Course Specifications

Institution:	**College of Science at Az Zulfi**
Academic Department :	**Computer Science and Information**
Programme :	**Computer Science and Information**
Course :	**Graduation Project(1) (CSI 510)**
Course Coordinator :	**Dr. Yousef Qawqzeh**
Programme Coordinator :	**Dr. Yousef Qawqzeh**
Course Specification Approved Date :	22/ 12 / 1435 H

A. Course Identification and General Information

1 - Course title : **Graduation Project(1)** Course Code: **(CSI 510)**	
2. Credit hours : **2 ((2 lecture)**	
3 - Program(s) in which the course is offered: **Computer Science & Information**	
4 – Course Language : English	
5 - Name of faculty member responsible for the course: **Dr. Yousef Qawqzeh**	
6 - Level/year at which this course is offered : **9th level**	

7 - Pre-requisites for this course (if any) :
- **120 Credit Hours**

8 - Co-requisites for this course (if any) :
- **N/A**

9 - Location if not on main campus **:**

College of Science at Az Zulfi

10 - Mode of Instruction (mark all that apply)

			What percentage?	
A - Traditional classroom	√		What percentage?	**50 %**
B - Blended (traditional and online)	√		What percentage?	**20%**
D - e-learning	√		What percentage?	**20 %**
E - Correspondence			What percentage?	**……. %**
F - Other	√		What percentage?	**10 %**

Comments :

One-tenth of the course instruction is dedicated to students' self-learning where they are asked to read papers, books and articles related to the chosen topic.

B Objectives

What is the main purpose for this course?

This course is the first of a two-course sequence in which the students will develop a complete software system. The second stage will be carried out in project(2). Students will work in groups of up to four students, each group will have a supervisor to guide them through the system development process using a specific methodology.

In this first part, each group must identify a problem domain, define the problem, identify and specify the requirements, document the current system, analyze it, propose alternative systems, and design a solution. The design must include the definitions of all the required system models, such as the data model and the functional model. At the end of the course, each group must submit a formal report documenting the complete process.

Briefly describe any plans for developing and improving the course that are being implemented :
1. Using group discussion
2. Updating the materials of the course to cover the new topics of the field.
3. Track and motivate students to submit complete project report .

C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Discussion with students the method of selecting the graduation project	2	4
Determine the subject of the project Assign references to students to read about the project	2	4
Discussion with students the ways to build the project and set a timetable for project.	2	4
Theoretical explanation for the building and writing of the project and the preparation of the report	2	4
Open discussion with students about what has been accomplished over the previous period	2	4
Implementation of the project (and processing requirements)	2	4
Showing initial outputs of the project	1	2
Final presentation of the project	1	2
Presentation to the projects committee for arbitration	1	2

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	30		-	-	-	30
Credit	30		-	-	-	30

3. Additional private study/learning hours expected for students per week.

5 Hours

The private self-study of my student is crucial for this course. It includes:
- reading carefully the topics in the textbook or reference book,
- browsing the websites that concerned with the course,

- discussing the course topics with the instructor in his office hours,
- watching the video lectures of other instructors who presented related topics worldwide.

The total workload of the student in this course is then: 30 + 5 * 15 = 105work hours.

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	**Knowledge**		
1.1	Knowledge of basic science to understand the principles of scientific analysis	Provide theoretical lectures on the concept of graduation project	Degree for writing the graduation project proposal
1.2	Learn the skilled needed by a System Analyst to be affective, professional and a successful individual	How to write a graduation project proposal.	The attendance of introductory lectures for the project
1.3	Ability to plan the research project and start its implementation.	Course References	The initial report of the project Presentation of graduation project
2.0	**Cognitive Skills**		
2.1	The use of scientific, engineering, and knowledgeable skills in the writing the proposed graduation project	Practical applications. Group discussions. Lectures and definition of the graduation project. Provide periodic reports of what has been achieved during the project.	Student attendance for course introductory lectures-- Provide periodic reports on what has been achieved during those periods.
2.2	Design and planning of the graduation project	Take advantage of office hours to the supervisor of the project Visit a number of institutions and companies related to the field of graduation project.	- Submission of the final report for the graduation project proposal - Evaluation of the offer at the end of the semester
3.0	**Interpersonal Skills & Responsibility**		
3.1	Ability to work within a team. Develop the ability of analysis.	Lectures. Group discussions.	Observation. Self-reactive

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
3.2	Positive thinking. Effective student participation during introductory lectures and academic commitment to attend the periodic meetings with the supervisor of the graduation project. contact with fellow participants in the graduation project team.	Submission of proposals through brainstorming to reach the definition of the proposed subject for graduation project. The ability to write a graduation project proposal and write the details for the next phases of the project.	assessment. The presence of the student to introductory lectures and meetings with team members and provide a graduation project proposal and good performance in the performing of required tasks and presentation the project
4.0	**Communication, Information Technology, Numerical**		
4.1	The ability to review scientific literatures	Group discussions. Presentations. Make as a proposal for graduation projects. Visit the institutions and companies related to the project Graduation.	Communication skills through the presentation using computers and through advanced projects. Student performance in presence in introductory lectures. Provide a graduation project proposal and periodic reports on the progress of the graduation project.
4.2	The ability to use technical tools to represent the design and implementation of project's phases.		
4.3	The ability to write reports		
5.0	**Psychomotor**		
5.1	**N/A**		

5. Schedule of Assessment Tasks for Students During the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Discussion of project's title and ideas	2	5%
2	Discussion of literature review	4	10%

3	Discussion the proposed methodology	6	10%
4	Evaluating the prototype of the proposed system analysis and design	10	10%
5	Presentations and progress reports	After each phase	10%
6	Project submission	13	15%
7	Project examination	14	40%
8	Total	--	100%

D. Student Academic Counseling and Support

Office hours: Sun – Wed: 12 PM - 2:00 PM
Office call: Sun – Wed: 12 PM - 2:00 PM
Email: y.qawqzeh@mu.edu.sa

E. Learning Resources

1. List Required Textbooks :
Modern System Analysis and Design, Jeffrey Hoffer, Joey George, and Joseph Valacich, Prentice Hall.2008

2. List Essential References Materials :
Systems Analysis and Design, Shelly and Rosenblatt, Delmar Learning, 2013

3. List Recommended Textbooks and Reference Material :
   N/A

4. List Electronic Materials :

Determines as the course is going on.

5. Other learning material :
Videos and presentations are available with me

F. Facilities Required

1. Accommodation	
Classrooms and Labs as those that are available at college of science at AzZulfi	
2. Computing resources	
• Smart Board	
3. Other resources	
N/A	

G   Course Evaluation and Improvement Processes

1   Strategies for Obtaining Student Feedback on Effectiveness of Teaching:
- Questionnaires (course evaluation) achieved by the students and it is electronically organized by the university.
- Student-faculty management meetings.

2   Other Strategies for Evaluation of Teaching by the Program/Department Instructor :
- Discussion within the staff members teaching the course
- Departmental internal review of the course.

3   Processes for Improvement of Teaching :
- Periodical departmental revision of methods of teaching.
- Monitoring of teaching activates by senior faculty members.
- Training course.

4. Processes for Verifying Standards of Student Achievement
- Reviewing the final draft of documentation by others.
- Visiting the other institutions that introduce the same course one time per semester.
- Watching the videos of other project presentations by international institutions.

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :
Extent to which students benefit from the course especially in the practice
 (1) to take advantage of the recommendations of the faculty members and the Committee on Learning and Teaching in the department and the Committee on the college study plans
(2) set a standard assay with similar courses in distinct universities in the world
(3) updated references and sources on a regular basis in accordance with the recent developments in the specialization.

Course Specification Approved
Department Official Meeting No (6) Date … / …. / ….. H

Course's Coordinator	**Department Head**
Name : Dr. Yousef Qawqzeh	**Name :** Dr. Yosry Azzam
Signature : Yousef Qawqzeh	**Signature :** Yosry Azzam
Date : …./ … / …… H	**Date :** 22./ 12 / 1435 H