

MODULE DESCRIPTION FORM

نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Object oriented programming II		Module Delivery
Module Type	Core		Theory ☒ Lecture ☒ Lab ☐ Tutorial ☐ Practical ☐ Seminar
Module Code			
ECTS Credits	8		
SWL (hr/sem)			
Module Level	2	Semester of Delivery	
Administering Department	Cs	College	It
Module Leader	Name	e-mail	E-mail
Module Leader's Acad. Title		Module Leader'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 Number	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 الدراسية	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. AFTER 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. <u>1-Wrapper classes</u> <u>2-Inner classes</u> <u>3-Multithreading</u> <u>4-Generics</u> <u>5-GUI design</u> <u>6-Data base access</u> <u>7-Distribution</u>

Learning and Teaching Strategies

استراتيجيات التعلم والتعليم

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,
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	interactive tutorials and by considering type of simple experiments involving some sampling activities that are interesting to the students.
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Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	102	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	7
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	98	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	6.5
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	200		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	2 hr	10% (10)	7	LO # 1-7
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Week 1	Wrapper classes
Week 2	Wrapper classes

Week 3	Inner classes
Week 4	Inner classes
Week 5	Multithreading
Week 6	Multithreading
Week 7	Multithreading
Week 8	Generics
Week 9	Generics
Week 10	GUI design
Week 11	GUI design
Week 12	GUI design
Week 13	Data base access
Week 14	Data base access
Week 15	Distribution
Week 16	Distribution

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Wrapper classes
Week 2	Lab 2: Inner classes
Week 3	Lab 3: -Multithreading
Week 4	Lab 4: Generics
Week 5	Lab 5: GUI design
Week 6	Lab 6: Data base access
Week 7	Lab 7: Distribution

Learning and Teaching Resources

مصادر التعلم والتدريس

	Text	Available in the Library?

Required Texts	C. Thomas Wu (2010). An Introduction to Object-Oriented Programming with Java. Fifth Edition. McGraw-Hill.	Yes
Recommended Texts	2] Herbert Schildt (2007). Java: The Complete Reference. Seventh Edition. McGraw-Hill.	No
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: 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.				