



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Special Topics on Computational Modeling

ECE 8861

Credit Hours:

3.00 - 3.00

Course Levels:

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

Reviews the latest computational models and advanced methods for modeling processes of diverse sorts.

Prerequisites and Co-requisites:

Prereq: Grad standing in Engineering, Biological Sciences, or Math and Physical Sciences.

Course Goals / Objectives:

- Survey the area of computational modeling from the latest published research
 - Learn modeling methodology and advanced approaches
 - Apply the learned models and modeling techniques to problems of interest in engineering and science
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Course Topics:

- Computational modeling
 - Approaches to modeling
 - Advanced methods for computational modeling
 - Current computational models and applications
 - Final projects
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Designation:

Elective