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**Faculty of Engineering & Technology**

**Advanced Control of Power**

**Information :**

**Course Code :** EPR 571

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Specialization of Electrical Power Engineering

**Description :**

Central operations: Operation of power systems, Organization and operator activities, Control center experience, Supervisory and control functions: Data acquisition, Monitoring and event processing, Control functions, Reports and calculations, Man-machine communications: Operators duties, Mimic diagram functions, System structures: Subsystems, System classes, System interactions, Performance and reliability considerations: Performance criteria, Software considerations, Hardware considerations, Databases, Technical realization: Central system, Communication system, Maintenance, Real time network modeling, Security, Training, Control system examples.