

COURSE OUTLINE

Course Code: SCJ4363
Course Name: Software Project Management
Total Contact Hours: 42 hours
Course Pre-requisite: None

SYNOPSIS

Students will study the software project planning, cost estimation and scheduling, project management tools, factors influencing productivity and success. Students will also learn productivity metrics, analysis of options and risks, software process standards and process implementation, software contracts and intellectual property and approaches to maintenance and long term software development.

LEARNING OUTCOMES

By the end of the course, students should be able

No.	Course Learning Outcome	Programme Learning Outcome(s) Addressed	Assessment Methods
1	Describe the basic concepts of software project management and project planning	P01 (C1,A1, P1)	Q, E
2	Apply project management techniques to real-world project.	P02 (C1,C2,A1,P1)	Q,A,E
3	Apply different techniques in monitoring and control of project and people.	P02 (C3,A2,P2)	A, E
4	Work in team to understand and evaluate project management standard, tools, managing contracts and software quality.	P04 (CS1- CS3), P07 (LL1, LL2)	A, PR, Pr
(A – Assignment; Q – Quiz; PR – Project; Pr – Presentation; E – Exam)			

STUDENT LEARNING TIME

Teaching and Learning Activities			Student Learning Time (hours)	
Face to face Learning	• Lecturer Centered	Lecture	28	
		- Practical/Lab/Tutorial	14	
	• Student Centered	- Student Centered Activity	0	
		- Others	0	
	• Others			
Sub Total			42	
Self Learning	• Non Face to face or Student Centered Learning (SCL)		38	

	• Revision	18	
	• Assessment Preparation	13	
	• Others		
	Sub Total	69	
Formal Assessment	• Continuous Assessment	6	
	• Final Examination	3	
	• Others	0	
	Sub Total	9	
TOTAL SLT		120	

TEACHING METHODOLOGY

Lectures, interactive discussions, hands-on exercises, and group project assignment & presentation.

WEEKLY SCHEDULE

Week	Topics	Activities/hours
Week 1	1.0 Introduction to software project management	Lecture
Week 2	2.0 Project Evaluation	Lecture Assignment 1
Week 3	3.0 Overview of Project Planning	Lecture
Week 4 -5	4.0 Project Approach	Lecture Submit Assignment 1
Week 6	5.0 Activity Planning	Lecture Quiz 1/Problem Based 1
Week 7	6.0 Risk Management	Test (Topic 1.0-4.0) Assignment 2
Week 8	7.0 Resource Allocation	Lecture
Week 9	8.0 Monitoring & Control	Lecture
Week 11	9.0 Managing Contract	Lecture Submit Assignment 2 Quiz 2/Problem Based 2
Week 12-13	10.0 Managing People	Project
Week 14	11.0 Software Quality	Lecture
Week 15	Project presentation & Revision	Lecture Submit Project
Week 16-17	STUDY WEEK EXAMINATION WEEK	

REFERENCES :

1. Bob Hughes & Mike Cotterell, *"Software Project Management" Fourth Edition*, McGraw-Hill, 2005
2. Andrew Stellman & Jennifer Greene, *Applied Software Project Management*, O'Reilly Media , 2005.
3. Kathy Schwalbe, *Information Technology Project Management*, Second Edition, Thomson, 2001
4. Frederick P. Brooks, Jr. *The Mythical Man-Month, Anniversary Edition*, Addison-Wesley Publishing, 1995

GRADING

No.	Assessment	Number	% each	% total
1	Assignments	2	10%	20
2	Quizzes/Problem Based	2	5%	10
3	Project	1	10%	10
4	Presentation	1	5%	5
5	Test	1	20%	20
6	Final Exam	1	30%	35
	Overall Total			100