



Course Specification

— (Bachelor)

Course Title: Cloud Services Management

Course Code: IT 472

Program: B.Sc. Information Technology

Department: : Information Technology

College: College of Computer and Information Sciences

Institution: Majmaah University

Version: V2023

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A. General information about the course:

1. Course Identification

1. Credit hours: 3(2,2,0)

2. Course type

- A. University College Department Track Others
- B. Required Elective

3. Level/year at which this course is offered: (Level)

4. Course general Description:

Cloud Services Management is intended to provide candidates with best practice guidance on how to use the capabilities offered by the cloud to identify and pursue opportunities, manage risks, and achieve their desired business outcomes. It is also intended to provide the candidate with the practical skills and knowledge necessary to create, align and integrate key concepts to the cloud consumer journey

5. Pre-requirements for this course (if any): Foundations of Cloud Computing

6. Co-requisites for this course (if any):NIL

7. Course Main Objective(s):

1. To know how to identify the types of cloud services and understand their applicability to an organization's context
2. To know how to manage the use of cloud services
3. To know how to evaluate and improve a cloud strategy

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4	Distance learning		



3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1				
1.2				
...				
2.0	Skills			
2.1	know how to identify the types of cloud services and understand their applicability to an organization's context	S2	Mini Project, Lab Exercises	Lab Based Assignments, Mini Project
2.1	Understand how to manage the use of cloud services	S4	Mini Project, Graduation Project, Lab Exercises	Case Study Implementation/ Laboratory /Mini project
2.2	Evaluate and improve a cloud strategy	S3	Oral /Written Communication, Seminar	Group Assignments, Mini Project



Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
...				
3.0	Values, autonomy, and responsibility			
3.1				
3.2				
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Content of a business case for cloud, define organization's requirements for cloud solutions	8
2.	Organizational readiness assessment for cloud adoption	4
3.	Communicate a cloud business case	4
4.	Types of cloud service providers	4
5.	The key elements of a cloud strategy for a service consumer	8
6.	Cloud solutions affect the organization's services and agreements with customers	4
7.	Identify the available services that are relevant to the organization's context	8
8.	The shared responsibility model, o measure quality of consumed cloud services, the tools, techniques, methods, and controls used to manage the use of cloud services	8
9.	Apply appropriate tools, techniques, methods, and controls to manage the use of cloud services in context	4
10.	Adjustments for a cloud strategy to respond to VUCA challenges	4
11.	Apply the continual improvement model to an organization's cloud strategy	4
Total		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Final Exam	Week 16	40%
2.	Midterm Exam	Week 8	20%
3.	Homework, Assignment, Quiz, Mini project	Week 2,4,6,8,10,12,15	40%
...			





*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Acquiring and Managing Cloud Services, AXELOS, Stationery Office, 2021, ISBN 0113318189, 9780113318186
Supportive References	
Electronic Materials	
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms, laboratories
Technology equipment (projector, smart board, software)	projector, smart board, software AWS and Azure
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	CLO Survey
Effectiveness of Students assessment	Instructor	Quiz, Mid exam, Assignments, Exercises, Final Exam and Indirect Survey
Quality of learning resources	Convener, instructors, HOD	Regular follow ups
The extent to which CLOs have been achieved	Instructor, TA	Performance in the exam for a particular CLO(s)
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	
REFERENCE NO.	





DATE

