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

Course Description: Project Management

1- Basic Information

Course Name	Project Management
Course ID	BQM607
Contact Hours (Synchronized Sessions)	24
Contact Hours with the tutor outside the Synchronized Sessions	24
Contact Hours (Registered Sessions)	-
Exam	75 min
Registered Sessions Work Load	48
Synchronized Session Work Load	24
Credit Hours	5
Course Level	6

2- Pre-Requisites

Course	ID
Feasibility Studies	BAC607

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.

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	Learn how to close up the project
ILO10	Understand the concept of risk and how to predict risks and how to plan to avoid them or to manage them when occurred
ILO11	Identify the types of project organizational structures and how the appropriate structure of the project is designed
ILO12	Learn how to form and manage the project team

5- Course Syllabus

(24 hours of total Recorded Sessions, 24 hours of total synchronized sessions)

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

ILO	Course Syllabus	RS	SS	Type	Additional Notes
ILO1 ILO2 ILO3	• **Introduction to Project Management** o Definition of the project o Factors of success and failure of projects o Definition of project management o History of project management science o Project management profession	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO3 ILO4	• **Project life cycle** o Project definition o Project planning o Project executing o Project monitoring and controlling o Project closing o Project management systems	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO5	• **Project definition** o Project scope definition o Project priorities o Work breakdown structure	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects**	Mini-project

	o Project Information System			☐ Practices ☐ Others	
ILO6	• **Project time planning** o Planning concept o Work breakdown structure o Milestones o Activities o Relations between activities o Estimate time o Estimate resources o Project network o Critical path method o Gantt Chart	6	6	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO7	• **Project resources planning** o Estimate resources o Resource graph o Resource levelling o Resource levelling with time constraints o Resource levelling with resource constraints	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO8	• **Project monitoring and controlling** o Project monitoring o Project control o Earned value analysis o Time variances and performance indicators o Cost variances and performance indicators	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO09	• **Project risk management** o The concept of risk o Identification of risks o Risk assessment o Risk response plan o Risk control	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO10	• **Project team management** o Stakeholders Management o Formation of the team o Communication management	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices	Mini-project

	o Conflict management and resolution o Negotiation o Performance assessment and motivation			☐ Others	
ILO11	• **Organizational structures of projects** o Organizational structure o Functional organizational structure o Projectized organizational structure of projects o Matrix organizational structure	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project
ILO12	• **Termination of the project** o Project completion activities o Project closure styles o Evaluation of the project o Lessons learned	2	2	☐ **Exercises** ☐ **Assignments** ☐ Seminars ☐ **Projects** ☐ Practices ☐ Others	Mini-project

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	• Explain the role of projects in organizations in a competitive environment	x	x	x	x	x
ILO2	Identify the concept of the and the project management	• Define project attributes • Differentiate between project works and operational or functional works	x	x	x	x	x

		• Clarify the triple constraint of project management					
ILO3	Identify the knowledge areas in project management	• Define and explain the ten knowledge areas in project management according to PMBOK	x	x	x	x	x
ILO4	Identify the project life cycle	• Define the main activities at each phase of the project life cycle	x	x	x	x	x
ILO5	Identify the project definition mechanism and how to build the work breakdown structure	• Design a specific project charter • Design a WBS for a specific project	x	x	x	x	x
ILO6	Understand the planning and scheduling of projects and practice the design of the project network	• Draw a project network • Perform critical path method calculations • Implement schedule compression mechanisms	x	x	x	x	x
ILO7	Understand project resource planning, cost estimating, and budgeting	• Draw resource diagram • Implement the two resource leveling methods	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	• Apply the earned value analysis method to a specific project	x	x	x	x	x

ILO9	Learn how to close up the project	• Explain the main activities in the closing phase of the project	x	x	x	x	x
ILO10	Understand the concept of risk and how to predict risks and how to plan to avoid them or to manage them when occurred	• Apply a risk management process to a specific project	x	x	x	x	x
ILO11	Identify the types of project organizational structures and how the appropriate structure of the project is designed	• Differentiate between the three types of project organizational structures • Show how to determine the most appropriate structure for a particular project	x	x	x	x	x
ILO12	Learn how to form and manage the project team	• Explain of the team management process	x	x	x	x	x

7- Practice Tools

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

8- Main References

1- Adrienne Watt. Project Management. 2014, Open University of Hong Kong.
2- Furnham A. Myers-Briggs Type Indicator (MBTI). In: Zeigler-Hill V., Shackelford T. (eds) Encyclopedia of Personality and Individual Differences. 2017, Springer, Cham.
3- Gary L Richardson_ Brad M Jackson. Project Management Theory and Practice, 3d Ed, 2018, Auerbach Publications CRC Press.
4- Heldman, Kim. PMP Project Management Professional Exam Study Guide, 9th Ed, 2018, John Wiley et Sons.

5- Kerzner Harold. Project Management - A Systems Approach to Planning, Scheduling, and Controlling, 12th Ed, 2017, John Wiley & Sons Inc.

6- Kerzner Harold. Project Management Best Practices_ Achieving Global Excellence, 4th Ed, 2018, Wiley.

7- Kerzner Harold. Using the Project Management Maturity Model_ Strategic Planning for Project Management, 3d Ed, 2019, Wiley John + Sons.

8- Larson Erik W. and Gray Clifford F. Project Management the Managerial Process, 8th Ed, 2020, McGraw-Hill/Irwin.

9- PMI. A Guide to the Project Management Body of Knowledge PMBOK, 6th Ed, 2017, Project Management Institute Inc.

9- Additional References

1- Pinto Jeffrey K.. Project Management_ Achieving Competitive Advantage, 5th Ed, 2019, Pearson Education, Inc.

2- Joseph Heagney. Fundamentals of Project Management, 5th Ed, 2016, AMACOM.

3- Rossberg Joachim. Agile Project Management with Azure DevOps _ Concepts, Templates, and Metrics, 2019, Apress.

4- Schwalbe Kathy. Information Technology Project Management, 9th Ed, 2019, Cengage.

5- Timothy J. Kloppenborg. Contemporary project management _ organize, lead, plan, perform, 4th Ed, 2019, Cengage Learning.

6- Wu Te. Optimizing Project Management, 2020, CRC Press.

7- Wysocki, Robert K. Effective Project Management _ Traditional, Agile, Extreme, 8th Ed, 2019, John Wiley & Sons, Incorporated.