

Syrian Arab Republic	 الجامعة الافتراضية السورية SYRIAN VIRTUAL UNIVERSITY	الجمهورية العربية السورية
Ministry of Higher Education and scientific research		وزارة التعليم العالي والبحث العلمي
Syrian Virtual University		الجامعة الافتراضية السورية

Course Description: Project Management

1 – Basic Information

Course Name	Project Management
Course ID	PRM.34
Contact Hours (Synchronized Sessions)	28
Contact Hours with the tutor outside the Synchronized Sessions	17
Contact Hours (Registered Sessions)	130
Exam	
Registered Sessions Work Load	
Synchronized Session Work Load	
Credit Hours	7
Course Level	7

2– Pre-Requisites

Course	ID
Operations Management	OM.105
Financial Management	FM.107

3– Course General Objectives

Project management theory, terms and concepts are introduced in this course. Students will discover the project life cycle and learn how to build a successful project from pre-implementation to completion. It will introduce project management topics such as resources, costs, time constraints and project scopes.

The goal of the Project Management program is to prepare students to be able to have the necessary knowledge and skills to plan, organize, staff, lead and exercise control in the directing and coordinating of resources to achieve project objectives. Therefore, the objective of the course is to produce graduates who have managerial skills to plan and direct projects.

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4-Intended Learning Outcomes (ILO)

Code	Intended Learning Outcomes
ILO1	Recognizing the importance of project management in the global economy
ILO2	Identify the concept of the and the project management
ILO3	Identify the knowledge areas in project management
ILO4	Identify the project life cycle
ILO5	Identify the project definition mechanism and how to build the work breakdown structure
ILO6	Understand the planning and scheduling of projects and practice the design of the project network
ILO7	Understand project resource planning, cost estimating, and budgeting
ILO8	Identify the mechanism of monitoring and controlling of the project and understanding the different variances and performance indicators used in Earned Value Analysis method
ILO9	Understand the concept of risk and how to predict risks and how to plan to avoid them or to manage them when occurred
ILO10	Identify the types of project organizational structures and how the appropriate structure of the project is designed
ILO11	Learn how to form and manage the project team
ILO12	Learn how to close up the project

5-Course Syllabus

(21 hours of total Recorded Sessions, 28 hours of total synchronized sessions)

- **RS:** Recorded Sessions; **SS:** Synchronized Sessions;

ILO	Course Syllabus	RS	SS	Type	Additional Notes
ILO1 ILO2 ILO3	<ul style="list-style-type: none"> • Introduction to Project Management <ul style="list-style-type: none"> ○ Definition of the project ○ Factors of success and failure of projects ○ Definition of project management ○ History of project management science ○ Project management profession 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO3 ILO4	<ul style="list-style-type: none"> • Project life cycle <ul style="list-style-type: none"> ○ Project definition ○ Project planning 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars	Mini-project

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	<ul style="list-style-type: none"> ○ Project executing ○ Project monitoring and controlling ○ Project closing ○ Project management systems 			<input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	
ILO5	<ul style="list-style-type: none"> ● Project definition <ul style="list-style-type: none"> ○ Project scope definition ○ Project priorities ○ Work breakdown structure ○ Project Information System 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO6	<ul style="list-style-type: none"> ● Project time planning <ul style="list-style-type: none"> ○ Planning concept ○ Work breakdown structure ○ Milestones ○ Activities ○ Relations between activities ○ Estimate time ○ Estimate resources ○ Project network ○ Critical path method ○ Gantt Chart 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO7	<ul style="list-style-type: none"> ● Project resources planning <ul style="list-style-type: none"> ○ Estimate resources ○ Resource graph ○ Resource levelling ○ Resource levelling with time constraints ○ Resource levelling with resource constraints 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO8	<ul style="list-style-type: none"> ● Project cost management <ul style="list-style-type: none"> ○ Resource planning ○ Cost estimation ○ Budgeting ○ Cost control 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO8	<ul style="list-style-type: none"> ● Project monitoring and controlling <ul style="list-style-type: none"> ○ Project monitoring ○ Project control ○ Earned value analysis ○ Time variances and performance 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project

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	indicators ○ Cost variances and performance indicators				
ILO10	<ul style="list-style-type: none"> ● Organizational structures of projects <ul style="list-style-type: none"> ○ Organizational structure ○ Functional organizational structure ○ Projectized organizational structure of projects ○ Matrix organizational structure 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO9	<ul style="list-style-type: none"> ● Project risk management <ul style="list-style-type: none"> ○ The concept of risk ○ Identification of risks ○ Risk assessment ○ Risk response plan ○ Risk control 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO11	<ul style="list-style-type: none"> ● Project human resources management <ul style="list-style-type: none"> ○ Stakeholders Management ○ Formation of the team ○ Communication management ○ Conflict management and resolution ○ Negotiation ○ Performance assessment and motivation 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project
ILO12	<ul style="list-style-type: none"> ● Termination of the project <ul style="list-style-type: none"> ○ Project completion activities ○ Project closure styles ○ Evaluation of the project ○ Lessons learned 	-	-	<input type="checkbox"/> Exercises <input type="checkbox"/> Assignments <input type="checkbox"/> Seminars <input type="checkbox"/> Projects <input type="checkbox"/> Practices <input type="checkbox"/> Others	Mini-project

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6- Assessment Criteria (Related to ILOs)

ISC	Interactive Synchronized Collaboration	Ex	Exams	Rpt	Reports
PF2F	Presentations and Face-to-Face Assessments	PW	Practice Work		

ILO Code	ILO	Intended Results	Assessment Type				
			ISC	PW	Ex	PF2F	Rpt
ILO1	Recognizing the importance of project management in the global economy	-	x	x	x	x	x
ILO2	Identify the concept of the and the project management	-	x	x	x	x	x
ILO3	Identify the knowledge areas in project management	-	x	x	x	x	x
ILO4	Identify the project life cycle	-	x	x	x	x	x
ILO5	Identify the project definition mechanism and how to build the work breakdown structure	-	x	x	x	x	x
ILO6	Understand the planning and scheduling of projects and practice the design of the project network	-	x	x	x	x	x
ILO7	Understand project resource planning, cost estimating, and budgeting	-	x	x	x	x	x
ILO8	Identify the mechanism of monitoring and controlling of the project and understanding the different variances and performance indicators used in Earned Value Analysis method	-	x	x	x	x	x
ILO9	Understand the concept of risk and how to predict risks and how to plan to avoid them or to manage them when occurred	-	x	x	x	x	x
ILO10	Identify the types of project organizational structures and how the appropriate structure of the project is designed	-	x	x	x	x	x
ILO11	Learn how to form and manage the project team	-	x	x	x	x	x
ILO12	Learn how to close up the project	-	x	x	x	x	x

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7-Practice Tools

Tool Name	Description
Microsoft Project	A software for planning and controlling projects

8-Main References

<ol style="list-style-type: none"> 1- Erik W. Larson and Clifford F. Gray. Project Management the Managerial Process, 8th Ed, 2020, McGraw-Hill/Irwin. 2- PMI. A Guide to the Project Management Body of Knowledge PMBOK, 6th Ed, 2017, Project Management Institute Inc. 3- Harold Kerzner. Project Management - A Systems Approach to Planning, Scheduling, and Controlling, 12th Ed, 2017, John Wiley & Sons Inc.
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9-Additional References

<ol style="list-style-type: none"> 1- Wysocki, Robert K. Effective Project Management _ Traditional, Agile, Extreme, 8th Ed, 2019, John Wiley & Sons, Incorporated. 2- Timothy J. Kloppenborg. Contemporary project management _ organize, lead, plan, perform, 4th Ed, 2019, Cengage Learning. 3- Gary L Richardson_ Brad M Jackson. Project Management Theory and Practice, 3^d Ed, 2018, Auerbach Publications CRC Press. 4- Te Wu. Optimizing Project Management, 2020, CRC Press. 5- Kathy Schwalbe. Information Technology Project Management, 9th Ed, 2019, Cengage. 6- Joachim Rossberg. Agile Project Management with Azure DevOps _ Concepts, Templates, and Metrics, 2019, Apress. 7- Harold Kerzner. Using the Project Management Maturity Model_ Strategic Planning for Project Management, 3^d Ed, 2019, Wiley John + Sons. 8- Jeffrey K. Pinto. Project Management_ Achieving Competitive Advantage, 5th Ed, 2019, Pearson Education, Inc. 9- Harold Kerzner. Project Management Best Practices_ Achieving Global Excellence, 4th Ed, 2018, Wiley. 10- Heldman, Kim. PMP Project Management Professional Exam Study Guide, 9th Ed, 2018, John Wiley et Sons.
