

**Faculty of Engineering & Technology**

**Microprocessors and Applications**

**Information :**

**Course Code :** CMP 351

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Electrical Engineering

**Instructor Information :**

Title	Name	Office hours
Professor	Ahmed Fahmy Amin Mahros	8
Lecturer	Ezzeldin Farouk Abdelawe Ali	
Assistant Lecturer	Ahmed Essam Fahim Zahran	
Assistant Lecturer	Ahmed Mahmoud Ahmed Mehrez	
Teaching Assistant	Bassant Moukhtar Mustafa Mohamed Elsaha	

**Description :**

Introduction to microprocessors, Architecture, Microprocessor hardware, Assembly language fundamentals, Programming, Microprocessor system connections, Timing in microprocessors, Interrupts and interrupt service procedures, Microprocessor timing specifications, Interfacing, Programmable chips , Data acquisition systems, Applications of closed loop control, I/O hardware alternatives, Developments tools, Troubleshooting case studies