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 أسبوعيا	3.1
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	78	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	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 الاسبوعي 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

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.