

Flow up the implementation of course syllabus

Course Instructor	Hussein Ahmed Mahmood				
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Title	Electronics II				
Course Coordinator	3 hours weekly				
Course Objective	This course is introduce to the student the understand Electronic Circuits, analysis and design				
Course Description	The subject divided in to several chapters, as follow: Chapter One: Multistage system and frequency consideration Chapter Two: Feedback Amplifier Chapter Three: Op-Amp and Applications Chapter Four: Oscillators Chapter Five: Large-Signal Amplifiers				
Textbook	1- Robert L. Boylestad & Louis Nashelsky, 2013. Electronic Devices and Circuit Theory, 11th Edition. Pearson. 2- Donald A. Neamen, 2010. Microelectronics: Circuit analysis and design, Fourth Edition. McGraw-Hill Companles. 3- Adel S.Sedra & Kenneth C. Smith,2004. Microelectronics Circuit, Fifth Edition New York Oxford.				
Course Assessment	First Term		2 nd Term		Final Exam
	20 %		20 %		60 %
General Notes					

Course Weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	8/10/2015	General cascade system		
2	15/10/2015	RC-coupled amplifier		
3	22/10/2015	Direct coupled amplifier		
4	29/10/2015	Frequency Response		
5	5/10/2015	Feedback concepts,		
6	12/11/2015	Properties of negative feedback amplifier,		
7	19/11/2015	Connected types,		
8	26/11/2015	General analysis.		
9	3/12/2015	Multistage feedback amplifier		
10	10/12/2015	Basic differential amplifier		
11	17/12/2015	Op-amp characteristic		
12	24/12/2015	Equivalent circuit		
13	30/12/2015	Op-amp circuits		
14	7/1/2015	Frequency Response, Slow rate		
15	14/1/2016	Offset error, CMRR		
Half-Year Break				
1	25/2/2016	Positive feedback and oscillation		
2	3/3/2016	Stability of Oscillation		
3	10/3/2016	Sinusoidal oscillator		
4	17/3/2016	Phase-shift Oscillator		
5	24/3/2016	Wien Bridge Oscillator		
6	31/3/2016	LC-Oscillator		
7	7/4/2016	Crystal Oscillator		
8	14/4/2016	Amplifier classification		
9	21/4/2016	Class A, Class B		
10	28/4/2016	Class AB, Class C		
11	5/5/2016	Power field-effect Transistor		
12	12/5/2016	Integrated Circuit power amplifier		
13	19/5/2016	Push-pull		

Instructor Signature:

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