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

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

Designation:
Elective