هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

اعتماد
NCAAA

2024
TP-153

Course Specification
(Bachelor)

Course Title:	Technical Project Management
Course Code:	352CCN-3
Program:	Bachelor of Science in Computer Networks
Department:	Networks and Communications Engineering
College:	Computer Science and Information Systems
Institution:	Najran University
Version:	1.0
Last Revision Date:	Feb 2025

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (.....)					
3 (2, 2, 1) [Theory, Lab, Tutorial]					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Level 6 / Year 3)					
4. Course general Description:					
This course can be further improved by providing practical knowledge of project management. It is also important to provide up to date reference material.					
5. Pre-requirements for this course (if any)**:**					
N/A					
6. Co-requisites for this course (if any)**:**					
N/A					
7. Course Main Objective(s):					
The course addresses essential topics to project management such as project group process (initiating, planning, executing, controlling, and closing) and knowledge areas (project integration, scope, time, cost, quality, human resource, communications, risk, procurement). Project management software is used to provide students with hands-on experience to effectively use software to manage projects.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	**75**	**100%**
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity		Contact Hours
1.	**Lectures**	[3 contact hours ´ 15 weeks]	45
2.	**Laboratory/Studio**		
3.	**Field**		
4.	**Tutorial**	[1 contact hour ´ 15 weeks]	15
5.	**Others (specify)**		
Total			60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1	Understand the project management phases and the PM knowledge areas.	K2	- Lectures, Small Group Work, Small Group Discussion - Showing and delivering PPT presentations in the class. - Class exercise to analyze problems and propose solutions. - Writing the SRS for given scenario, - Practical exercises. - Assignments - Mini-Project on various topics related to	- Homework and class work. - Assignments - Quiz - Midterm examinations - Final examination - Asking Questions about previous topics discussed and getting replies. - Class participation.

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
			project management. - Classroom discussions and solving the problems in group. - Making students alert about class attendance, timing, cleanliness and manner inside the class. - Assigning class responsibilities to the students - Encourage to search the latest advancement or updated information during their free time. - Discuss personally the course contents with the problematic students. Guide and discuss with the student regarding the assignment.	
...				
2.0	**Skills**			
2.1	Apply the project management knowledge areas across all phases of a project.	S3	- Ask students at the end of each lecture to bring some materials or applications	- At the end of each lecture, students will be given an exercise that can help to

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
			related to the lecture's subject. - Explaining difficult topics by taking extra tutorials to students. - Helping students to describe effective strategies to new situations. - To develop creative thinking. - To discuss new topics and make the session interactive.	develop certain cognitive skills. - To arrange quizzes by including some materials that help to develop certain cognitive skills. To arrange mini seminars to prepare them for the next major seminars.
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Demonstrate competency in the management of a project plan	C1, C2	Arrange the group discussion during the class by asking questions.	- Through group presentation and discussion of the assignment. Evaluate student as a team member in the project.
3.2	Gain practical skills using software tools for developing project scope, schedule, cost, and other themes related	C3	Students are guided to search the web to collect materials related to their practical tools	Showing and delivering PPT presentation in the class

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	to project management aspects.			
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Course syllabus presentation + Introduction to Project Management	4
2.	Project Management Process	8
3.	Project Scope Management	8
4.	Project Time Management	8
5.	Project Cost Management	4
6.	Project Quality Management	8
7.	Project HR Management	4
8.	Project Communications Management	8
9.	Project Risk Management	4
10.	Project Procurement Management	4
Total		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	3, 7	10%
2.	HomeWorks	2, 4, 7	10%
3.	Presentation	8	10%
4.	Mid Term Exam	9	20%
5.	Final Exam	16-18	50%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Managing Information Technology Projects, Kathy Schwalbe, Course Technology,6th edition, 2010.
Supportive References	
Electronic Materials	Available in Blackboard

Other Learning Materials	Web sites: some topics are selected from several Web sites. The addresses of those sites will be indicated in the handouts

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture Rooms with 20 seats with smart table, Mic, Speaker, PC, Auto Projector with Screen and a white board or a smart board
Technology equipment (projector, smart board, software)	• Desktop/ Laptop computer Multimedia Projector • Laboratory contains enough number of PC to accommodate all students with Java-related software like JCreator, J2SE, NetBeans, Eclipse and JRE licensed versions with network packages should be installed.
Other equipment (depending on the nature of the specialty)	A File cabinet to keep class stuff, papers and students' files, and a printer to print program screenshots.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students, instructors and peer review	- Online course survey: By the end of each semester, students give their opinions about many factors in the course. They give feedback about teaching strategies, assessment methods, textbooks, instructors, etc. - Feedback about Course Learning Outcomes (CLOs): A course survey is distributed to students to get their opinions about the CLOs.
Effectiveness of students' assessment	Instructor, faculty, and student	- Discussion with other faculty members about students' understanding and the best way of teaching them. - Peer consultation on teaching - Discussions within the group of faculties teaching the same course before
Quality of learning resources	Instructor and Faculty	- Describe the relationship between the course's topics and CLOs. - Course syllabus must be distributed in the first week. It should contain the necessary information about the course (CLOs, assessment methods, descriptions, etc.)

Assessment Areas/Issues	Assessor	Assessment Methods
		- Feedback from the students about the understanding of lectures in academic advising hours. - Analysis of the critical topics with real-life examples and preparation of good effective PPT slides. - By suggesting good teaching methodologies - Ensure that all students participate in the class. - Encourage students to attend during office hours to clarify their doubts.
The extent to which CLOs have been achieved	Peer and instructor	- The course coordinator has to approve the exams and grades of students in exams. - The curriculum committee will review all courses by the end of each semester and approve actions and improvements plan to be carried out. - Getting feedback from the students who will pass the course and work in the practical field. - The vice dean and the dean of the college have to approve the final grades.
the planning arrangements for periodically reviewing course effectiveness and planning for improvement	Instructor	- Each semester, the instructor has to teach the course according to the previous course materials (Course specification, report, improvement plan, etc.). - By the end of each semester, the instructor must prepare a course file which contains all activities and practices taken in the course. Achievements of CLOs can be used if the students' levels improved or not

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	NETWORK AND COMMUNICATIONS ENGINEERING DEPARTMENT COUNCIL
REFERENCE NO.	**14450824-0482-00014**
DATE	**5/3/2024**