CS358 Computer Management

Instructor Information	Shuxi Wang Home Institution: University of International Business and Economics Email: wangshuxi@uibe.edu.cn Office Hours: Determined by Instructor		
Term	December 13, 2021 - January 7, 2022	**Credits**	4 units
Class Hours	Monday through Friday, 120 mins per teaching day		
Discussion Sessions	2.5 hours each week, conducted by teaching assistant(s)		
Total Contact Hours	66 contact hours (1 contact hour = 45 mins, 3000 mins in total)		
Required Texts (with ISBN)	Schwalbe, Kathy. Information Technology Project Management, 9th Edition. Hoboken, New Jersey: John Wiley & Sons, Inc., 2018. ISBN-13: 978-1337101356 672pgs.		
Prerequisite	None (it is better to have the knowledge of software engineering)		

Course Overview

The project management knowledge areas are project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management. The five process groups are initiating, planning, executing, monitoring and controlling, and closing. Not all projects are successful. Factors such as time, money, and unrealistic expectations, among many others, can sabotage a promising effort if it is not properly managed. Although project management has been an established field for many years, managing information technology projects requires ideas and information that go beyond standard practices.

From the smallest to the largest organization, the electronic storage and flow of information is critical to the successful achievement of goals, objectives and the provision of products and services. To manage that delivery process, we now find the construct mechanism for the delivery of those products and services to be the "Project" rather than a series of non- integrated tasks. The increased dependence upon projects necessitates the need for both improved project management and oversight. **The purpose of this course is to assist professionals in understanding the components of complex projects, manage those project components, and to form and lead a project team.** Project Management tools and techniques will be introduced, discussed, and applied.

This course including: Introduction to Project Management; The Project Management and Information Technology Context; The Project Management Process Groups; Project Integration Management; Project Scope Management; Project Schedule Management; Project Cost Management; Project Quality Management; Project Resource Management; Project Communications Management; Project Risk Management; Project Procurement Management; Project Stakeholder Management.

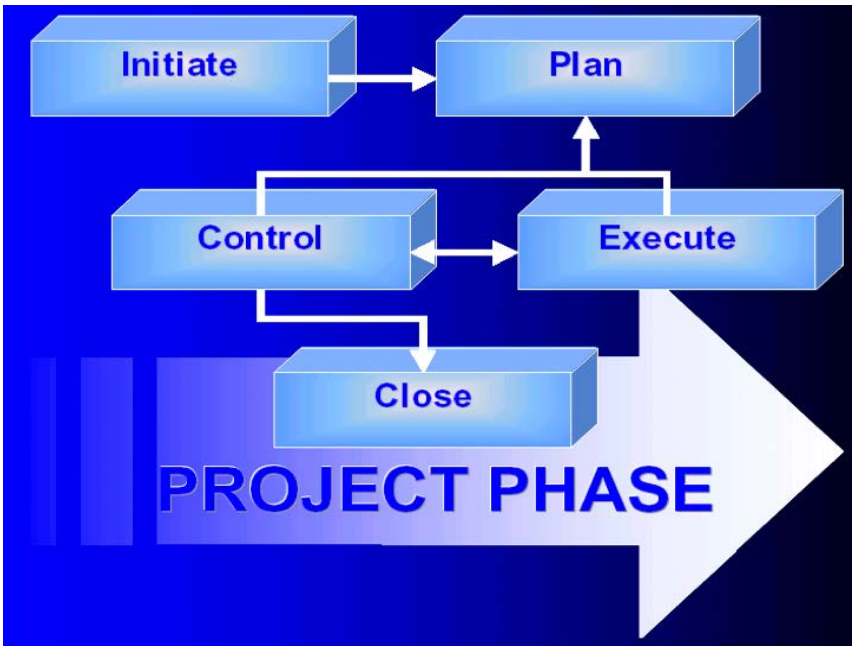
Learning Outcomes

Students who complete this course successfully will be able to do the following:

1. Improve the ability of leadership and agile in the area of project management.
2. Highlight IT project management at work in real, newsworthy companies.
3. Learn recent studies of IT project management and related topics.
4. Build on a foundation of project management gained in previous study, describe complex issues that confront real-world IT project managers.
5. Integrate previous learning with perspectives on real-world challenges for IT project managers in order to identify and describe major IT project management issues.
6. Research and analyze what factors are important to the successful implementation of IT projects in the context of particular business strategies, and in a given business focus area, and how representative organizations within that business focus area seem to be taking advantage of various IT project management strategies and approaches over time and scale.
7. Develop and justify practical strategies, tools and practices that can lead to an adaptive approach to IT project management in a variety of settings, scales and diverse industry applications.
8. Describe resources available to the IT project manager to keep current with trends and best practices in the resolution of complex project management.
9. Summarize the research, analysis and findings in a formal, in-class presentation, and evaluate others' presentations in the context of concepts learned during the course.

Course Structure

According to different project phases to develop a software as below



Grading Policy

Participation	10%
Middle Exam	20%
Projects/Homework	30%
Final Exam	40%

Grading Scale is as follows

Number grade	Letter grade	GPA
90-100	A	4.0
85-89	A-	3.7
80-84	B+	3.3
75-79	B	3.0
70-74	B-	2.7
67-69	C+	2.3
65-66	C	2.0
62-64	C-	1.7
60-61	D	1.0
≤59	F (Failure)	0

Class Schedule

Date	Lecture	Readings
Day 1	Introduction to Project Management	Chapter 1
Day 2	The Project Management and Information Technology Context	Chapter 2
Day 3	The Project Management Process Groups: A Case Study	Chapter 3
Day 4	Review & discussion	
Day 5	Project Integration Management	Chapter 4
Day 6	Project Scope Management	Chapter 5
Day 7	Project Time Management	Chapter 6
Day 8	Review & discussion	
Day 9	Mid-term Exam	
Day 10	Project Cost Management	Chapter 7
Day 11	Project Quality Management	Chapter 8
Day 12	Project Human Resource Management	Chapter 9
Day 13	Review & discussion	
Day 14	Project Communications Management	Chapter 10
Day 15	Project Risk Management	Chapter 11
Day 16	Project Procurement Management	Chapter 12
Day 17	Review & discussion	
Day 18	Final Exam	
Day 19	Review & discussion	
Day 20	Review & discussion	