

Course Syllabus

Catalog Description

CPIS-334 Introduction to Software Project Management, **Credit: 2**

College Requisite , Lecture: 2 Practical: 0 Training: 1

This course discusses the processes, methods, techniques and tools that organizations use to manage their information systems projects. The course covers a systematic methodology for initiating, planning, executing, controlling, and closing projects. This course assumes that project management in the modern organization is a complex team based activity, where various types of technologies (including project management software as well as software to support group collaboration) are an inherent part of the project management process. This course also acknowledges that project management involves both the use of resources from within the firm, as well as contracted from outside the organization.

Prerequisite

None

Textbook

Bechtold, "Essentials of Software Project Management", Management Concepts, second Edition, 2007

ISBN-13 9781567261868 **ISBN-10** 1567261868

Student References and Supplemental Material

1 - Project Management Process, Methodologies, and Economics by Avraham Shtub, Jonathan F. Bard, Shlomo Globerson, Pearson Prentice Hall, Second Edition, 2004

ISBN-13 9780130413314 **ISBN-10** 0130413313

Course Learning Outcomes (CLO)

By the completion of the course the students should be able to

1. Cite and prioritize information systems projects and to determine various aspects of feasibility of these projects.
2. Identify the foundations of project management, including its definition, scope, and the need for project management in the modern organization.
3. Identify the phases of the project management lifecycle.
4. Manage project teams, including the fundamentals of leadership and team motivation.
5. Manage project communication, both internal to the team, and external to other project stakeholders.
6. Initiate projects, including project selection and defining project scope.
7. Manage project schedules with appropriate techniques and tools.
8. Manage project resources, including human resources, capital equipment, and time.
9. Manage project quality, including the identification of the threats to project quality, techniques for measuring project quality, and the techniques for ensuring project quality is achieved.
10. Manage project risk, including the identification of project risk, and the techniques for ensuring project risk is controlled.
11. Manage the project procurement process, including understanding external acquisition and outsourcing, as well as the steps for managing external procurement.
12. Manage project execution, including monitoring project progress and managing project change, and appropriately documenting and communicating project status.
13. Control projects through information tracking and cost and change control techniques.

Course Learning Outcomes (CLO)

By the completion of the course the students should be able to

14. Close projects, including administrative, personnel, and contractual closure.
15. Identify and describe the mechanisms for dealing with legal issues in complex project contexts.
16. Appreciate ethnic cultural differences in working with global teams either internal to organizations or by engaging offshore outsourcers.

Course Topics and their Duration

Number	Description	Duration in Weeks
1	Introduction to Project Management	1
2	The Project Management Lifecycle	1
3	Managing Project Teams	1
4	Managing Project Communication	1
5	Project Initiation and Planning	1
6	Managing Project Scope	1
7	Managing Project Scheduling	1
8	Managing Project Resources	1
9	Managing Project Quality	1
10	Managing Project Risk	1
11	Managing Project Procurement	1
12	Project Execution, Control & Closure	1
13	Managing Project Control & Closure	1
14	Managing legal issues and understand ethnic cultural differences	1

Class Schedule

Two 50 minute sessions per week

Lab 90 minutes 1 times/week

Course Relationship to Key Student Outcomes

A	B	C	D	E	F	G	H	I	J	K	L	M	N
	X		X				X						

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