



Course Specification

(Bachelor)

Course Title: IT Systems Components

Course Code: APIS1204

Program: Diploma in Information Security

Department: Diplomas

College: Applied College

Institution: Umm Al-Qura University

Version: 1

Last Revision Date: 14/12/2024



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A. General information about the course:

1. Course Identification

1. Credit hours: (3)

2. Course type

A. ☐ University ☐ College ☒ Department ☐ Track ☐ Others
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (level 2, 1st year)

4. Course general Description:

This course is designed to equip the candidates for becoming an Entry Level L1, Desktop Support, Service Engineer, Customer Support Engineer, FM Engineer, Hardware Engineer and IT Support Specialist in End User Computing environment.

Candidates will learn about Desktop and Laptop Computer Hardware Technology like Motherboard, Hard Disk, Memory Processors, Assembling, Computer Peripherals Like Printers & Scanners.

Windows 10/11 Operating system, Understanding the latest Technologies.

Troubleshooting all kind of Hardware and OS related issues.

Through this course, candidates shall also gain the knowledge to take the International Certification example like CompTIA A+ Certification Core 1 (220-1001).

5. Pre-requirements for this course (if any):

6. Pre-requirements for this course (if any):

7. Course Main Objective(s):

- Understanding Computers Architecture
- Know computer hardware component such as Motherboard, Processor , RAM and storage
- Understanding Computer Assembling
- Install and configure user operating system such Windows10/11 or Linux
- Understanding User Account Management and local security policies

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	Understanding Computers Architecture	K1	Course lectures, project	Quizzes, Midterm Exam, Final Exam
1.2	Know computer hardware component such as Motherboard, Processor , RAM and storage	K1	Course lectures, lab exercises, project	Quizzes, Midterm Exam, Final Exam
1.3	Understanding User Account Management and local security policies	K2	Course lectures, lab exercises, project	Quizzes, Midterm Exam, Final Exam
2.0	Skills			
2.1	Install and configure user operating system such Windows10/11 or Linux	S1	Lab coursework Project	Quizzes, Midterm Exam, Final Exam, project





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.2	Assemble a computer	S2	Lab coursework Project	Quizzes, Midterm Exam, Final Exam, project
2.3	Troubleshoot desktop computer hardware and software	S2	Lab coursework Project	Quizzes, Midterm Exam, Final Exam, project
3.0	Values, autonomy, and responsibility			
3.1	To work effectively and collaboratively in a teamwork setting.	V4	Project	Project

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to computer hardware and computer components	12
2.	Computer Assembly.	12
3.	Desktop Operating systems, components and installation	12
4.	Desktop operating system configuration and utility software	12
5.	Trouble shooting and maintenance	12
		60

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quizzes	1 - 15	10%
2.	Labs	1 - 15	15%
3.	Project	1 - 15	20%
4.	Midterm	1 - 15	20%
5.	Final Exam	Finals Week	35%

*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	CompTIA A+ Complete Study Guide: Exam Core 1 220–1001 and Exam Core 2 220–1002, Sybex; 4th edition (31 May 2019)
Supportive References	•
Electronic Materials	Umm Al Qura e-learning system containing teaching resources (Slides, assignment papers, etc.)
Other Learning Materials	N/A

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture room with: * at least 30 seats * A data show projector connected to a PC preferably with Internet connection * sliding board * PC Lab (at least 30 seats)
Technology equipment (projector, smart board, software)	30 Linux/Windows PCs
Other equipment (depending on the nature of the specialty)	A maintenance lab + A PC lab with various operating systems such as Linux windows etc.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of Students' assessment	Peers	Direct
Quality of learning resources	Quality Assurance Committee/ Curriculum Committee	Direct
The extent to which CLOs have been achieved	Instructor	Direct
Other		

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

Assessment Methods (Direct, Indirect)





G. Specification Approval

COUNCIL /COMMITTEE	Umm Al-Qura University Council
REFERENCE NO.	851141114462/190358
DATE	1446/11/22

