

MECH 421. DYNAMICS AND CONTROL

Credits: 4

Offered by: Mechanical Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Modelling of physical linear and nonlinear systems relevant to mechanical engineering. Linearization. State-space and transfer function representations of systems. Transient, steady state, and frequency responses. Stability. Feedback control system analysis and design. Lead, lag, and PID compensators. Loopshaping. Robustness analysis.

- Prerequisites: MECH 315, MECH 301
- Restrictions: Not open to students who have taken or are taking MECH 412.

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