



Course Specification

— (Bachelor)

Course Title: **FYP2**

Course Code: **SE1762**

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**



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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: (12)

4. Course general Description:

This course is a continuation of the software engineering group project 1. The focus in this course will be on detailed design, implementation, testing and quality assurance as well as management of the project.

5. Pre-requirements for this course (if any):

FYP1 (SE1758)

6. Pre-requirements for this course (if any):

7. Course Main Objective(s):

This course teaches students how to apply their gained skills during their curriculum in analysis designed, and implementation of real world project.

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	3	100%
2	E-learning	0	0
3	Hybrid <ul style="list-style-type: none"> • 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	33
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 new facts and concept induced by the related project	K1	Brainstorming Self-learning Field Role Playing	Essay/Report, Presentation
2.0	Skills			
2.1	Design the system according to the decisions made in project 1 course	S1	Discussions, Cooperative learning, Group Discussion.	Essay/Report, Presentation, Rubrics
2.2	Implement the design system using appropriate platform and programming languages	S2	Discussions, Cooperative learning, Group Discussion.	Essay/Report, Presentation, Rubrics
2.3	Evaluate the system using software testing techniques and strategies	S3	Discussions, Cooperative learning, Group Discussion.	Essay/Report, Presentation, Rubrics
3.0	Values, autonomy, and responsibility			





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
3.1	Demonstrate the ability to work independently and as part of a team	V1	Self-learning Field	Survey

C. Course Content

No	List of Topics	Contact Hours
1.	System design: describe system architecture design, design constraints, roles and responsibilities, database design, and user interface design	7
2.	Describe the used tools and techniques to implement the system, the implementation issues, user interfaces, and how the system operates	7
3.	Testing and validation: describe the strategy used to test the implemented system and how it is validated against the problem requirements	7
4.	How to write the technical report.	6
5.	How to prepare presentation and demo.	6
Total		33

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Progress in the project	Every week	20%
2.	Final technical report	9	45%
3.	Final presentation	11	35%

*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	Blokdyk, G., 2022. Software Project Management A Complete Guide - 2020 Edition. 5STARCOOKS.
Supportive References	Kumar, Ranjit. "Research Methodology: A Step-By-Step Guide for Beginners", 3rd Edition, Sage Publications Ltd, 2011.



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

