

Faculty of Engineering & Technology

Fluid Systems Control

Information :

Course Code : MEC431

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Mechatronics Engineering

Description :

Introduction to fluid systems (Hydraulic and pneumatic) - Energy and power in hydraulic and pneumatic systems- Hydraulic Pumps and motors (gear, vane, piston,) . Pump selection . Pump performance . Actuating Cylinders- Control valves (directional, pressure, flow, servo & proportional control valves)- Memory circuit . Delay circuit - Sequence diagram . Applied circuits in electro hydraulics & electro pneumatics for direct and indirect control.