

## Faculty of Engineering & Technology

### Computer Programming

#### Information :

**Course Code :** EED160

**Level :** Undergraduate

**Course Hours :** 2.00- Hours

**Department :** Faculty of Engineering & Technology

#### Instructor Information :

Title	Name	Office hours
Lecturer	Mohamed Ahmed Hussein Ali	1
Teaching Assistant	Salma Mohamed Shalaby Abdelaziz	
Teaching Assistant	Hanan Hossam Eldeen Mohamed Abdelaziz	

#### Description :

Description of a hypothetical computer system, The CPU main memory, I/O subsystem and all related components. In-depth discussion of the architecture of the Intel 80x86 based microprocessors and of available assemblers, Linkers, library managers and debugging tool. Macro assembler programming techniques involving building, Incorporating and maintaining libraries, and using assembler pseudo-ops and directives. Debugging and testing techniques, Interfacing a high level language with an assembly language, Chip level programming of microprocessor type systems, Topics covered include I/O ports, I/O devices and controllers, DMA channels, priority.