

DERS BİLGİLERİ FORMU	
Dersi Açan Fakülte/ Enstitü	İktisadi ve İdari Bilimler Fakültesi
Dersi Açan Bölüm/ Ana Bilim Dalı	İktisat
Dersin Kodu	İKT 422
Dersin Adı	Energy Economics
Öğretim Dili	İngilizce
Dersi Alan Programlar	Economics and All Other Programs
Ders Türü	Elective
Dersin Seviyesi	Undergraduate 4
AKTS Kredisi	6
Ön Koşullar	ECON 103 Introduction to Economics
Dersin İçeriği	Energy fundamentals, resources, production and price dynamics. Energy demand and supply. International energy markets: oil market and OPEC, natural gas market, LNG monopsony, coal market. Nuclear energy. Energy policies and regulations: electricity production, transmission and distribution. Energy, the environment and sustainable development. Global warming. Renewable energy resources. Energy market and energy policies in Turkey.
Dersin Amacı	The goal of the course is to introduce students various topics in energy economics and to enable them to use knowledge, theories and principles of economics in analyzing energy problems.
Dersin Kazanımları	Gaining knowledge on economics of energy issues. Developing skills of students in analyzing energy issues by using economic theories, methods and approaches.
Ders Kitabı ve/veya Kaynaklar	There is no specific text book for the course. A reading list will be distributed and students are responsible to find the reading material from the library and study it.
Değerlendirme Ölçütleri	Katkı payı
	Devam
	Laboratuvar
	Uygulama
	Alan Çalışması
	Ödev
	Sunum
	Projeler A Research Paper: 50%
	Seminer
	Ara Sınavlar 50%
	Quiz
	Final
	Toplam 100%
Ders Planı	Tartışılacak/ İşlenecek Konular
	Global Energy Use and Supply
1. Hafta	Thermodynamic Principles of Energy Conversion
2. Hafta	Energy Demand Analysis
3. Hafta	Energy Supply Analysis
4. Hafta	Fossil and nuclear fueled power plants Exhaustible resources
5. Hafta	World Petroleum Market, Monopoly, Dominant Firm and OPEC
6. Hafta	World Natural gas Market and Game Theory
7. Hafta	World Coal Market and Perfect Competition
8. Hafta	World Coal Market and Perfect Competition
9. Hafta	Nuclear Energy
10. Hafta	Energy markets and principles of energy pricing, taxation Energy Derivatives
11. Hafta	Global Warming, Public Goods and Externalities
12. Hafta	Renewable Energy