Course Specification of IS Project Management

Course No   (...................)

2020/2021

Head of Department	Vise Dean for Qulity Assurance	Dean of the Faculty	Dean of Development center and Quality Assurance
Assoc. Prof. Mansour N. Ali	Dr. Anwar Al-Shamiri	Dr. Nagi Al-Shibani	Assoc. Prof. Dr.Huda Al.Emad
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			Prof. Dr. Qassim Mohammed Abbas

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I. Course Identification and General Information:

1	**Course Title:**	IS Project Management				
2	**Course Code &Number:**					
3	**Credit hours:**		**C.H**			**TOTAL**
			Th.	Seminar	Pr	Tr.	
			2	-	-	-	2
4	**Study level/ semester at which this course is offered:**	3rd Level- 1st Semester				
5	**Pre –requisite (if any):**	None				
6	**Co –requisite (if any):**	None				
7	**Program (s) in which the course is offered:**	Information System				
8	**Language of teaching the course:**	English				
9	**Study System**	Term based system				
10	**Mode of delivery:**	Full time				
11	**Location of teaching the course:**	Faculty of Computer and Information Technology				
12	**Prepared By:**	…………….				
13	**Date of Approval**					

II.   Course Description:

Effective IS project management ensures that a project is completed on time, within budget, and with high quality. This course aim to provide student with the concept of project management , Stages of the life cycle of the project in general and IS projects in specific. Topics which will be

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covered in this course include: roles and characteristics of the project manager, project planning, project scheduling, budget and cost control of the project, Feasibility study of the project, Acceptance or rejection of the project, and CPM, PERT, and Gannt chart.

III. Course Intended learning outcomes (CILOs) of the course (maximum 8CILOs)		Referenced PILOs (Only write code number of referenced Program Intended learning outcomes
1	Demonstrate clear understanding of general issues of project management with focus on IS project.	A1,A3
2	Awareness and Understanding of the relationship among scope, schedule, and budget.	A1,A2
3	Identifying and evaluating of the critical success factors, unique risks, and issues, associated with IS projects	B2
4	Apply the quality concepts, methods, and tools for IS project management.	B1,B4
5	Apply several methods, technique, and tools for defining and managing the IS a project.	C2,C3,C4
6	Apply several project estimation and quality methods.	C3,c4
7	Leadership and apply critical and Systems thinking.	D1
8	Communication skills and Work with a team.	D3

(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:

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Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1- Demonstrate clear understanding of general issues of project management with focus on IS project.	- Lecture - Interactive class - Case Study	Exam Quizzes project Class discussion
a2- Awareness and Understanding of the relationship among scope, schedule, and budget.	- Lecture - Case Study - Presentation	Exam Quizzes Project Class discussion

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1- Identifying and evaluating of the critical success factors, unique risks, and issues, associated with IS projects	- Lecture - Interactive class - Case Study	Exam Project Class discussion
b2- Apply the quality concepts, methods, and tools for IS project management	- Lecture - Interactive class - Case Study	Exam Project Class discussion

©Alignment Course Intended Learning Outcomes of Professional and Practical Skillsto Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies

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C1- Apply several methods, technique, and tools for defining and managing the IS a project.	- Lecture - Interactive class - Case Study	Exam Project Class discussion
c2- Apply several project estimation and quality methods.	- Lecture - Interactive class - Case Study	Exam Project Class discussion

(D) **Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:**

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1- Leadership and apply critical and systems thinking.	- Lecture - Interactive class - Case Study	Exam Project Class discussion
d2-. Communication skills, work with a team	- Lecture - Interactive class - Case Study	Exam Project Class discussion

IV. Course Content:

A – Theoretical Aspect:

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Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	contact hours
1	The Nature of IS Projects	a1	-Introduction -What Is a Project? -Project Attributes -What Is Project Management? -Projects, Programs, and Portfolios -Project Management and Information Technology -The State of IS Project Management	1	3
2	Project Methodologies and Processes	a1,a2	-The Project Life Cycle -Project Management Knowledge Areas -Project Processes - Project Process Groups	2	6
3	Measurable Organizational Value and the Business Case	b1	-Measurable Organizational Value (MOV) -The MOV and Project Objectives -Developing the MOV -The Business Case -What Is a Business Case? -Developing the Business Case -Project Selection and Approval -The IS Project Selection Process -The Project Selection Decision	1	3

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4	Project Planning: The Project Infrastructure	a1,a2,c1	-Project Governance -The Project Manager - Project Team -The Organization and Project Planning -Procuring External Project Resources -The Project Charter -What Should Be in a Project Charter?	2	6
	Mid-Test			1	3
5	Project Planning: Scope and the Work Breakdown Structure	a1,b2,c1	-The Triple Constraint -Defining and Managing Project -Scope -Validate Scope -Control Scope -The Work Breakdown Structure (WBS) -Project Estimation	2	6
6	-Project Planning: The Schedule and Budget	a1,b2,c1,c1, d1	-Developing the Project Schedule -Project Management Software Tools -Developing the Project Budget -The Baseline Plan	2	6
7	Managing Project Risk	a1,d1	-Create a Risk Plan	1	3

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			-Identify Risks		
			-Analyze Risk		
			-Develop Risk Strategies		
			-Monitor and Control Risk		
			-Respond and Evaluate Response to Risk		
8	Managing Project Stakeholders and Communication	a1,d2,c1	-Stakeholder Analysis -Monitoring and Controlling the Project -The Project Communications Plan -Reporting Performance and Progress	1	3
9	Managing Project Quality	c1,c2	-Quality Philosophies -Process Capability and Maturity -The Project Quality Management Plan	1	3
10	Leading the Project Team	a1,d1,d2	-Project Leadership -Ethics and Leadership -Teams and Leadership -Multicultural Projects	1	3

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11	Project Completion	a1,c1,c2	-Product Release or System Implementation -Project Closure -Project Evaluation	1	3
Number of Weeks /and Units Per Semester				**16**	**48**

V. Teaching strategies of the course:

The subject involves weekly two-hour lectures. The lectures are a mix of:

- Direct delivery Lectures

- Interactive student discussion

VI. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Project	All	14	15%

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Quizzes 1,2	w3-9	55	5%	a1,a2
2	Project	w14	15	15%	All
3	Mid Exam. 20%	w7	20	20%	a1,a2,b1
4	Final Exam. 60%	w16	60	60%	All

VIII. Learning Resources:

- *Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher).*

1- Required Textbook(s) (maximum two).

	1. Ayman N. Alkhaldi, 2019, Project Management Information Systems: A Hand Book for Managing Projects' Information, Environment and Software ,1st Ed , Independently published 2. David Olson, 2014, Information System Project Management, 5 Edition, Business Expert.

2- Essential References.

	1. Robert K. Wysocki, 2019, Effective Project Management: Traditional, Agile, Extreme, Hybrid, 8th ed, Wiley.

3- Electronic Materials and Web Sites *etc*.

	https://www.tutorialspoint.com/management_concepts/

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VIII. Course Policies:	
Unless otherwise stated, the normal course administration policies and rules of the Faculty of Computer and Information Technology apply. For the policy, see: ----------------------------------- The University Regulations on academic misconduct will be strictly enforced. Please refer to -----------	
1	**Class Attendance:** A student should attend not less than 75 % of total hours of the subject; otherwise he will not be able to take the exam and will be considered as exam failure. If the student is absent due to illness, he/she should bring a proof statement from university Clinic
2	**Tardy:** For late in attending the class, the student will be initially notified. If he repeated lateness in attending class he will be considered as absent.
3	**Exam Attendance/Punctuality:** A student should attend the exam on time. He is Permitted to attend an exam half one hour from exam beginning, after that he/she will not be permitted to take the exam and he/she will be considered as absent in exam.
4	**Assignments & Project** The assignment is given to the students after each chapter; the student has to submit all the assignments for checking on time.
5	**Cheating:** For cheating in exam, a student will be considered as fail. In case the cheating is repeated three times during his/her study the student will be disengaged from the Faculty.
6	**Plagiarism:** Plagiarism is the attending of a student the exam of a course instead of another student. If the examination committee proofed a plagiarism of a student, he will be disengaged from the Faculty. The final disengagement of the student from the Faculty should be confirmed from the Student Council Affair of the university.
7	**Other policies:** - Mobile phones are not allowed to use during a class lecture. It must be closed, otherwise the student will be asked to leave the lecture room - Mobile phones are not allowed in class during the examination.

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		- Lecture notes and assignments my given directly to students using soft or hard copy

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Faculty of Computer & Information Technology

Department of Information System

Program of Information System

Course syllabus of IS Project Management

Course No (...................)

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Template for Course Plan (Syllabus)

I. - Information about Faculty Member Responsible for the Course:

Name of Faculty Member		Office Hours					
		SAT	**SUN**	**MON**	**TUE**	**WED**	**THU**
Location&Telephone No.							
E-mail							

II. Course Identification and General Information:

1-	**Course Title:**	IS Project Management				
2-	**Course Number & Code:**					
3-	**Credit hours:**	**C.H**				**Total**
		Th.	**Seminar**	**Pr.**	**F. Tr.**	
		2	-	-	-	**2**
4-	**Study level/year at which this course is offered:**	3rd Level- 1st Semester				
5-	**Pre –requisite (if any):**	None				
6-	**Co –requisite (if any):**	None				
7-	**Program (s) in which the course is offered**	Information Security				
8-	**Language of teaching the course:**	English				
9-	**System of Study:**	Term based system				
10-	**Mode of delivery:**	Full Time				

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11-	Location of teaching the course:	Faculty of Computer and Information Technology

III. Course Description:

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IV. Intended learning outcomes (ILOs) of the course:

- Brief summary of the knowledge or skill the course is intended to develop:

1- Demonstrate clear understanding of general issues of project management with focus on IS project.
2- Awareness and Understanding of the relationship among scope, schedule, and budget.
3- Identifying and evaluating of the critical success factors, unique risks, and issues, associated with IS projects
4- Apply the quality concepts, methods, and tools for IS project management.
5- Apply several methods, technique, and tools for defining and managing the IS a project.
6- Apply several project estimation and quality methods.
7- Leadership and apply critical and Systems thinking.
8- Communication skills and Work with a team.

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V. Course Content:		
● Distribution of Semester Weekly Plan of Course Topics/Items and Activities.		
A – Theoretical Aspect:		

Order	Topics List	Week Due	Contact Hours
1	The Nature of IS Projects • Introduction • What Is a Project? • Project Attributes • What Is Project Management? • Projects, Programs, and Portfolios • Project Management and Information Technology • The State of IS Project Management	1	3
2	Project Methodologies and Processes • The Project Life Cycle • Project Management Knowledge Areas • Project Processes • Project Process Groups	2	6
3	Measurable Organizational Value and the Business Case • Measurable Organizational Value (MOV) • The MOV and Project Objectives • Developing the MOV • The Business Case • Developing the Business Case • Project Selection and Approval • The IS Project Selection Process	1	3
4	Project Planning: The Project Infrastructure • Project Governance • The Project Manager • Project Team • The Organization and Project Planning • Procuring External Project Resources	2	6

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	• The Project Charter • What Should Be in a Project Charter?		
	Mid Test	1	3
5	Project Planning: Scope and the Work Breakdown Structure • The Triple Constraint • Defining and Managing Project • Scope • Validate Scope • Control Scope • The Work Breakdown Structure (WBS) • Project Estimation	2	6
6	Project Planning: The Schedule and Budget • Developing the Project Schedule • Project Management Software Tools • Developing the Project Budget • The Baseline Plan	2	6
7	Managing Project Risk • Create a Risk Plan • Identify Risks • Analyze Risk • Develop Risk Strategies • Monitor and Control Risk • Respond and Evaluate Response to Risk	1	3
8	Managing Project Stakeholders and Communication • Stakeholder Analysis • Monitoring and Controlling the Project • The Project Communications Plan	1	3

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	• Reporting Performance and Progress		
9	Managing Project Quality • Quality Philosophies • Process Capability and Maturity • The Project Quality Management Plan	1	3
10	Leading the Project Team • Project Leadership • Ethics and Leadership • Teams and Leadership • Multicultural Projects	1	3
	Project Completion • Product Release or System Implementation • Project Closure • Project Evaluation	1	3
Number of Weeks /and Units Per Semester		**16**	**48**

VI. Teaching strategies of the course:

The subject involves weekly three-hour lectures. The lectures are a mix of:

- Direct delivery Lectures

- Interactive student discussion

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VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Project	All	14	15%

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

Assessment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Quizzes 1,2	w3-9	5	5%
2	Project	w14	15	15%
3	Mid Exam. 20%	w7	20	20%
4	Final Exam. 60%	w16	60	60%

IX. Learning Resources:

• Written in the following order: (Author – Year of publication – Title – Edition – Place of publication – Publisher).

1- Required Textbook(s) (maximum two).

1. Ayman N. Alkhaldi, 2019, Project Management Information Systems: A Hand Book for Managing Projects' Information, Environment and Software ,1st Ed , Independently published
2. David Olson, 2014, Information System Project Management, 5 Edition, Business Expert.

2- Essential References.

1. Robert K. Wysocki, 2019, Effective Project Management: Traditional, Agile, Extreme, Hybrid, 8th ed, Wiley.

2. Badiru, Adedeji Bodunde,2019,Project Management : Systems, Principles, and Applications, 2nd Ed, CRC Press LLC

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3- Electronic Materials and Web Sites *etc.*
https://www.tutorialspoint.com/management_concepts/

IX.   Course Policies:

Unless otherwise stated, the normal course administration policies and rules of the Faculty of Computer and Information Technology apply. For the policy, see: ----------------------------------

The University Regulations on academic misconduct will be strictly enforced. Please refer to **-----------**

1	**Class Attendance:** A student should attend not less than 75 % of total hours of the subject; otherwise he will not be able to take the exam and will be considered as exam failure. If the student is absent due to illness, he/she should bring a proof statement from university Clinic
2	**Tardy:** For late in attending the class, the student will be initially notified. If he repeated lateness in attending class he will be considered as absent.
3	**Exam Attendance/Punctuality:** A student should attend the exam on time. He is Permitted to attend an exam half one hour from exam beginning, after that he/she will not be permitted to take the exam and he/she will be considered as absent in exam.
4	**Assignments & Project** The assignment is given to the students after each chapter; the student has to submit all the assignments for checking on time.
5	**Cheating:** For cheating in exam, a student will be considered as fail. In case the cheating is repeated three times during his/her study the student will be disengaged from the Faculty.
6	**Plagiarism:** Plagiarism is the attending of a student the exam of a course instead of another student. If the examination committee proofed a plagiarism of a student, he will be disengaged from the Faculty. The final disengagement of the student from the Faculty should be confirmed from the Student Council Affair of the university.

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7	**Other policies:** - Mobile phones are not allowed to use during a class lecture. It must be closed, otherwise the student will be asked to leave the lecture room - Mobile phones are not allowed in class during the examination. - Lecture notes and assignments my given directly to students using soft or hard copy

اللجنة الإشرافية

م.	الاســـم	الصـــــفة	التوقيع
١	أ.م.د. عبد الماجد الخليدي	نائب عميد الكلية للشؤون الأكاديمية	
٢	أ.م.د. احمد مجاهد	نائب عميد مركز التطوير الأكاديمي وضمان الجودة	
٣	د. حسين الأشول	ممثل المركز في الكلية	
٤	أ.د. إبراهيم المطاع	نائب رئيس الجامعة للشؤون الأكاديمية	

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