

Material Syllabus

مفردات المادة

Module Information		
معلومات المادة الدراسية		
Module Title	Object oriented programming I	Module Delivery

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Programming style
Week 2	Basic statements with looping and repetitions
Week 3	One dimensional Arrays
Week 4	Two dimensional Arrays
Week 5	Classes and methods
Week 6	Classes and methods
Week 7	Constructors, Variable types,
Week 8	, Overloading
Week 9	UML diagrams
Week 10	Programming by contract: preconditions,
Week 11	postconditions and invariants
Week 12	Designing interfaces
Week 13	Polymorphism
Week 14	Encapsulation
Week 15	Inheritance
Week 16	Preparatory week before the final Exam

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الاسبوعي للمختبر

	Material Covered
Week 1	Lab 1: Programming style, Basic statements with looping and repetitions
Week 2	Lab 2: One dimensional Arrays
Week 3	Lab 3: two dimensional Arrays
Week 4	Lab 4: Classes and methods
Week 5	Lab 5: Constructors, Variable types,, Overloading
Week 6	Lab 6: Programming by contract: preconditions, postconditions and invariants
Week 7	Lab 7: Polymorphism, Encapsulation, Inheritance

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 (فيد 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.

Material Syllabus

مفردات المادة

Module Information		
معلومات المادة الدراسية		
Module Title	Object oriented programming II	Module Delivery

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي 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

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