

Template of Course Specification
Name of Course: Electrical Circuits I

Module Evaluation					
تقييم المادة الدراسية					
		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	3,5,7,9,11,13	LO #1, 2, 9 and 10
	Assignments	2	10% (10)	4,5,6,7,8,9,10,11,12,13	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	Continuous	LO # 5, 8 and 10
Summative assessment	Midterm Exam	3 hr	10% (10)	8,15	LO # 1 and 7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus)	
المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Introduction - Fundamentals of Electrical Circuits

Week 2	Elements of electrical circuits
Week 3	Ohm's law, Energy, and Power
Week 4	Review of Kirchhoff's & divider's Laws
Week 5	Series, Parallel Circuits
Week 6	Series-Parallel Circuits
Week 7	Source Transformation and Superposition Theorem
Week 8	1st mid exam
Week 9	Mesh Theorem
Week 10	Nodal Theorem
Week 11	Maximum Power Transfer Theorem
Week 12	Thevenin Theorem
Week 13	Norton Theorem
Week 14	Delta-Star Networks
Week 15	2nd mid exam
Week 16	Final exam

Delivery Plan (Weekly Lab. Syllabus)

هاج الاسبوعي للمختبر wmm

	Material Covered
Week 1	Lab 1: Introduction /Basic Laboratory Test and Measurement Equipment
Week 2	Lab 2: Ohm's Law

Week 3	Lab 3: Series DC Circuits
Week 4	Lab 4: Parallel DC Circuits
Week 5	Lab 5: Series-Parallel DC Circuits
Week 6	Lab 6: Superposition Theorem
Week 7	Lab 7: Thevenin's Theorem
Week 8	Lab 8: Nodal Analysis
Week 9	Lab 9: Δ -Y and Y- Δ Conversions
Week 10	Lab 10: Maximum Power Transfer

Grading Scheme مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جدا جيد	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.



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