EEEN2030: Electricity Dispatch and Pricing: An Interdisciplinary Exploration of Decision Making and Economics

Outline: This course aims to provide the students with an introduction to economic principles that pertain to electricity dispatch and pricing. We will start with the foundation of electric power networks and decision making theory.

The objective is to apply optimization and economics to particular issues of wholesale electricity markets, energy planning and demand management, government regulations and policies. The course also applies the learned concepts

and models to explore the recent developments of wholesale electricity markets in China.