Learning and Teaching Strategies				
استراتيجيات التعلم والتعليم				
Strategies	The primary approach for delivering this module will focus on fostering active student engagement in exercises, while simultaneously enhancing their critical thinking abilities. This will be accomplished through a combination of classroom and laboratory sessions, interactive tutorials, and the incorporation of captivating sampling activities to facilitate hands-on learning experiences for the students.			

Student Workload (SWL)						
الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا						
Structured SWL (h/sem)		Structured SWL (h/w)	_			
الحمل الدراسي المنتظم للطالب خلال الفصل	77	الحمل الدراسي المنتظم للطالب أسبوعيا	4			
Unstructured SWL (h/sem)	00	Unstructured SWL (h/w)	_			
الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	الحمل الدراسي غير المنتظم للطالب أسبوعيا	5			
Total SWL (h/sem)						
الحمل الدراسي الكلي للطالب خلال الفصل	175					

Module Evaluation							
تقييم المادة الدراسية							
		Time/Number Weight (Marks) Week Due			Relevant Learning Outcome		
Formative	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #10, #11		
assessment	Assignments	2	10% (10)	2 and 12	LO #3, #4 and #6, #7		
	Projects / Lab.	1	10% (10)	Continuous	All		

	Report	1	10% (10)	13	LO #5, #8 and #10
Summative	Midterm Exam	2hr	10% (10)	7	LO #1 - #7
assessment	Final Exam	3hr	50% (50)	16	All
Total assessment		100% (100 Marks)			

	Delivery Plan (Weekly Syllabus)				
المنهاج الاسبوعي النظري					
	Material Covered				
Week 1	 Identify the major components of personal computers. Identify the major components of the system unit. Identify the various types of storage devices used in personal computers. Identify personal computer connection methods 				
Week 2	 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. 				
Week 3	 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 				
Week 4	 Install and configure display devices. Install and configure input devices. Install and configure adapter cards. 				

	Install multimedia devices
	Select, install, and configure storage devices.
	 Install and configure power supplies.
Week 5	Install and configure memory.
	Install and configure CPUs.
	Install and configure system boards.
	Test and troubleshoot display devices.
	Maintain and troubleshoot input devices.
Week 6	Test and troubleshoot adapter cards.
	Troubleshoot multimedia devices.
	Troubleshoot storage devices
	Test and troubleshoot power supplies.
Week 7	Test and troubleshoot memory.
	Test and troubleshoot CPUs.
	Test and troubleshoot system boards
Week 8	Mid-term Exam
	Install Microsoft Windows.
Week 9	 Upgrade Windows from a given version to a later version.
	 Add devices to an installation of Microsoft Windows.
	Optimize an installation of Microsoft Windows
	 Identify Windows operating system utilities to use in
Week 10	 maintenance and troubleshooting.
week 10	Perform backups.
	Troubleshoot Windows.
	Recover a damaged installation of Windows
	 Identify fundamental concepts of computer networks.
Week 11	 Identify network communications technologies.
	Identify network connectivity technologies.
	Identify Internet technologies
	Create network connections.
Week 12	Install and configure web browsers.
WCCK 12	 Maintain and troubleshoot network connections.
	 Identify components that are specialized for laptops and
	portable computing devices.
	 Install and configure laptops and portable computing devices.
Week 13	 Maintain and troubleshoot laptops and portable computing
	• devices.
	Identify major types of printer and scanner technologies
	 Install and configure laptops and portable computing devices.
Week 14	 Maintain and troubleshoot laptops and portable computing
	• devices.
	 Identify major types of printer and scanner technologies

Week 15	 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

Delivery Plan (Weekly Lab. Syllabus)						
المنهاج الاسبوعي للمختبر						
	Material Covered					
Week 1	 Operating System: Familiarization with the chosen operating system Navigating through the desktop, taskbar, and start menu File Management: Creating, renaming, copying, moving, and deleting files and folders Sorting and organizing files based on different criteria Utilities: Exploring system utilities for maintenance tasks Performing basic optimization tasks for computer performance Print Management: Setting up and configuring printers 					
Week 2	 Printing documents and adjusting print settings Using the Application: Opening the word processing application Exploring the user interface and menus Document Creation: Creating and saving a new document Opening an existing document 3. Formatting: Applying font styles, sizes, and colors Adjusting paragraph alignment Adding bullet points or numbering Applying basic text formatting (bold, italic, underline) 					
Week 3	1. Objects: Inserting and formatting images and shapes Adjusting object size and position Applying borders and shading 2. Mail Merge: Creating a data source with recipient information Designing a template with placeholders Performing a mail merge to generate personalized documents Previewing and editing merged documents Prepare Outputs: Formatting documents for printing Setting up headers, footers, and page numbers Adding tables of contents or indexes Creating PDF or electronic document formats					
Week 4	 Referencing: Adding citations and creating a bibliography Inserting footnotes or endnotes Enhancing Productivity: Using shortcuts and keyboard commands for faster editing Customizing the user interface and toolbar 					

	2 Collaborative Editing			
	3. Collaborative Editing:			
	Enabling track changes and reviewing document revisions Headting as well as a discounting as a flict.			
	Inserting comments and resolving conflicts			
	1. Using the Application:			
	Navigating the spreadsheet application			
	Exploring different toolbars and options			
	2. Cells:			
	Entering and formatting data in cells			
Week 5	Adjusting cell alignment and text wrapping			
Week 3	3. Managing Worksheets:			
	 Creating, renaming, and deleting worksheets 			
	Moving and copying worksheets			
	4. Formulas and Functions:			
	Writing basic formulas for calculations			
	Using common functions (e.g., sum, average, count)			
	Referencing cells in formulas			
	1. Formatting:			
	Formatting cell content			
	Applying conditional formatting			
	2. Charts:			
	Creating charts			
Week 6	Customizing chart elements			
	3. Prepare Outputs:			
	Setting up print areas Section and delegate acceptable acts.			
	Saving and sharing spreadsheets			
	4. Analysis:			
	Using functions for data analysis Sorting and filtering data			
	Sorting and filtering data1. Validating and Auditing:			
	Setting data validation rules			
	Auditing formulas for errors			
	2. Enhancing Productivity:			
Week 7	Using shortcuts for efficient navigation			
	Utilizing autofill and templates			
	3. Collaborative Editing:			
	Tracking changes by multiple users			
	Inserting comments			
Week8	Lab Exam			
1100.10	Edd Endin			
	Using the Application:			
	Navigating the presentation application			
	Exploring different toolbars and options			
	2. Developing a Presentation:			
	Creating slides and selecting layouts			
	Adding and arranging content (text, images, shapes)			
Week9	Applying themes and customizing backgrounds			
	3. Text:			
	Formatting text (font, size, color)			
	Aligning and spacing text on slides			
	4. Charts:			
	Inserting and formatting charts			
	Adding labels and titles to charts			
	1. Graphical Objects:			
Week10	Inserting and manipulating graphical objects			
	Applying effects and styles to graphics			
	Arranging and aligning graphical objects on slides			

	2 Proposo Outputes
	2. Prepare Outputs:Setting up slide layouts and design elements
	Configuring slide transitions and animations
	3. Presentation Planning:
	Outlining the structure and content of the presentation
	Determining key messages and visuals for each slide
	4. Slide Masters and Templates:
	Modifying slide masters for consistent design
	Creating and applying slide templates
	1. Multimedia:
	 Inserting and managing multimedia elements (videos, audio, animations)
	Configuring playback settings for multimedia
	Syncing multimedia with slide transitions
	2. Enhancing Productivity:
Week11	Utilizing shortcuts and productivity features
	 Using slide layouts and templates
	Applying design themes for visual appeal
	3. Managing Presentations:
	Organizing and managing slides
	Rearranging slide order
	Configuring slide show settings
	1. Web Browsing Concepts:
	Understanding the basics of web browsing - Cyploring different web browsers and their features.
Week12	 Exploring different web browsers and their features Learning about search engines and their functionalities
VVCCKIZ	2. Web Browsing:
	Opening a web browser and navigating to websites
	 Using bookmarks and favourites to save and access web pages
	Exploring tabs and managing multiple web pages
	1. Web-Based Information:
	Searching and accessing information from websites
	Evaluating online source reliability
	Bookmarking useful websites
	2. Communication Concepts:
Week13	Understanding online communication forms
	Practicing netiquette and online etiquette
	Recognizing online communication risks
	3. Using E-mail:
	Composing and sending emails
	Managing email folders
	Attaching files and formatting emails Author the Applications
	1. Using the Application:
	 Opening and navigating the Visio application Exploring the user interface and toolbars
	Familiarizing with various Visio features and options
Week14	2. Creating Technical Layouts:
	Creating and arranging shapes on a drawing canvas
	Adding connectors and lines to create flowcharts or diagrams
	Applying formatting and styles to enhance the visual appearance
	Exploring Advanced Diagrams:
	Creating complex diagrams with advanced shapes and connectors
Week15	 Using templates and stencils for specific diagram types
	Incorporating advanced features like layers and callouts
	2. Diagramming and Data:
	 Importing and linking external data to create data-driven diagrams

- Customizing data visuals and applying data graphics
- Creating organizational charts or network diagrams with data connectivity
- 3. Advanced Custom Shape Design:
 - Creating and modifying custom shapes using shape creation tools
 - Enhancing existing shapes to meet specific requirements
 - Utilizing shape behaviours and metadata for enhanced functionality

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	CompTIA A+ Certification: A Comprehensive Approach for all 2009 Exam Objectives	
Recommended		
Texts		
Websites	https://www.microsoft.com	

Grading Scheme

مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
	A - Excellent	امتياز	90 - 100	Outstanding Performance
Success Group	B - Very Good	جید جدا	80 - 89	Above average with some errors
(50 - 100)	C - Good	جيد	70 - 79	Sound work with notable errors
(55 =55)	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group	FX – Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
(0 – 49)	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.