CPIS-330 Syllabus

Catalog Description

CPIS-330   Advanced Project and Quality Management
Credit: 3 (Theory: 3, Lab: 1, Practical: 1)
Prerequisite: CPIS-334 , CPIS-357
Classification: Elective

The objective of this course is to provide students with the necessary skills to plan, implement, control and finish large scale Information Systems projects, making sure of the quality of the projects during and after construction. It equips the students with the advanced requirements of sophisticated projects, the ability to identify the target users of such projects, and the ability to manage versatile projects. This course also covers the standard requirements of the Project Management Institute (PMI), as well as the requirements of (CMMI) Software Engineering Institute (SEI) with the help of one of the project management software packages.

Class Schedule

Meet 50 minutes 3 times/week or 80 minutes 2 times/week

Lab/Tutorial 90 minutes 1 times/week

Textbook

Project Management Institute, , "Project Management Professional (PMP) Role Delineation Study", Project Management Inst;(2000)

ISBN-13 9781880410295   **ISBN-10** 188041029X

Grade Distribution

Week	Assessment	Grade %

Topics Coverage Durations

Topics	Weeks
Project planning, developing and reviewing plans in case of Uncertainty; risk analysis -– time planning – critical path and Program Evaluation and Review Technique (PERT).	2
Controlling plans during implementation taking into account modification costs and alternatives.	2
Estimating budget in case of uncertainty and calculating requirements according to the critical path and added value methods.	3
Developing project measurement standards.	2
Project implementation and follow-up.	2
CMMI and Standard Quality Measurements.	3

Last Articulated

Relationship to Student Outcomes

a	b	c	d	e	f	g	h	i	j
	x					x			x

Course Learning Outcomes (CLO)

By completion of the course the students should be able to

1. To understand thoroughly the advanced methods of project management that comply with CMMI and PMP standards. ()
2. To be able to manage large scale information systems projects. ()
3. To be able to develop a comprehensive quality system for Information Systems (Development and Maintenance) ()
4. To be able to develop, measure and evaluate quality standards with regard to Information Systems Projects. ()

Coordinator(s)