MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدر اسية							
Module Title	Object of	riented program	ming I	Modu	le Delivery		
Module Type		Core	Theory				
Module Code							
ECTS Credits		8			☐ Tutorial ☐ Practical ☐ Seminar		
SWL (hr/sem)							
Module Level		2 Semester of Delivery		1	1		
Administering Dep	partment	cs	College	It			
Module Leader	Name		e-mail	E-mail	E-mail		
Module Leader's A	Acad. Title		Module Lea	der's Qualification			
Module Tutor Name (if available)		e-mail	E-mail				
Peer Reviewer Name		Name	e-mail	E-mail			
Scientific Committee Approval Date		01/06/2023	Version Nur	nber 1.0			

Relation with other Modules							
ACIACION WICH OTHER MICHAES							
	العلاقة مع المواد الدراسية الأخرى						
			Ī				
Prerequisite module	None	Semester					
Co-requisites module	None	Semester					

Module Aims, Learning Outcomes and Indicative Contents							
	أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية						
THIS COURSE WILL PROVIDE A BASIC UNDERSTANDING OF THE METHODS A TECHNIQUES OF DEVELOPING A SIMPLE TO MODERATELY COMPLEX WEB S USING THE CURRENT STANDARD WEB PAGE LANGUAGE, STUDENTS WILL INSTRUCTED ON CREATING AND MAINTAINING A SIMPLE WEB SITE. AFT ER FOUNDATION LANGUAGE HAS BEEN ESTABLISHED, THE AID OF AN WEB EDIT WILL BE INTRODUCED. THIS COURSE WILL PROVIDE A RIGOROUS TREATMENT OBJECT - ORIENTED CONCEPTS (DESIGN AND IMPLEMENTATION OF OBJECTS, CL CONSTRUCTION AND DESTRUCTION, ENCAPSULATION, INHERITANCE, A POLYMORPHISM) USING JAVA AS AN EXAMPLE LANGUAGE.							
Module Learning Outcomes	DEVELOPMENT OF SOUND PROGRAMMING AND DESIGN SKILLS, PROBLEM SOLVING AND MODELING OF REAL-WORLD PROBLEMS FROM SCIENC E, ENGINEERING, AND ECONOMICS USING THE OBJECT-ORIENTED PARADIGM.						
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1 Programming style 2 Basic statements with looping and repetitions 3 One dimensional Arrays 4 Two dimensional Arrays 5 Classes and methods 6 Constructors, Variable types, Overloading 7 UML diagrams 8 Programming by contract: preconditions, postconditions and invariants 9 Designing interfaces 10 Polymorphism 11 Encapsulation 12 Inheritance						

Learning and Teaching Strategies استراتیجیات التعلم والتعلیم						
Strategies	Type something like: The main strategy that will be adopted in delivering this module is to encourage students' participation in the exercises, while at the same time refining and expanding their critical thinking skills. This will be achieved through classes,					

interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.

Student Workload (SWL) الحمل الدراسي للطالب						
Structured SWL (h/sem) Structured SWL (h/w) 7 الحمل الدراسي المنتظم للطالب أسبوعيا الحمل الدراسي المنتظم للطالب أسبوعيا 7						
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعيا	6.5			
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل						

Module Evaluation								
تقييم المادة الدراسية								
	Time/Nu Weight (Marks) Week Due Relevant Learning							
		mber	vveigitt (ivial ks)	Week Due	Outcome			
	Quizzes	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 / Lab.	1	10% (10)	Continuous				
	Report	1	10% (10)	13	LO # 5, 8 and 10			
Summative	Midterm Exam	2 hr	10% (10)	7	LO # 1-7			
assessment Final Exam 2hr 50% (50) 16 All								
Total assessme	ent		100% (100 Marks)					

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information معلومات المادة الدر اسية							
Module Title	Object or	iented programı	ning II	Modu	le Delivery		
Module Type		Core	Theory				
Module Code				⊠ Lecture ⊠ Lab			
ECTS Credits		8			☐ Tutorial ☐ Practical		
SWL (hr/sem)				☐ Seminar			
Module Level		2	Semester o	ester of Delivery		1	
Administering Dep	partment	Cs	College	It			
Module Leader	Name		e-mail	E-mail			
Module Leader's A	Acad. Title		Module Lea	der's Qualification			
Module Tutor	Module Tutor Name (if available)		e-mail	E-mail			
Peer Reviewer Name		Name	e-mail	E-mail			
Scientific Committee Approval Date		01/06/2023	Version Nu	nber 1.0			

Relation with other Modules							
العلاقة مع المواد الدراسية الأخرى							
Prerequisite module	None	Semester					
Co-requisites module	None	Semester					

Module Aims, Learning Outcomes and Indicative Contents								
	أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية							
Module Aims أهداف المادة الدر اسية	THIS COURSE WILL PROVIDE A BASIC UNDERSTANDING OF THE METHODS AND TECHNIQUES OF DEVELOPING A SIMPLE TO MODERATELY COMPLEX WEB SITE. USING THE CURRENT STANDARD WEB PAGE LANGUAGE, STUDENTS WILL BE INSTRUCTED ON CREATING AND MAINTAINING A SIMPLE WEB SITE. AFT ER THE FOUNDATION LANGUAGE HAS BEEN ESTABLISHED, THE AID OF AN WEB EDITOR WILL BE INTRODUCED. THIS COURSE WILL PROVIDE A RIGOROUS TREATMENT OF OBJECT - ORIENTED CONCEPTS (DESIGN AND IMPLEMENTATION OF OBJECTS, CLASS CONSTRUCTION AND DESTRUCTION, ENCAPSULATION, INHERITANCE, AND POLYMORPHISM) USING JAVA AS AN EXAMPLE LANGUAGE.							
Module Learning Outcomes مخرجات التعلم للمادة الدراسية	Introducing advanced entity programming. > How to use objects within programming as a modern concept and develop students' ability to programmatically > Enhancing the student's ability to think in abstract terms when solving computer science problems and diversity in solution problems in different ways and how to relate them to reality > Addressing advanced new concepts in programming such as multithreading, graphical user interface, and others.							
Indicative Contents المحتويات الإرشادية	Indicative content includes the following. 1-Wrapper classes 2-Inner classes 3-Multithreading 4-Generics 5-GUI design 6-Data base access 7-Distribution							

Learning and Teaching Strategies استراتیجیات التعلم والتعلیم						
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Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل						

Module Evaluation								
تقييم المادة الدراسية								
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assessment	Projects / Lab.	1	10% (10)	Continuous				
	Report	1	10% (10)	13	LO # 5, 8 and 10			
Summative	Midterm Exam	2 hr	10% (10)	7	LO # 1-7			
assessment	Final Exam	2hr	50% (50)	16	All			
Total assessme	ent		100% (100 Marks)					