



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Special Topics on Computational Modeling

## ECE 8861

**Credit Hours:**

3.00 - 3.00

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**Course Levels:**

Graduate (5000-8000 level)

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**Course Components:**

Lecture

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**Course Description:**

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

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**Prerequisites and Co-requisites:**

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

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**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