		Unit Description Form Course Description Form Faculty of Engineering / Department of			m	
		Unit Infor				
Unit Title	Con	Course Information				Unit delivery
Unit Type		U			نظريه 🛛	
Unit Code					حاضر 🛛	
ECTS Credits					المختبر 🛛 تعليمي 🗌	
/ ساعة) SWL (SEM					عملي 🗆 Seminar 🗌	
Unit level		1		Deli	ivery Semester	2
Administrativ	Administrative Management		College			BME - 111
Unit Commander	Ali abd albussain		E-mail Address	Ali.abdalhussain@uowa.edu.iq		ain@uowa.edu.iq
Title of Unit Commander		Assistant Lecturer	Unit Con	nmande	Qualifications	Master
Unit Teacher	Unit Teacher		E-mail Address			
Peer R	Peer Reviewer Name		E-mail Address			E-mail Address
Date of accreditation of the Scientific Committee		56/0/505/	Version n	umber		1.0

Relationship with other units Relationship with other subjects					
Prerequisites Unit	No	Semester			
Common Requirements Unit	No	Semester			

Unit objectives, learning outcomes and how-to contents						
	Course objectives, learning outcomes and instructional contents					
<b>Objectives of the Unit</b> Course Objectives	<ol> <li>Teaching the basics of programming: Understand basic concepts such as variables, conditional statements, and loops.</li> <li>Proficiency in programming languages: Enable students to write programs using languages such as C and C++.</li> <li>Algorithm Design: Develop the ability to design effective algorithms to solve software problems.</li> <li>Understanding data structures: Learn how to use different data structures such as arrays and lists.</li> <li>Application of object-oriented programming (OOP): Teaching object-oriented programming principles such as objects and classes.</li> <li>Teaching debugging techniques: improving debugging and code analysis skills.</li> <li>Apply advanced programming concepts: Enable students to use advanced programming libraries and frameworks.</li> </ol>					
Unit Learning Outcomes Learning outcomes of the course	Understand programming principles: Gain knowledge of programming basics such as variables, conditional statements, and loops. Proficiency in programming languages: Ability to write programs using languages such as C and C++. Algorithm Design: Develop skills to design and implement effective problem- solving algorithms. Use data structures: Effectively apply data structures such as arrays, lists, and trees. Object-oriented programming (OOP): Understand and apply object-oriented programming principles such as objects and classes. Error analysis and correction: Develop debugging skills and improve code. Apply advanced concepts: the use of software libraries and frameworks, and the programming of multi-threaded applications.					
Indicative Contents Indicative Contents	<ol> <li>Basic programming concepts: Learn the basics of programming such as variables, graphic types, and conditional structures.</li> <li>C/C++ Programming: Learn C or C++ as an application development tool.</li> <li>Algorithms: The study of how algorithms are designed and implemented to solve software problems.</li> <li>Data structures: Learn how to use structures such as threaded lists, arrays, trees.</li> <li>Object-oriented programming (OOP): Learn the principles of object-oriented programming such as objects and classes.</li> <li>Debugging: Techniques for finding and correcting errors in code.</li> <li>Advanced concepts: Learn programming using libraries and frameworks, and programming multi-threaded applications.</li> </ol>					

Learning and	Teaching	Strategies
Learning and	Teaching	Strategies

Strategies	exercise mathen 2. Collabo exchang 3. Project- mathen designs 4. Ongoing student 5. Interpre and way	Learning: Encourage students to actively participate by solving ses and problems themselves, enhancing their understanding of matical concepts. orative learning: teamwork to solve mathematical problems, helping to age ideas and develop analytical skills. t-based learning: Using applied mathematical projects that link matics to everyday life, such as studying statistics or engineering s. ang Assessment: Conduct regular quizzes and exercises to track tts' progress and identify points that need to be strengthened. retation and Discussion: Encourage students to explain their solutions ays of thinking to stimulate deep understanding and improve unication skills.				
The			<b>load (SWL)</b> is calculated for 15 weeks			
Regular academic load	of the student منظم of the student ng the semester	35	<b>SWL regulator(h/s)</b> Regular student load per week	5		
Irregular academic load	فير مة ( <b>h / sem)</b> of the student ag the semester	35	Unregulated SWL (h/s) Irregular student academic load per week	5		
<b>SWL (h / sem)</b> إجمالى The student's total academic load during the semester				75		

Unit Evaluation Course Evaluation						
	As	Time/Number	Weight (tags)	Week due	Related learning outcomes	
	Contests	2	10% (10)	5, 10	LO #1 , 2, 10 and 11	
Formative	Assignments	2	10% (10)	2, 12	LO #3 , 4, 6 and 7	
Assessment	Projects /Laboratory.	1	10% (10)	continuous	every	
	report	1	10% (10)	13	LO #5 , 8 and 10	
Final	Midterm Exam	2 hr	10% (10)	7	LO #1-7	
Assessment	Final Exam	2 hours	50% (50)	16	every	
	Overall Rating 1					

Grading chart						
Grading chart						
group	degree	Appreciation	Tags (%)	definition		
	A - Excellent	privilege	90 - 100	Outstanding Performance		
An-Najah	<b>B</b> - Very Good	Very good	80 - 89	Above average with some errors		
Group (50 - 100)	<b>C</b> - Good	Good	70 - 79	Proper work with noticeable errors		
	<b>D</b> - Satisfactory	medium	60 - 69	Fair but with significant shortcomings		
	E - sufficient	Acceptable	50 - 59	The work meets the minimum standards		
Group failure	<b>FX -</b> Failed	Deposit (in (processing	(45-49)	More work required but credit granted		
(0 – 49)	<b>F -</b> Failed	Failure	(0-44)	Large amount of work required		

Note: Signs that are more than 0.5 decimal places greater than or below the full mark will be rounded higher or lower (for example, a score of 54.5 will be rounded to 55, while a mark of 54.4 will be rounded to 54. The university has a policy of not tolerating "imminent traffic failure", so the only modification to the marks granted by the original mark(s) will be the automatic rounding described above.