

Faculty of Engineering & Technology

Microcontroller-based Systems

Information :

Course Code : EED321

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Electrical Power Engineering

Instructor Information :

Title	Name	Office hours
Associate Professor	Mohamed Hassan Mohamed Elmahlawy	1
Teaching Assistant	Shahd Ahmad Samir Ibrahim	

Description :

Introduction to Microcontrollers and Embedded Systems; Microcontroller: Architecture, Programming Model, Instruction Set, Exception Handling, Interrupt Controller, Efficient Embedded Programming, Memory structure and Systems. Bus Interfaces, Integrated Circuit Interfacing, support chips. Data Converters. Application-level embedded system design concepts.