

Student Workload (SWL) الحمل الدراسي للطالب			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	47	Structured SWL (h/w) الحمل الدراسي المنتظم للطالب أسبوعياً	3.1
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	78	Unstructured SWL (h/w) الحمل الدراسي غير المنتظم للطالب أسبوعياً	5.2
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Module Evaluation تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	3	10% (10)	3, 8, 13	LO # 1, 2, 3, and 5
	Assignments	3	10% (10)	6, 10, 15	All
	Projects	1	5% (5)	15	
Summative assessment	Exam	2hr	25% (25)	11	All
	Final Exam	2hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الأسبوعي النظري	
	Material Covered
Weeks 1	Pillars of Computational Thinking
Weeks 2-3	Basics Introduction: Information and data, data types, data encoding, Boolean algebra, simplification of Boolean expression.
Weeks 4-6	Problem Solving: Problem definition, Problem decomposition, Abstraction, Greedy Method, Divide and Conquer.
Week 7-8	Algorithm and Flowcharting, Name binding.
Week 9-10	Selection
Week 11	Exam I
Week 12-13	Repetition
Week 14-15	Data organization: Arrays, Modularization, Problem Solving: Factoring and Recursion Techniques.

Week 16	Preparatory week before the final Exam
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Delivery Plan (Weekly Lab. Syllabus)	
المنهاج الاسبوعي للمختبر	
	Material Covered

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	David Riley and Kenny Hunt , Computational thinking for modern solver, Chapman & Hall/CRC, 2014	No
Recommended Texts	R.G. Dromey , “How to solve it by Computer”, PHI, 2008	No
Websites	code.org	

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.