

**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 |              |

**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.