

# Robot Mechanics

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Course Code:

ME 459

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

System Dynamics and Control [1]

Course Language:

English

Course Content:

Fundamental aspects of robotics and types of robots. Rotation matrices. Homogeneous transformations. Direct kinematics. Inverse kinematics. Jacobean matrix. Manipulator dynamics. Trajectory planning. Computed torque control method.