

CHEE 455. PROCESS CONTROL.

Credits: 3

Offered by: Chemical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Needs for process control; simple transient models and responses, first and higher-order systems, empirical determination of models, transfer functions and Laplace domain analysis, control loop hardware and associated realistic models; process and instrumentation diagrams; control philosophy; safety; open and closed loop responses; feedback control; stability analysis; controller tuning; feedforward, cascade and ratio control; control of batch and start-up processes.

- (3-1-5)
- Prerequisite: CHEE 291
- Corequisite(s): CHEE 423, CHEE 453

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