Course Specifications

Institution:	College of Science at Az Zulfi
Academic Department :	Department of Computer Science and Information
Programme :	Computer Science and Information Program
Course :	Information Systems Management
Course Coordinator :	....
Programme Coordinator :	Associate Prof. Yosry Azzam
Course Specification Approved Date :	23/ 12 / 1435 H

A. Course Identification and General Information

1 - Course title : Information Systems Management	Course Code: CSI 446

2. Credit hours :	(3 Credit Hours) (2 Lecture + 2 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: ....

6 - Level/year at which this course is offered : Elective

7 - Pre-requisites for this course (if any) :
- CSI 314

8 - Co-requisites for this course (if any) :
- None

9 - Location if not on main campus :
(College of Science at Az Zulfi)

10 - Mode of Instruction (mark all that apply)

A - Traditional classroom	√	What percentage?	**80 %**
B - Blended (traditional and online)	√	What percentage?	**10 %**
D - e-learning		What percentage?	**…. %**
E - Correspondence		What percentage?	**…. %**
F - Other	√	What percentage?	**10 %**

Comments :

One-tenth of the course is presented mainly inside video lectures of other instructors worldwide. They illustrate the same topics that I introduced in my lectures with a different presentation.

B Objectives

What is the main purpose for this course?

This course aims to develop the students' ability to plan, analyze, design, implement, validate, and maintain computerized information systems using software processes. Specifically, the course will: Develop the students' skills of selecting a suitable process model (for better project management and better quality software) for a

specific software project, introduce frameworks and quality standards for software development and management, highlight and integrate new process models for new environments, and introduce software metrics for better quality management.

The purpose of this course is to help students to:

- understand information systems and their uses,
- use computerized management information systems,
- do in-depth analysis and decision making,
- apply modern project management techniques,
- be aware security issues related to information systems, and
- enable students to be efficient in their work.

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

1. Increasing the ability of the students to implement the methods and practices that are presented in the course.
2. Formative exams during the term with a feedback to the students, so these examinations can be used as a method of learning..
3. Using group discussion through the internet with course attending students.
4. Updating the materials of the course to cover the new topics of the field.
5. Help students to develop their knowledge about the topics that are presented in the course.

C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
1. Introduction: An introduction to the planning, analysis, design, implementation, validation, and maintenance of computerized information systems – Introduction to some CASE tools.	2	8
2. Planning and Analysis: Development of the students' ability to plan and analyze software projects – concepts and strategic uses of information systems – Practical applications using suitable CASE tools.	3	12

3. Selecting Process Models: Selecting a suitable process model (for better project management and better quality software) for a specific information system - Practical applications using suitable CASE tools.	**2**	**8**
4. Information System Life-Cycle: Developments of the students' ability to design, implement, validate, and maintain computerized information systems - organizing and managing interorganizational and international information systems - Practical applications using suitable CASE tools.	**3**	**12**
5. Standards: Introducing frameworks and quality standards for software development and management - decision making, risk Analysis and project management. - Practical applications using suitable CASE tools.	**2**	**8**
6. New process models: Introducing software metrics for better quality management, and highlighting and integration of new process models for new environments - Practical applications using suitable CASE tools.	**3**	**12**

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

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	**30**	....	**30**	....	....	**60**
Credit	**30**	....	**15**	....	....	**45**

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

5

The private self-study of my student is crucial for this course. It includes:

- implementing methods and practices using suitable CASE tools,
- reading carefully the topics in the textbook or reference book,
- searching the websites that concerned with the course,
- solving the exercises that are assigned,
- discussing the course topics with the instructor in his office hours,
- watching video lectures of other instructors who presented related topics worldwide.

The total workload of the student in this course is then: 60 + 5 * 15 = 135 work 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	Understand of best practices and standards and their applications that related to the management of information systems.	Lectures Lab demonstrations Case studies Individual presentations	Written Exam Homework assignments Lab assignments Class Activities Quizzes
2.0	**Cognitive Skills**		
2.1	Integrate into business situations and analysis, and evaluate both theory and practice relevant to Management information systems.	Lectures Lab demonstrations	Written Exam Homework assignments

		NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
2.2		Implement new or replacement management information systems through understanding and evaluating how resistance to change can affect MIS implementation.	Case studies Individual presentations Brainstorming	Lab assignments Class Activities Quizzes.
2.3		Integrate IT-based solutions into the user environment effectively.		
3.0	**Interpersonal Skills & Responsibility**			
3.1		Adhere professional, ethical, legal, security, and social issues and their responsibilities that related to the management of information systems.	Small group discussion Whole group discussion Brainstorming Presentation	Written Exam Homework assignments Lab assignments Class Activities Quizzes
3.2		Analyze the local and global impact of information systems management on individuals, organization, and society, and use current techniques, skills, and tools necessary for information systems management practice.		
4.0	**Communication, Information Technology, Numerical**			
4.1		Function effectively on teams to accomplish a common goal, and ccommunicate effectively with a range of audiences.	Small group discussion Whole group discussion Brainstorming Presentation	Written Exam Homework assignments Lab assignments Class Activities Quizzes
5.0	**Psychomotor**			
5.1	....		....	....
5.2	....		....	....
5.6	....		....	....

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

	Assessment task	Week Due	Proportion of Total Assessment
1	First written mid-term exam	6	15%
2	Second written mid-term exam	12	15%
3	Presentation, class activities, and group discussion	Every week	5%
4	Homework assignments	After every chapter	5%
5	Final lab exam	15	20%
6	Final written exam	16	40%
	Total		100%

D. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

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 :

- Carol V. Brown , Managing Information Systems, , 7th ed., 2011.

2. List Essential References Materials :

- Barbara McNurlin , Ralph Sprague , and Tung Bui , Information Systems Management, 8th ed., 2008.
- Paul Bocij, Dave Chaffey, Andrew Greasley, Business Information Systems: Technology, Development & Management for the E-Business, 3rd ed., Prentice-Hall Pearson, 2006.

3. List Recommended Textbooks and Reference Material :

- INFORMATION SYSTEMS AND E-BUSINESS MANAGEMENT .
- INFORMATION KNOWLEDGE SYSTEMS MANAGEMENT.
- JOURNAL OF MANAGEMENT INFORMATION SYSTEMS.

4. List Electronic Materials :

- http://nptel.ac.in/courses.php?branch=Comp
- https://www.coursera.org/

5. Other Learning Material :

- Video and presentations that available with the instructor.

F. Facilities Required

1. Accommodation

- Classrooms,
- Library, and
- Laboratories, as those that are available at the college of science at AzZulfi.

2. Computing resources

- Smart Board

3. Other resources

- None.

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
- Instructors of the course are checking together and put a unique process of the evaluation.

5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :
- Course evaluation.
- Exam evaluation.
- Improvement plan.

Course Specification Approved

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

Course's Coordinator	**Department Head**
Name :	*Name :* Associate Prof. Yosry Azzam
Signature :	*Signature :* ....
Date : 23 / 12 / 1435 H	*Date :* …./ … / …… H