هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

Course Specification
(Bachelor)

Course Title:	Software Engineer Professional Practices
Course Code:	SE1760
Program:	Bachelor of Software Engineering
Department:	Software Engineering
College:	Faculty of Computers and Informatics
Institution:	Al-Baha University
Version:	1.0
Last Revision Date:	23/4/2024

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (11)					
4. Course general Description:					
This course introduces student to the professional engineering skills necessary to practice as an engineer. These include the various elements of engineering practice, an understanding of the role of the engineer in industry, basic knowledge of the law of contracts and legal responsibility, teamwork and leadership skills, an understanding of the professional responsibilities of engineers, competence in verbal communication and presentations and in reading and writing reports, and an understanding of ethical considerations.					
5. Pre-requirements for this course (if any)**:**					
Software Engineering Ethics (SE1757)					
6. Pre-requirements for this course (if any)**:**					
7. Course Main Objective(s):					
This course teaches students with practical engineering experience in an environment outside the university and improve their awareness of the issues associated with professional practice.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning	0	0

No	Mode of Instruction	Contact Hours	Percentage
3	Hybrid • Traditional classroom • E-learning	0	0
4	Distance learning	0	0

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	3
2.	**Laboratory/Studio**	0
3.	**Field**	0
4.	**Tutorial**	0
5.	**Others (specify)**	0
Total		33

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	**Recognize the principles and requirements of the professional engineer.**	**K1**	**Lecture, exercise, and group discussion**	**Quizzes, Exams, Assignments**
2.0	**Skills**			
2.1	**Conduct job tasks professionally**	**S1**	**Case study**	**Rubrics, Presentation, Report, Actual Grades**
3.0	**Values, autonomy, and responsibility**			
3.1	**Work effectively as both leader and member of a team**	**V1**	**Project, Discussion**	**Survey**

C. Course Content

No	List of Topics	Contact Hours
1.	The concept of professions	3
2.	Professional responsibilities of engineers	3
3.	Teamwork and communication skills	3
4.	The concept of morality	3
5.	The importance of core values	3
6.	Truth (personal and social)	3
7.	The concept of whistleblowing	3
8.	Conflicts of interests	2
9.	Engineers in organizations	2
10.	Fairness (personal and social)	2
11.	Reliability, risk and safety	2
12.	Privacy and confidentiality issue	2
13.	Responsible conduct of research	2
Total		33

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Assignments and Quizzes	4,6,8	20%
2.	Group Project	9	20%
3.	Midterm Exam	5	20%
3.	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	Charles E. Harris, Michael S. Pritchard & Michael J. Rabins, Engineering ethics: concepts and cases, 5th Edition, Cengage Learning, 2013
Supportive References	Rory Hyde, 2012, 'FUTURE PRACTICE Conversations from the Edge of Architecture', Routledge.
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**
Technology equipment (projector, smart board, software)	**Software and Tools**
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Student	- Survey
Effectiveness of Students assessment	Lecturer	- Annual report
Quality of learning resources	Program Coordinator	- Survey - Evaluation of test Models - Standard sample
The extent to which CLOs have been achieved		
Other		

Assessors (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**