



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Intelligent Control

ECE 7858

Credit Hours:

3.00 - 3.00

Course Levels:

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

Fuzzy control, neural control, genetic algorithms, learning control, and distributed intelligent control.

Prerequisites and Co-requisites:

Prereq: 5551 (551) or equiv.

Course Goals / Objectives:

- Teach techniques and design methods for fuzzy control, neural control, genetic algorithms, learning control, distributed intelligent control
 - Apply these techniques and methods to practical optimization and control problems
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Course Topics:

- Fuzzy control
 - Neural networks and neural control
 - Planning and attentional systems
 - Learning control
 - Distributed intelligent control
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Designation:

Elective