Course Specification
(Bachelor)

Course Title:	Graduation Project 1
Course Code: :	571CIS-2
Program:	Bachelor of information systems
Department: :	Information Systems
College: :	Computer Science and Information Systems
Institution:	Najran University
Version:	*Course Specification Version Number*
Last Revision Date:	*Pick Revision Date.*

Table of Contents

A. General information about the course: 3

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods 4

C. Course Content 5

D. Students Assessment Activities 6

E. Learning Resources and Facilities 6

F. Assessment of Course Quality 7

G. Specification Approval 7

A. General information about the course:

1. Course Identification

1. Credit hours: (2)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Year 4/ Level 8)					
4. Course General Description:					
Graduation project-1 will guide students to conduct a critical background study on their chosen topic. It will assist them on requirements gathering including analysis and synthesizes of gathered data and will aid students to perform feasibility study and functional and non- functional requirements to accumulate problems respective to their topic/environment. It will facilitate them to identify and apply appropriate methods/design to overcome those problems, identify the scope of their project in real world, will support students to critically evaluate proposed design using suitable methods and techniques. Student will develop communication skills through presentation and able to work individually as well as in a team. Students will be guided to maintain ethical issues, documentation formats, use of references and checking plagiarism. And finally, students will produce a formal report describing their findings, contributions, and future development/implementation.					
5. Pre-requirements for this course (if any)**:**					
Information Systems Engineering					
6. Co-requisites for this course (if any)**:**					
7. Course Main Objective(s):					
Students will demonstrate their ability to design information system based on his learning during the previous levels and write proper report.					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	50	
2	E-learning		
3	Hybrid • Traditional classroom		

No	Mode of Instruction	Contact Hours	Percentage
	• E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	50
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		50

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

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1				
1.2				
...				
2.0	**Skills**			
2.1	Classify various information system related problems and project live cycle activities such as selecting, planning, analysis, design, implementation, testing, deployment, and maintenance	S1, S3	Class lectures, working with the team, reading about topic	Presentations, Reports
2.2	Conduct (Survey) an effective background study and be able to	S4	Class lectures, working with the team, reading about topic	Presentations, Reports

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
	contrast and critique related work.			
2.3	Generate functional and non-functional requirements.	S1	Class lectures, working with the team, reading about topic	Presentations, Reports
2.4	Analyze the problem and develop an initial solution.	S3, S1	Class lectures, working with the team, reading about topic	Presentations, Reports
2.5	Apply a multi-disciplinary approach to designing the project.	S2	Class lectures, working with the team, reading about topic	Presentations, Reports
3.0	**Values, autonomy, and responsibility**			
3.1	Demonstrate the ability to work independently and in a team.	V1, V3	Class lectures, working with the team, reading about topic	Presentations, Reports
3.2	Demonstrate the ability to communicate effectively.	V1	Class lectures, working with the team, reading about topic	Presentations, Reports
3.3	Prepare report for the project	V2, V3	Class lectures, working with the team, reading about topic, writing the report	Presentations, Reports

C. Course Content

No	List of Topics	Contact Hours
1.	List of Topics	1
2.	Class1: Review of graduation policy	1
3.	Class 2: Project Proposal (Vision document/feature list)	1
4.	Class 3: Basics of project management (Tasks, plan, scope)	1
5.	Class 4: Presentation tools and techniques	2
6.	Class5: Requirements / Requirements Validation / Functional Specification Document	2
7.	Class 6: Use case Diagram, Use Case Description / Activity Diagram / Sequence Diagram	2

8.	Class 7: Data Flow Diagram, System Architecture	2
9.	Class 8: Database/ ER Diagram	1
10.	Class 8: UML	1
11.	INTRODUCTION Introduction; Problem Statement.; Purpose of this Document; Project Structure; Modules (users, database, ...); Scope; System Limitations; Objectives.	
12.	Background Study	7
13.	Method Of Investigation and Analysis Functional And Nonfunctional Requirements; Project Methodology.	10
14.	SYSTEM DESIGN Use case Diagram; Activity Diagram; Sequence Diagrams; Database Entity Relationship Diagram; Class Diagram; database Tables Structure.	10
15.	Conclusion And Future Work	3
Total		50

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Final Presentation (By Examiners)	11	25
2.	Final Report (By Examiners)	11	25
3.	Task assignments (By supervisor)	All	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	To be determined by the instructor.
Supportive References	To be determined by the instructor.
Electronic Materials	To be determined by the instructor.
Other Learning Materials	To be determined by the instructor.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom, and the instructor may ask for laboratory if needed.
Technology equipment (projector, smart board, software)	Data show, and the instructor may ask for software if needed.
Other equipment (depending on the nature of the specialty)	Depends on the project requirements.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of Students assessment	Students	Indirect
Quality of learning resources	Instructor, Students	Indirect
The extent to which CLOs have been achieved	Instructor, Examiners	Direct
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**17th IS Department Council**
REFERENCE NO.	**14460810-0976-00017**
DATE	**10/02/2025**