



Lecture (00) About Practical App. EE I Course

By:

Dr. Ahmed ElShafee

Dr. Ahmed ElShafee, ACU : Fall 2017, Practical App. EE 01

General information

Course name, Code	Practical App. EE I I
Pre-requisite	-
Credit hours	2
Number of Projects	6
Number of weeks	15
Date, time, place	Mon A:11-13 B:13:15 Thu A:9-11 B11:13

Email	Ahmed.elshafee@acu.edu.eg
Presentations and materials	http://aelshafee.net/LectureNotes.php

Course description

Course covers the practical application in electrical engineering discipline.

Course objective

Provides the basic skills to understand and to design/implement/trouble shoot simple electronic circuits.

Learning Outcomes

After completing this course the students will :

1. Understand circuits prototyping using bread boards.
2. design simple electronic circuits using common active components like diode, transistors, regulator, IC like (555, 386)
3. Build electronic circuits schematic and simulation using computer aided design software
4. Implement schematic using prototype bread boards

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Course plane

- Understand circuits schematic/ layout diagrams
- Understand circuits implementation using bread boards (prototypes)
- Circuits simulation using CAD circuits simulation software
- Implement 6 projects


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Grading Scheme

item	Grade
Attendance	10
Participation	10
deliverables	60
Exam	40

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Thanks,..
See you next week (ISA),...

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