

# Fluid Power Control

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Course Code:

ME 437

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Fluid Mechanics [1]

System Dynamics and Control [2]

Course Content:

Fundamentals of hydraulic and pneumatic power transmission systems. Hydraulic components; valves, pumps, motors, accumulators. Valve characteristics. Basic circuit design. Losses and system efficiency. Hydraulic servo control.