Module Information

معلومات المادة الدراسية

Module Title	**Computer Science II**	**Module Delivery**	
Module Type	S	☒ Theory	
Module Code	UOA008	☐ Lecture	
ECTS Credits	3	☒ Lab	
SWL (hr/sem)	**100**	☐ Tutorial ☐ Practical ☐ Seminar	

Module Level	UGII	**Semester of Delivery**	4
Administering Department	MEC	**College**	ENG
Module Leader	Dr. Ahmed Hilal Farhan	**e-mail**	ahmed.farhan_ce@uoanbar.edu.iq
Module Leader's Acad. Title	Assist. Professor Dr.	**Module Leader's Qualification**	Ph.D.
Module Tutor	Mr. Harith M. Abdulghafour	**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**	

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	This course presents an overview of fundamental computer science topics. The main focus of this chapter is about mastering Microsoft Excel software. This includes managing the use of different menus, ribbons and commands. In addition, learning how to formulate different equations and producing high quality graphs will also be covered.
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	1. Analyze, design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs. 2. Identify problems and formulate solutions for systems. 3. Communicate effectively with a range of audience. 4. Work effectively as part of a team to develop and deliver quality software artifacts. 5. Design solutions using approaches that integrate ethical, social, legal, and economic responsibilities.
Indicative Contents المحتويات الإرشادية	- Introduction of Microsoft Excel - Workbooks, Worksheets and Cell in Microsoft Excel - Formulas in Microsoft Excel - Fundamentals of Networks and Internet

Learning and Teaching Strategies
استراتيجيات التعلم والتعليم

Strategies	The most important strategies that will be adopted in delivering this module are: - Allow students to actively participate in the learning process with class discussions and exercises that support the initiative. - Knowledge application and Extended critical thinking - Do Summative Assessments Occurs at end of chapter - Do Formative Assessment occurs through chapter to Covers complete content areas - Case-Based Learning. - Experiential learning activities in lab.

Student Workload (SWL)
الحمل الدراسي للطالب

Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	48	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	3.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	27	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	1.8

الحمل الدراسي غير المنتظم للطالب خلال الفصل		
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	75	

Module Evaluation
تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	5	**25% (25)**	2,4,6, 8,10	LO #1,2,3,4 and 5
	Online Assignments (HW)	2	**4% (4)**	3,5	LO # 3 and 5
	Onsite Assignments	2	**5% (5)**	7,11	LO #1,2,3,4 and 5
	Report				
	Lab	3	**6% (6)**	6,8,13	LO #2,3,4
Summative assessment	Midterm Exam	2 hr	**10% (10)**	9	LO # 1-3
	Final Exam	3 hr	**50% (50)**	16	LO #1,2,3,4 and 5
Total assessment			**100% (100 Marks)**		

Delivery Plan (Weekly Syllabus)
المنهاج الاسبوعي النظري

	Material Covered
Week 1	Introduction of Microsoft Excel
Week 2	Workbooks and Worksheets
Week 3	Cell in Microsoft Excel
Week 4	File and Home Tab
Week 5	Insert Tab
Week 6	Layout Tab
Week 7	**Mid – term Exam**
Week 8	Formulas Tab
Week 9	Formulas Tab
Week 10	Data Tab
Week 11	Review and View Tab
Week 12	Fundamentals of Networks and Internet
Week 13	Browsing and Searching the Internet

	Material Covered
Week 14	E-mail and E-Chatting
Week 15	The Ethics of Internet World
Week 16	**Final Exam**

Delivery Plan (Weekly Lab. Syllabus)
المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Introduction of Microsoft Excel
Week 2	Lab 2: File and Home Tab
Week 3	Lab 3: Insert and Layout Tab
Week 4	Lab 4: Formulas in Microsoft Excel
Week 5	Lab 5: Data Tab
Week 6	Lab 6: Browsing and Searching the Internet
Week 7	Lab 7: E-mail and E-Chatting

Learning and Teaching Resources
مصادر التعلم والتدريس

	Text	Available in the Library?
Required Texts	أساسيات الحاسوب وتطبيقاته المكتبية (الجزء الثاني) أ.م.د. زياد محمد عبود ، أ.د.غسان حميد عبد المجيد ، أ.م.د. أمير حسين مراد ، م. بلال كمال أحمد	Yes
Recommended Texts		
Websites		

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: MarksDecimal 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.

Module Approval المصادقة على وصف المادة الدراسية			
	Name	**Date**	**Signature**
Module Leader Approval		**8/6/2023**	
Peer Reviewer Approval		**8/6/2023**	
Scientific Committee <u>Member</u> Approval		**8/6/2023**	
		8/6/2023	
		8/6/2023	
		8/6/2023	
		8/6/2023	
Scientific Committee <u>Head</u> Approval		**8/6/2023**	