned readings for each week.

ASSIGNMENTS
The projects for this course are located throughout each Lesson. The projects that are required for grading with this course are created from scratch.

DISCUSSION
The discussions for this course are designed to promote interactivity among students and enhance the online learning process. The Discussion provides maximum flexibility because you do not have to be online at the same time as another person and you can read what other students have written.

Discussion Timing: For the discussion, you must post your work by midnight on **Thursday**, continue to follow your classmates' posts for the remainder of the week, and post the follow-up peer responses prior to midnight on Sunday, except for week one. Your follow-up posts can add additional insight to a classmate's opinions or can challenge their opinions. Use examples from the readings, or from your own research, to support your views, as appropriate. Be sure to read the follow-up posts to your own posts and reply to any questions or requests for clarification. You are encouraged to conduct research and use other sources to support your answers.

Required Participation: Please keep in mind that the discussion assignments require you to make at least 1 post to the discussion with paragraph equivalent about the topic and also respond to at least 2 peers' posts with paragraph equivalent. Please be advised that there will be point deductions if you

do not comply with these requirements of the assignment. Each one of you will have a different and unique experience that we can all learn from. Your participation in the Discussions unleashes the power of synergy in our classroom. To facilitate this interaction, please be prompt when posting your discussion work for each week; this provides time for the others to actively engage in the dialogue. For practical reasons, when you respond to other learners' posts, please start your response by referencing their name. I will read and grade your participation by reading the discussion. There is no need to also post your discussion work in the assignments area of the classroom. Refer to the discussion and the syllabus for more details on grading.

Grade Instruments	Points
Weekly Discussions	20
Assignments	50
Final Project	30
Total	100

Materials

ITMG638 - IT Project Management: Execution, Monitoring and Control / Various Instructors / July 2022 and Beyond

OER (Ebook available through the APUS Online Library)

Project Management Institute. (2021). *The standard for project management and guide to the project management body of knowledge (PMBOK® Guide)* – 7ed. Project Management Institute.

Project Management Institute	Guide to the Project Management Body of Knowledge-PMBOK Guide, 7th ed. (PMI membership is recommended but not required- see more information here- https://apus.libanswers.com/coursematerials/faq/277540) - eBook available in the APUS Online Library

Communications
Student Communication

To reach the instructor, please communicate through the MyClassroom email function accessible from the Classlist of the Course Tools menu, where the instructor and students email addresses are listed, or via the Office 365 tool on the Course homepage.

- In emails to instructors, it's important to note the specific course in which you are enrolled. The name of the course is at the top center of all pages.
- Students and instructors communicate in Discussion posts and other learning activities.
- All interactions should follow APUS guidelines, as noted in the Student Handbook, and maintain a professional, courteous tone.
- Students should review writing for spelling and grammar.
- Tips on Using the Office 365 Email Tool

Instructor Communication

The instructor will post announcements on communications preferences involving email and Instant Messaging and any changes in the class schedule or activities.

- Instructors will periodically post information on the expectations of students and will provide feedback on assignments, Discussion posts, quizzes, and exams.
- Instructors will generally acknowledge student communications within 24 hours and respond within 48 hours, except in unusual circumstances (e.g., illness).
- The APUS standard for grading of all assessments (assignments, Discussions, quizzes, exams) is five days or fewer from the due date.
- Final course grades are submitted by faculty no later than seven days after the end date of the course or the end of the extension period.

University Policies

Consult the [Student Handbook](#) for processes and policies at APUS. Notable policies:

- [Drop/Withdrawal Policy](#)
- [Academic Probation](#)
- [Appeals](#)
- [Academic Dishonesty / Plagiarism](#)
- [Disability Accommodations](#)
- [Student Deadlines](#)
- [Video Conference Policy](#)

Mission

The [mission of American Public University System](#) is to provide high quality higher education with emphasis on educating the nation's military and public service communities by offering respected, relevant, accessible, affordable, and student-focused online programs that prepare students for service and leadership in a diverse, global society.

Minimum Technology Requirements

- Please consult the catalog for the minimum hardware and software required for [undergraduate](#) and [graduate](#) courses.
- Although students are encouraged to use the [Pulse mobile app](#) with any course, please note that not all course work can be completed via a mobile device.

Disclaimers

- Please note that course content – and, thus, the syllabus – may change between when a student registers for a course and when the course starts.
- Course content may vary from the syllabus' schedule to meet the needs of a particular group.