



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Electricity Market Analytics

ISE 5225

Credit Hours:

3.00 - 3.00

Course Components:

Lecture

Course Description:

This course provides an analysis of decision-making tools for electricity markets, addressing the perspectives of the market operator, producers, retailers, and consumers.

Prerequisites and Co-requisites:

Prereq: 3200 or permission of instructor.

Course Goals / Objectives:

- Objective 1: To understand how electricity markets work. Objective 2: To learn how to build computational models to clear electricity markets.
- Objective 3: To learn how to build models to derive optimal offering strategies for producers. Objective 4: To learn how to build models to derive optimal procurement strategies for retailers and consumers.
- Objective 5: To learn how to build models to derive optimal investment strategies for producers.