

**Faculty of Engineering & Technology****Digital Systems****Information :****Course Code :** EED322**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Mechatronics Engineering**Instructor Information :**

Title	Name	Office hours
Professor	Medhat Hussein Ahmed Awadalla	2
Teaching Assistant	Nouran Wael Moustafa Fouad Elbalkimy	
Teaching Assistant	Sara Mohamed Abdelftah Ahmed	

**Description :**

Number systems; Codes and coding; Logic gates; Minimization techniques applied to design of logic systems; Combinational circuits; Latches, flip-flops, registers and counters; Synchronous sequential circuit design; State machines; Memory and I/O logic elements; Discussion of microprocessors; Analog/digital and digital/analog converters.