هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

Course Specification

(Bachelor)

Course Title:	Software Project Management
Course Code:	SE1253
Program:	Software Engineering
Department:	Software Engineering
College:	Computing and Information
Institution:	Al-Baha University
Version:	V1.0
Last Revision Date:	24-4-2024

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A. General information about the course:

1. Course Identification

1. Credit hours: (4)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (6th /2nd year)					
4. Course general Description:					
This course interduce the main principles of project management and their practices. The five process groups and nine knowledge areas of the Project Management Institute Body of Knowledge (PMI BOK) are examined in the context of software development lifecycle. Methods for managing and optimizing the software development process are discussed along with techniques for performing each phase of the software development lifecycle. Portfolio management and the use and application of software project management tools are also discussed.					
5. Pre-requirements for this course (if any): SE1001 Foundations of Software Engineering					
6. Pre-requirements for this course (if any): None					
7. Course Main Objective(s):					
The main objectives of this course are to make students understand the concepts of project management. As well as, make student capable to analyse, apply and appreciate contemporary project management tools and techniques in real live case study					

2. Teaching mode (mark all that apply)

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

No	Mode of Instruction	Contact Hours	Percentage
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	33
2.	**Laboratory/Studio**	22
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		55

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	Identify foundation topics of project management in software ngineering.	**K1**	Lecture, exercise, and group discussion	Quiz, exams, ,assignments
1.2	Explain the stages in the system development lifecycle and the activitiesthat are carried out to manage a software project.	**K2**	Lecture, exercise, and group discussion	Quiz, exams, ,assignments
1.3	Explain project management requirements, structure, scope of software project management withinbusiness environments.	**K3**	Lecture, exercise, and group discussion	Quiz, exams, ,assignments

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.4	Explain the ways in which appropriate quality attributes of the products of ansoftware development project can be assessed and assured and how to manage risk.	**K4**	Lecture, exercise, and group discussion	Quiz, exams, ,assignments
2.0				
2.1	Apply project management concepts such as scope, assumptions, risk, resources, and work breakdown structures to manage and review a small engineering project.	**S1**		assignments ,project
2.2	Recognise and apply techniques appropriate for successful software project management using project management tool.	**S2**		assignments ,project
2-3	Reflect on project management experience to conduct a post-project evaluation.	**S3**		assignments ,project
3.0	**Values, autonomy, and responsibility**			
3.1	Applying self-learning and personal	**V1**	Project, Discussion	assignments, Project

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	development skills in the use of varioustechnology applications and tools.			

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Project Management.	3
2.	Project Management and Software Engineering Context.	3
3	The Project Management Process Groups. A Case Study: ProjectManagement Internet Site Project.	4
4	Project Integration Management.	4
5	Project Scope Management.	4
6	Project Time Management.	3
7	Project Cost Management.	3
8	Project Quality Management.	3
9	Project Human Resource Management.	3
10	Project Risk Management.	3
Total		33

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Exam	5	20%
2.	Project	10	10%
3.	Lab exam	11	20%
4	Final Exam	12	40%

*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	Puntambekar, A.A, Banait, Satish S., Hanchate, Dinesh B. *Software Engineering & Project Management for SPPU 15 Course (TE-I-Comp310243)*–2020 Edition

Supportive References	**N/A**
Electronic Materials	**N/A**
Other Learning Materials	**N/A**

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom and Blackboard
Technology equipment (projector, smart board, software)	Data show and software
Other equipment (depending on the nature of the specialty)	N/A

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	• Students • Faculty • Peer Reviewers • Program Leader Course Coordinator	• Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) Comprehensive Course report (where we can find information about teaching difficulties and action plan, …)
Effectiveness of Students assessment	• Students • Faculty • Peer Reviewers • Program Leader • Exam Evaluation Committee Course Coordinator	• Surveys (indirect). • Direct feedback from students. • Course evaluation by Peer Reviewers (indirect). • Class visit by Program Leader (indirect) Exam evaluation by the Exam Evaluation Committee (indirect)
Quality of learning resources	• Students • Faculty • Peer Reviewers • Course Coordinator	• Surveys (indirect) • Course evaluation by Peer Reviewers (indirect). Comprehensive Course report (where we can find information about difficulties and challenges about learning resources as well as consequences and action plan, …)

Assessment Areas/Issues	Assessor	Assessment Methods
The extent to which CLOs have been achieved	• Faculty • Program Leader Course Coordinator	• Student Results (direct) Comprehensive Course report (where we can find the CLO assessment results)
Other	None	None

Assessor♦ (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**Curriculum Committee**
REFERENCE NO.	
DATE	**28 April 2024**