



Lecture (00)

About MicroControllers

Course

By:

Dr. Ahmed ElShafee

Dr. Ahmed ElShafee, ACU : Fall 2017, MicroControllers

General information

Course name, Code	MicroControllers
Pre-requisite	Microprocessors
Credit hours	3
Number of lectures	10
Laboratories	10
Tutorial	
Date, time, place	Today, now, here
Text book	Tim Wilmshurst, Designing Embedded Systems with PIC Microcontrollers Principles and applications, 1 st Edition Michael Margolis , Arduino Cookbook - 2nd Edition

Email

Ahmed.elshafee@acu.edu.eg

Presentations and materials

<http://aelshafee.net/LectureNotes.php>

Course description

The main objectives of this course are: learning and understanding basics of embedded systems, microcontrollers' architectures, programming microcontrollers, designing simple embedded systems, and linking various concepts of electronics and circuits within the embedded systems framework.

Course objective

By the end of this course, you should be familiar with the microcontrollers and embedded systems basic architectures, features, and programming.


Learning Outcomes

After completing this course the students will gain:

- 1. Ability to design and construct complete simple embedded system hardware.
- 2. Ability to program and interface embedded systems for industrial applications.

Grading Scheme

item	Grade
final	40
midterm + quizzes	20 + 10
Attendance and participation	10
Laboratories	10
deliverables	10



Thanks,..
Lets do this,..

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