

# Syllabus

## Energy Economics

Course Name	Course type (credit/hours)		전선(3/3)		Course code	
	Target students Division/major/grade		/		Opening semester	
	Class time and classroom		화1(전109) 화2(전109) 화3(전109)(전109)			
Reference to this course	Related basic courses					
	Recommended concurrent courses					
	Related advanced courses					
Instructor	Name (title/division)		김수덕 (교수/ 대 학원에너지시스템 학부)			
	Office Room Number		Office phone Number	2689	e-mail	suduk@ajou.ac.kr
	Office hours		Homepage address			
Teaching Assistant	Name (title/division)					
	Office Room Number		Office phone Number		e-mail	

### 1. Introduction

This course will be taught in English for both lecture, raising questions and answers. Energy Economics is to provide students with the ability to understand and solve the energy and environmental issues within the context of economics. Therefore, the class is beginning with the fundamental methods of economics and the views on positivism are considered. After that, the characteristics and related issues of energy as goods in economics are reviewed.

Since the students in the department of energy studies at graduate school are from various undergraduate majors, elementary economics are briefly reviewed at the beginning. At the same time, the homepage of the instructor will be referred frequently for the purpose of providing materials, homeworks, etc, essential for the class. Students are strongly encouraged to raise questions, lead discussions on related issues.

### 2. Course Objectives

### 3. Class types and activities

#### 4. Teaching Method

1. mid-term exam. 30
2. final exam. 30
3. others 40

#### 5. Knowledge and ability required for taking this course

#### 6. Method of Evaluation

Evaluation Item	The Number of Times	Evaluation Proportion	Remarks
Attendance			
midterm exam			
final exam			
quiz			
presentation			
discussion			
homework			
etc			

Details of the class evaluation standards depends on the importance of the given topic and its contents, and could be changed upon the requests of the whole class.

Followings are the basic standard for evaluation.

1. lecture in class : 40
2. students activity in class : 30
3. reports, etc : 30

## 7. Textbooks

Main/Sub	Title	Writer	Publisher	Publication year
참고자료	Environmental and Resource Economics : An Introduction	Michael Common	Longman and New York	1992
참고자료	Environmental and Natural Resource Economics 6/E	Addison Wesley	Tietenberg	
참고자료	Principles of Economics	Dryden	N. Gregory Mankiw	
주교재	Intermediate Microeconomics	Hal R. Varian	W.W. Norton & Company, Inc.	

## 8. Lecture Schedule

Week	Lecture contents	Lesson type	Remark
1	Elements of Economics, basic concepts, models		Suduk Kim
2	Thinking like an Economists, positivism		Suduk Kim
3	Prices, Aggregation and Decisions		Suduk Kim
4	Production, Utility, Allocation and Distribution, Marginal analysis		Suduk Kim
5	Demand and Supply (I)		Suduk Kim
6	Demand and Supply (II)		Suduk Kim
7	Introduction to Positive Methods: Statistics, Econometrics		Suduk Kim
8	Mid-Term Exam		Suduk Kim
9	Economics of pollution		Suduk Kim
10	Intertemporal Resource Allocation		Suduk Kim
11	Economic Growth and Energy, Sustainability		Suduk Kim
12	Energy and Environment (I)		Suduk Kim
13	Energy and Environment (II)		Suduk Kim
14	Benefit-Cost Analysis, Energy Issues to be Considered		Suduk Kim
15	Understanding Energy Statistics, Energy Balance Table		Suduk Kim
16	Final Exam		Suduk Kim

9. Others

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