

MODULE DESCRIPTION FORM

Module Information					
Module Title	Computer Science I		Module Delivery		
Module Type	Support		Method	h/week	Frequency
Module Code	UOK105		Theory	1	15
ECTS Credits	3 ECTS		Lecture	-	-
SWL (hr/sem)	75		Lab	2	15
			Tutorial	-	-
			Practical	-	-
Seminar	-	-			
Module Level	UG I	Semester of Delivery	2nd Semester		
Administering Branch	Fundamentals of Nursing	College	NUR		
Module Leader	Diyaa Mohammad Ali	e-mail	dheyhh12@gmail.com		
Module Leader's Acad. Title	Assistant Lecturer	Module Leader's Qualification	Msc.		
Module Tutor	Diyaa Mohammad Ali	e-mail	dheyhh12@gmail.com		
Peer Reviewer Name	Mustafa Abbas Al-Daami	e-mail			
Scientific Committee Approval Date	January 7, 2026	Version Number	1.0		

Relation with other Modules			
Prerequisite module	None	Semester	None
Co-requisites module	None	Semester	None

Module Aims, Learning Outcomes and Indicative Contents	
Module Objectives	- Utilize the computer for fundamental tasks. - Identify and discuss the hardware and components of computer systems. - Creating documents using a word processor, spread sheeting and creating presentation

	4. Conducting research on the Internet. 5. An introduction to Artificial Intelligent (AI). 6. Enhancing students' overall skills. This includes fostering critical thinking and practical IT abilities. 7. Providing a stimulating environment for research. This will encourage students to leverage computers and IT tools for their nursing research endeavors.
Module Learning Outcomes	1. Define a computer and list three common types (e.g., desktop, laptop, smartphone) and their primary uses. 2. Compare HDD and SSD storage by listing one advantage and one disadvantage for each and categorize a list of 8 common peripherals. 3. State the two primary functions of an Operating System (managing hardware and providing a user interface). 4. Produce a one-page letter that includes specific formatting requirements: two different font styles, bold and italicized text, justified alignment, and 1.5 line spacing. 5. Create a simple spreadsheet to enter some of rows of data accurately and Apply the SUM, AVERAGE, and MIN/MAX functions 6. Design and create effective presentation slides and understand the principles of good visual design for presentations. 7. Define the Internet, World Wide Web (WWW), and basic network concepts (e.g., ISP, IP address) and use a web browser efficiently. 8. Explain the concept of cloud computing and identify common cloud services (e.g., cloud storage, email).
Indicative Contents	Introduction to Computer I [SSWL= 3 hrs] Concept H.W and S.W Concept of Computing Data and Information Introduction to Computer II [SSWL= 3 hrs] Component of H.W & S.W Connecting Input /Output devices Peripherals to CPU Computer components I [SSWL= 3 hrs] Computer portions Hardware Parts I/O unit Memory Types Computer components II [SSWL= 3 hrs] Basic CPU Components Computer Ports Personal Computer (Features and Types) Operating System and GUI -I [SSWL= 3 hrs] Operating System Basics of Common Operating Systems The User Interface, Using Mouse Techniques Operating System and GUI -II [SSWL= 3 hrs] Use of Common Icons, Status Bar, and using Menu and Menu-selection, Concept of Folders and Directories. Opening and closing of different Windows and creating Short cuts. Word processing, I [SSWL= 3 hrs] Word Processing Basics. Basic Features of Word Processors. Opening and closing of documents.

	Text creation and Manipulation. Formatting Text and Paragraphs. Using Templates for Document Creation. Word processing II [SSWL= 3 hrs] Creating and Managing Tables Utilizing Styles and Themes Spell Check and Grammar Tools Using Headers and Footers. Spread Sheeting I [SSWL= 3 hrs] Introduction to Spreadsheet Software Creating and Formatting Worksheets Sorting and Filtering Data Using Formulas and Functions. Spread Sheeting II [SSWL= 3 hrs] Using Formulas and Functions Using Pivot Tables for Data Analysis Data Validation and Error Checking Data Visualization: Creating Charts and Graphs. Presentation Software I [SSWL= 3 hrs] Introduction to Presentation Software Overview of Popular Presentation Tools Creating a New Presentation Using Templates and Themes Inserting and Formatting Text and Images Transition and Animation Effects. Introduction to Internet and Web Browsers I [SSWL= 3 hrs] Computer networks Basic LAN, WAN Concept of Internet and its Applications Connecting to internet. Introduction to Internet and Web Browsers II [SSWL= 3 hrs] World Wide Web Web Browsing software's Search Engines Understanding URL Domain name IP Address Introduction to Cloud Computing and Services [SSWL= 3 hrs] Definition of Cloud Computing and its concept Cloud-Based Office Suites (Office 365 and Google Workspace) Google Docs, Google Sheets, Google Drive and Google Meet Total hrs = $\sum \text{SSWL} + (\text{Mid Exam hrs} + \text{Final Exam hrs}) = 45+3=48$
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Learning and Teaching Strategies	
Strategies	Problem Based Learning Learning by Doing Project Based Learning

Student Workload (SWL)

Structured SWL (h/sem) الحمل الدراسي المنتظم للطلاب خلال الفصل	48	Structured SWL (h/w) الحمل الدراسي المنتظم للطلاب أسبوعيا	3.20
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطلاب خلال الفصل	27	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطلاب أسبوعيا	1.80
Total SWL (h/sem) الحمل الدراسي الكلي للطلاب خلال الفصل	75		

Module Evaluation

		Time Number	Weight (Marks)	Week Due															Relevant Learning Outcome									
				W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	W15	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
Formative	Quizzes	2	5%				X						X						X		X				X			
	Report	1	5%								X									X						X		
	Lab Report	1	5%					X												X		X	X					
	Project	1	5%									X												X				
	Online Assig.	1	5%												X						X				X			
	Onsite Assig.	1	10%														X					X			X			
	Seminar	-	-																									
Summative	Mid. Exam	1H	10% (10)							X									X		X				X			
	Final Exam	2H	50% (50)	Week 15															X	X	X	X	X	X	X	X		
Total assessment			100%																									

Delivery Plan (Weekly Syllabus)

	Material Covered
Week 1	Introduction to Computer I
Week 2	Introduction to Computer II
Week 3	Computer components I
Week 4	Computer components II

Week 5	Operating System and GUI -I
Week 6	Operating System and GUI -II
Week 7	Word processing, I
Week 8	Word processing II
Week 9	Spread Sheeting I
Week 10	Spread Sheeting II
Week 11	Presentation Software I
Week 12	Presentation Software II
Week 13	Introduction to Internet and Web Browsers I
Week 14	Introduction to Internet and Web Browsers II
Week 15	Introduction to Cloud Computing and Services

Delivery Plan (Weekly Lab. Syllabus)

	Material Covered
Week 1	Introduction to Computer
Week 2	Introduction to Computer II
Week 3	Computer components I
Week 4	Computer components II
Week 5	Operating System and GUI -I
Week 6	Operating System and GUI -II
Week 7	Word processing, I
Week 8	Word processing II
Week 9	Spread Sheeting I
Week 10	Spread Sheeting II
Week 11	Presentation Software I
Week 12	Presentation Software II
Week 13	Introduction to Internet and Web Browsers I
Week 14	Introduction to Internet and Web Browsers II
Week 15	Introduction to Cloud Computing and Services

Learning and Teaching Resources

	Text	Available in the Library?
Required Texts	Brown, G., & Watson, D. "IGCSE information and communication technology". Hodder Murray.2010	No
Recommended Texts	Alan Evans • Kendall Martin • Mary Anne Poatsy," Technology In Action, Complete", 16th Edition,2020.	No
Websites	https://www.routledge.com/Introduction-to-Artificial-Intelligence-AI/Banafa/p/book/9788770041867 . https://ptgmedia.pearsoncmg.com/images/9781509305872/samplepages/9781509305872_Sample.pdf https://ketabpedia.com/%D8%AA%D8%AD%D9%85%D9%8A%D9%84/%D9%85%D8%AF%D8%AE%D9%84-%D8%A5%D9%84%D9%89-%D8%B9%D8%A7%D9%84%D9%85-%D8%A7%D9%84%D8%B0%D9%83%D8%A7%D8%A1-%D8%A7%D9%84%D8%A7%D8%B5%D8%B7%D9%86%D8%A7%D8%B9%D9%8A-2/	

Grading Scheme

مخطط الدرجات

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


 م.م. ضياء محمد علي



 د. حسين كاظم حسين
 رئيس فرع اساسيات التمريض