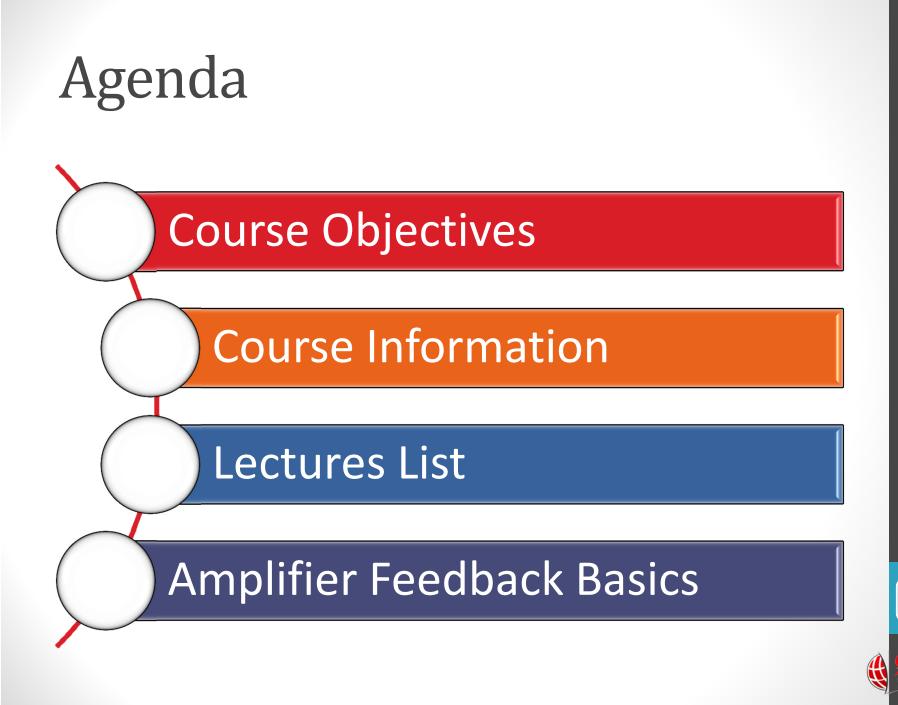


FACULTY OF ENGINEERING DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

GEE336 Electronic Circuit/ II Lecture #1 **Course Introduction and Amplifier Feedback Concepts Instructor: Dr. Ahmad El-Banna**

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Course Objectives

- By the end of this course, students should be able to:
 - Analyze a Feed-Back Amplifier
 - Design a Function Generator
 - Design Active Filters
 - Design ADC and DAC
 - Design a Regulated Power Supply
 - Implement Simple Projects Using Op-Amps, IC555, ...etc

Course Information

Instructor:	Dr. Ahmad El-Banna <u>http://bu.edu.eg/staff/ahmad.elbanna</u> Office: Room # Email: <u>ahmad.elbanna@feng.bu.edu.eg</u>
Lectures:	Sunday ~ Wednesday 11:00 -12:40 Prerequisite: GEE 331
Office Hours:	Sunday ~ Wednesday 12:50 -13:40
Т.А.:	Eng.
Texts/Notes:	 Lectures slides, available by each lecture, and found online at <u>http://bu.edu.eq/staff/ahmad.elbanna-courses/12135</u> xx T. Floyd, Electronic devices - Conventional Current Version, 9th edition, Prentice Hall. R. Boylestad, Electronic Devices and Circuit Theory, 11th edition, Prentice Hall.



Course Information..

Additional References:					
Assessment	Assessment 1	Fifth-week examination	week	5	1
schedule:	Assessment 2	Mid-term examination	week	9	
	Assessment 3	Project discussion	Week	14	
	Assessment 4	Final-term examination	week	15]
Grading:	Fifth-week exami		5 30	%	
	Mid-term examination			%	
	Final-term examination Quizzes			% %	
	Oral examination			%	
	Practical examination			%	
	Laboratory examination			%	
	Semester work			%	
	Design Project			%	
	Total			%	

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Lectures List

Week#1	 Introduction and Feedback Basics 	
Week#2:4	Op-AMP Linear Applications & Sawtooth Generators	
Week#5:6	Sinusoidal Oscillators	
Week#7:8	Active Filters	
Week#9	• Mid-Term Exam	
Week#10:11	• 555 Timer & Multivibrators	
Week#12:13	 VCO & Design of DAC and ADC 	
Week#14	 Project Discussion & Final Review 	

Elec. Cts II, Lec#1 , Summer 2015 $\, @\, Ahmad \, E \, l^- Banna$

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