

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information				
معلومات المادة الدراسية				
Module Title	Computer		Module Delivery	
Module Type	Core		☒ Theory ☒ Lecture ☒ Lab ☐ Tutorial ☒ Practical ☐ Seminar	
Module Code	URCOM			
ECTS Credits	4			
SWL (hr/sem)	80			
Module Level	1	Semester of Delivery		1
Administering Department	Biomedical Engineering		College	College of Engineering
Module Leader	Hisham Hadi Nghamish		e-mail	Hisham.Hadi@alayen.edu.iq
Module Leader's Acad. Title	Assistant lecture		Module Leader's Qualification	MSc
Module Tutor	Hisham Hadi Nghamish		e-mail	Hisham.Hadi@alayen.edu.iq
Peer Reviewer Name			e-mail	
Scientific Committee Approval Date			Version Number	1.0

Module Aims, Learning Outcomes and Indicative Contents

Module Objectives	Essential skills in computer applications, engineering and academic computerskills. Word processing, spreadsheets, and presentation tools for professional reporting and documentation - internet and email applications effectively - database basics and data management concepts - self-learning skills through the use of digital tools.
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Learning and Teaching Strategies

Strategies

- Presentation and demonstration.
- Interactive learning.
- Discussions and Q&A.
- solving exercises.
- Group projects and assignments.
- Self-learning tasks.

Student Workload (SWL) for 15 weeks

Structured SWL (h/sem)	63	Structured SWL (h/w)	4.2
Unstructured SWL (h/sem)	17	Unstructured SWL (h/w)	1.13
Total SWL (h/sem)	80		

Delivery Plan (Weekly Syllabus)

المنهاج الاسبوعي النظري

	Material Covered	LOs
Week 1	Introduction to Computers: hardware, software, operating systems basics	
Week 2	Windows & Linux basics: file management, system settings	A1, B1
Week 3	Word Processing (MS Word): creating and formatting documents	A1, B2
Week 4	Word Processing: tables, figures, equations, references	A3, B2
Week 5	Word Processing: academic and professional reports	A3, B2
Week 6	Spreadsheets (MS Excel): data entry and formatting	A1, B1
Week 7	Spreadsheets: formulas, functions, and calculations	A3, B1
Week 8	Spreadsheets: charts, graphs, and data visualization	A3, B2
Week 9	Mid-term Exam (Word + Excel)	A1, A3
Week 10	Presentations (MS PowerPoint): creating slides, design principles	A1, B2

Week 12	Introduction to Programming Logic: understanding flowcharts, pseudocode, and simple algorithms.	A3, B1
Week 13	Cybersecurity Awareness: safe browsing, password protection, identifying phishing and malware threats.	A3, B2
Week 14	Practical Project: creating an integrated report with MS Word, Excel, and PowerPoint presentation.	A3, B2
Week 15	Review & Final Practical Exam.	A1,A3, B1, B2,C1

Module Evaluation

تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5 and 10	A1,A3
	Assignments	2	10% (10)	2, 4,6,8,10 and 12	A1,A3
	Projects / Lab.	1	10% (10)	14	A1
	Report	1	10% (10)	13	A1,A3
Summative assessment	Midterm Exam	1hr	10% (10)	7	A3
	Final Exam	3hr	50% (50)	15	A1,A3
Total assessment			100% (100 Marks)		

