

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Principles of IT		Module Delivery
Module Type	Core		<input checked="" type="checkbox"/> Theory <input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Tutorial <input checked="" type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code			
ECTS Credits	7		
SWL (hr/sem)			
Module Level	1	Semester of Delivery	
Administering Department	CIS	College	CSIT
Module Leader	Ebtisam.s.jaber	e-mail	ebtesam.jaber@uobasrah.edu.iq
Module Leader's Acad. Title	Lecturer	Module Leader's Qualification	MSc.
Module Tutor	Name (if available)	e-mail	
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	01/06/2023	Version Number	1.0

Relation with other Modules			
العلاقة مع المواد الدراسية الأخرى			
Prerequisite module		Semester	
Co-requisites module		Semester	2

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Objectives أهداف المادة الدراسية	This course aims at teaching students how to use a variety of computer applications as tools to improve students' performance in school, increase their future productivity in the work place and enhance their level of critical thinking. Students will use computer networks and applications to locate, evaluate, and use information, create written documents and oral presentations. This course will assist students in understanding the underlying concepts of these technologies and provide project-oriented learning opportunities. The goal is for students to become independent users of information, computer technology and library resources.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	The student will acquire fundamental computer skills that can be effectively applied to data processing and presentation tasks. This includes gaining proficiency in essential computer operations, such as file management, utilizing productivity tools, and navigating digital interfaces. Through practical application, the student will develop the ability to handle and manipulate data, as well as create compelling presentations.
Indicative Contents المحتويات الإرشادية	<p>The course will build on your existing user-level knowledge and experience with personal computer software and hardware to present fundamental skills and concepts that you will use on the job.</p> <p>In this course, you will acquire the essential skills and information you will need to install, upgrade, repair, configure, troubleshoot, optimize, and perform preventative maintenance of basic personal computer hardware and operating systems</p> <p>This course will:</p> <p>Help acquires the essential skills and information needed to install, upgrade, repair, configure, troubleshoot, optimize, and perform preventative maintenance of basic personal computer hardware and operating systems.</p> <p>Assist you in preparing to take the CompTIA A+ certification Examinations</p>

Identify network technologies.

Install and manage network connections.

Support laptops and portable computing devices.

Support printers and scanners.

Identify personal computer security concepts.

Support personal computer security

1- In this session, you will learn to:

2- Identify the major components of personal computers.

3- Identify the major components of the system unit.

4- Identify the various types of storage devices used in personal computers.

6- Identify personal computer connection methods

2- In this session, you will learn to:

Identify the major personal computer operating systems.

Identify the primary components of the Windows user interface.

Identify the primary tools and functions used in Windows file system management.

Identify Windows system management tools.

3- In this session, you will learn to:

Identify common hardware and software tools used by professional personal computer technicians.

Identify the best practices for PC technicians to follow to promote electrical safety.

Identify the best practices for PC technicians to follow to promote environmental safety and proper handling of materials.

Identify and apply the general preventative maintenance best

practices that PC technicians should employ.

Identify the general diagnostics and troubleshooting best

practices that PC technicians should employ.

Identify best practices for PC technicians to use to

communicate appropriately with clients and colleagues and

conduct business in a professional manner

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4- In this session, you will learn to:

Install and configure display devices.

Install and configure input devices.

Install and configure adapter cards.

Install multimedia devices

5- In this session, you will learn to:

Select, install, and configure storage devices.

Install and configure power supplies.

Install and configure memory.

Install and configure CPUs.

Install and configure system boards.

6-In this session, you will learn to:

Test and troubleshoot display devices.

Maintain and troubleshoot input devices.

Test and troubleshoot adapter cards.

Troubleshoot multimedia devices.

Troubleshoot storage devices

7-In this session, you will learn to:

Test and troubleshoot power supplies.

Test and troubleshoot memory.

Test and troubleshoot CPUs.

Test and troubleshoot system boards

8-In this session, you will learn to:

Install Microsoft Windows.

Upgrade Windows from a given version to a later version.

Add devices to an installation of Microsoft Windows.

Optimize an installation of Microsoft Windows

9-In this session, you will learn to:

Identify Windows operating system utilities to use in maintenance and troubleshooting.

Perform backups.

Troubleshoot Windows.

Recover a damaged installation of Windows

10-In this session, you will learn to:

Identify fundamental concepts of computer networks.

Identify network communications technologies.

Identify network connectivity technologies.

Identify Internet technologies

11-In this session, you will learn to:

Create network connections.

Install and configure web browsers.

Maintain and troubleshoot network connections.

Identify components that are specialized for laptops and portable computing devices.

12-In this session, you will learn to:

Install and configure laptops and portable computing devices.

Maintain and troubleshoot laptops and portable computing devices.

Identify major types of printer and scanner technologies

13-In this session, you will learn to:

Identify the technical components of printers and scanners.

Identify printing and scanning processes.

Install and configure printers and scanners.

Maintain and troubleshoot printers and scanners