



BUSINESS SCHOOL

Course Outline

2017

ECON 783: ENERGY ECONOMICS (15 POINTS)

Semester 2 (1175)

Course Prescription

This course discusses regulation and market design issues for energy and carbon markets. Natural resource economics and electricity markets are covered in depth. Peak oil issues are discussed as well as the economics of climate change.

Goals of the Course

The course aims to equip students with the knowledge to understand world energy markets, their limits and possibilities as well as the externalities associated with these markets.

Learning Outcomes

By the end of this course it is expected that the student will be able to:

1. understand the basic concepts of energy and natural resource economics;
2. understand the interaction between energy markets and the economics of climate change; and
3. apply these ideas to understand the policy issues involved in designing effective sustainable markets for energy production and use.

Content Outline

Week 1: Introduction
Weeks 1-3: Economics of Natural Resources
Weeks 4-6: Electricity Markets
Week 7: New Zealand Electricity Market
Week 8-11: Economics of Climate Change
Week 12: Oil Markets

Learning and Teaching

This course is taught in the second semester.

Teaching Staff

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Learning Resources

There is no prescribed textbook. Specific references will be given in lectures. The lecture notes will be made available on CANVAS.

Assessment

The final grade will be based on three Assignments worth 60% in total and a Final Exam worth 40%.

The Assignments are designed to give students practice and operational knowledge of the different models presented in the lectures. They aim to develop the students' problem-solving skills, and their ability to digest and analyse written material.

Learning Outcome	Assignments 1-3	Final Examination
1	X	X
2	X	X
3	X	X