



Course Specifications

Institution:	Majmaah University
Academic Department :	College of Science in Zulfi, Department of Computer Science and Information.
Programme :	Computer Science and Information
Course :	Graduation Project 2 CSI 520
Course Coordinator :	Dr.
Programme Coordinator :	Associate Prof. Yosry Azzam.
Course Specification Approved Date :	23/ 12 / 1435 H



A. Course Identification and General Information

1 - Course title :	Graduation Project 2	Course Code:	CSI 520
2. Credit hours :	3 (3 lecture + 0 lab)		
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.		
6 - Level/year at which this course is offered :	10 th		
7 - Pre-requisites for this course (if any) :	• CSI 510		
8 - Co-requisites for this course (if any) :	None		
9 - Location if not on main campus :	(College of Science in Zulfi)		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input type="checkbox"/>	What percentage?%
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	10 %
D - e-learning	<input type="checkbox"/>	What percentage? %
E - Correspondence	<input checked="" type="checkbox"/>	What percentage?	80 %
F - Other	<input checked="" type="checkbox"/>	What percentage?	10 %
Comments :	Most of the time the students will be coordinating their supervisor through physical meetings and other methods.		

B. Objectives

What is the main purpose for this course?

In this course, each group will continue developing their software systems started in CSI 510. The students are supposed to apply design and engineering skills in the accomplishment of a single goal. In this context the skills mentioned may be in the general area of design and engineering in its broadest sense, or may be very specifically related to particular tools. At the end of the semester, each group must submit a final report, which documents completely the information system from the problem definition phase to the implementation phase and contains a user manual for





the information system. Team work, leadership, communication and writing skills are all important ingredients for a successful project.

Briefly describe any plans for developing and improving the course that are being implemented :

1. Ensure regular meetings of students with the supervisor.
2. Ensure regular evaluation of students by the supervisor.

C. Course Description

1. Topics to be covered

List of Topics	No. of Weeks	Contact Hours
1. Feasibility study: To produce a feasibility study document that evaluates the costs and benefits of the proposed computer-based application.	2	6
2. Planning and requirement analysis and specification: To produce an SRS document identifying the qualities required of the application, in terms of functionality, performance, ease of use, portability, and so on.	3	9
3. Design and Specification: To produce an SDS document to transform the requirements specified in the SRS document into a structure that is suitable for implementation in some programming language.	3	9
4. Coding, Module Testing, Integration and System Testing: The output of the coding and module testing phase is an implemented and tested collection of modules. During the	6	18



integration and system testing phase, the modules are integrated in a planned manner. The objective of system testing is to determine whether the software system performs per the requirements mentioned in the SRS document.		
5. Delivery and Making Corrective Maintenance: The system is distributed to the users. Corrective maintenance means repairing processing or performance failures or making changes because of previously uncorrected problems.	1	3

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

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	3	.....	.....	.....	.....	45
Credit	3	.....	.....	.....	.....	45

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

10

The students need to implement their project in their own time.





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	Learn new tools and technologies and understand of best practices and standards and their application.	Meetings with supervisor, Group Discussions	Presentations, Report Writing, Demonstrations
2.0	Cognitive Skills		
2.1	Design, implement, develop and evaluate the computer-based system of the project to meet desired needs.	Meetings with supervisor, Group Discussions	Presentations, Report Writing, Demonstrations
2.2	Use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies.		
2.3	Integrate IT-based solutions into the user environment effectively.		
3.0	Interpersonal Skills & Responsibility		
3.1	Use current techniques, skills, and tools necessary for computing practice.	Meetings with supervisor, Group Discussions	Presentations, Report Writing, Demonstrations
4.0	Communication, Information Technology, Numerical		
4.1	Function effectively on teams to accomplish a common goal and communicate effectively with a range of audiences.	Meetings with supervisor, Group Discussions	Presentations, Report Writing, Demonstrations
5.0	Psychomotor		
5.1	.....	.....	.....
5.2	.....	.....	.....
5.3	.....	.....	.....





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

	Assessment task	Week Due	Proportion of Total Assessment
1	Presentations, demonstrations, discussions and reports showing the progress of the project	Every 2 weeks	40%
2	Final report and presentation	Week 15	60%

D. Student Academic Counseling and Support

1. 6-office hours per week in the lecturer schedule.
2. The contact with students by e-mail, mobile, office telephone and website.

E. Learning Resources

1. List Required Textbooks:

- It depends on the project.

2. List Essential References Materials (in the case of our project):

- It depends on the project.

3. List Recommended Textbooks and Reference Material (in the case of our project):

- It depends on the project.

4. List Electronic Materials (in the case of our project):

- It depends on the project.

5. Other learning material (in the case of our project):

- It depends on the project.





F. Facilities Required

1. Accommodation <ul style="list-style-type: none">• Computer Labs• Library
2. Computing resources <ul style="list-style-type: none">• Software and Hardware equipment (Depends on the project)
3. Other resources <p>None</p>

G. Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching: <ul style="list-style-type: none">• Periodic meetings.• Regularly asking problems of students.• Observation during work.• Students' evaluations.• Colleagues' evaluations.• Evaluation questionnaire filled by the students.
2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor : <ul style="list-style-type: none">• Self-assessment.• Evaluation by other faculty members.• External evaluation.• Periodic review of course (the Commission of study plans).
3 Processes for Improvement of Teaching : <ul style="list-style-type: none">• Taking into account the recommendations yielded from the internal review of the course.• Guidelines provided by study plans commission.• Department Guidelines about faculty member performance on the basis of direct observation.• Training and development.• Workshops to improve the educational process.
4. Processes for Verifying Standards of Student Achievement <p>Supervisors of the project working together with Head of Department to adopt a unique process of the evaluation.</p>





5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- Comparison of the outcome of the project with its counterparts
- Ensuring that the project addresses new problems
- Regular review of the tools and technologies used.

Course Specification Approved

Department Official Meeting No (6) Date 23 / 12 / 1435 H

Course's Coordinator

Name : Dr.

Signature :

Date : .../ ... / H

Department Head

Name : Associate Prof. Yosry
Azzam

Signature :

Date : 23/ 12 / 1435 H

