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Code	<b>ECE 576</b>
Name	<b>Nonlinear Control</b>
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate
Semester	Fall/Spring
Type	Elective
Prerequisites	none
Content	The purpose of this course is to provide the students with the fundamental tools of nonlinear system design, analysis, modeling, and control. The course content includes Review of Linear Control Systems, Introduction to Nonlinear Systems, Second and Higher Order Systems, Input-State and Input-Output stability, Nonlinear Forms, Stabilization with Feedback Control, Robust Stabilization with Feedback Control, Tracking with feedback control, Observers for State-Feedback Control, Integral Control, Passivity. The course provides self-learning and creative thinking abilities.

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