

Syllabus for ITM 730 Agile and Traditional IT Project Management

NOTE: This syllabus document contains the basic information for this course. The most current syllabus is available in the full course.

Prerequisites

ITM 700 and ITM 710

Course Description

Examines project management concepts as applied to IT projects; covers traditional PMBOK techniques such as project identification, selection, procurement, and cost/schedule preparation and monitoring. Introduces agile IT project management concepts including Scrum and Extreme Programming. Requires students to apply these concepts to group projects.

Course Alignment with Program Outcomes

This course addresses the following competencies and program outcomes of the Masters of Science in Information Technology Management:

Competency A: Conduct financial analysis and develop and manage technology budgets

- Program Outcome 2: Perform financial analysis for IT strategic planning purposes including portfolio management
- Program Outcome 3: Develop and manage technology budgets.

Competency B: Lead and manage technology functions, projects and personnel

- Program Outcome 4: Plan and manage technology projects

Competency C: Demonstrate effective professional collaboration and soft skills appropriate for technology settings

- Program Outcome 8: Demonstrate ability to effectively communicate with stakeholders across the organization
- Program Outcome 9: Demonstrate professional behavioral skills accounting for ethics, diversity and cultural sensitivity

Course Learning Objectives

At the end of this course, you will be able to:

1. Work individually and in collaborative groups on information technology (IT) projects
2. Construct project charter, project schedules, and project plans for information technology projects
3. Conduct feasibility analysis for IT projects and apply project selection criteria
4. Prepare project budgets and schedules for IT projects
5. Manage scope, time and budgets for IT projects
6. Evaluate agile project management techniques for IT projects
7. Develop risk management plans for IT projects
8. Design communication plans for IT projects
9. Apply project quality principles and procurement techniques in the context of IT projects
10. Manage stakeholder expectations and communications in the context of IT projects

Course Activities and Assessments

This course addresses uses a variety of learning activities including discussion case studies, peer reviews, reflection journals, simulations and project management assignments.

Course Outline

The course is organized into the following units. (Check the course calendar for due dates.)

Unit	Topic
0.1	Introduction to Agile and Traditional IT Project Management
0.2	Project Management Approaches
1.0	Project Conception & Initiation
2.0	Project Definition & Planning
3.0	Project Launch & Execution
4.0	Project Performance, Control, & Monitoring
5.0	Project Closure

Grading

Course Grading: Course work will be assessed using a variety of methods.

Assignments	Points
Discussion Case Studies 14 x 25= 350	350
Peer Reviews 5 x 25 = 125	125
Reflection Journals 5 x 25 = 125	125
Simulations 6 X 25 = 150	150
Project Management Assignments 8 x 25 = 200	200
Total Points	950

There are a total of 950 points available in this class (points are subject to change).

Grading Scale:

Letter Grade	Percentage Range
A	90-100%
A-	85-89%
B+	80-84%
B	75-79%
B-	70-74%
C+	65-69%
C	60-65%
C-	55-59%
F	54 and below