Course Information

COURSE INFORMATION

Course Title	Code	Semester	L+U Hour	Credits	ECTS
Global Warming, Energy Politics and Ecology	FZK476	8. Semester	2 + 2	3.0	8.0

Prerequisites	None

Language of Instruction	Turkish
Course Level	Bacheclor's Degree (First Cycle)
Course Type	Elective
Mode of delivery	Face to face
Course Coordinator	Prof. Dr. Caner ÇİÇEK
Instructors	Prof. Dr. Caner ÇİÇEK
Assistants	
Course Objectives	Energy production and its uses, fossil fuels and the advantages/disadvantages of fosil fuels, Global warming modeling and the greenhouse effect, the ecological impacts of energy consumption, energy production and consumption policies, management of energy resources as an international power, distribution and use of energy resources behind the world peace, national and international power generation and consumer awareness are the main issues that described in the course.
Course Content	Introduction, Global warming and its importance, Energy and environment relationship and energy requirement, Intelligent energy management systems, Energy management and national policies related energy management, Energy, where the national and with international peace, Turkey's position and role in the management of the world's energy, Turkey's position and role beside world's energy management The world's energy policies and its global effects, Effective and efficient energy managemnet and its contribution for national independence, Energy savings and its economic repercussions, Energy consumption and its consciously usage, Economic energy production and its use, Industrial energy demand-supply policies, Sustainable energy management
Course Learning Outcomes	1) Explain natural phenomena and interpret it. 2) Formulate and solve of the problems related to field 3) Evaluation and analyses of the Global warning's data. 4) Describe work methods of interdisiplinary 5) Evaluate technology and applications of industry.

WEEKLY COURSE CONTENT

Week	Topics	Teaching and Learning Methods and Techniques	Study Materials
1. Week	Introduction	Lectures, assignment , Discussion,	

Quick Access

Physics
- Qualification Awarded
- Level of Qualification
- Qualification Requirements and Regulations
- Specific Admission Requirements
- Recognition of Prior Learning
- Profile of the Program
- Program Key Learning Outcomes
- Occupational Profile of Graduates
- Access to Further Studies
- Course Structure & Credits
- Exam Regulations & Assessment & Grading
- Graduation Requirements
- Mode of Study
- Programme Director(or Equivalent)
- Evaluation Questionnaire
- TYYÇ

Course Information
- Course Information
- Weekly Course Content
- Resources
- Assessment
- Course Category
- CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES
- ECTS credits and course workload

		application Practice	
2. Week	Global warming and its importance	Lectures,assignment , Discussion, application Practice	
3. Week	Energy and environment relationship and energy requirement	Lectures, assignment , Discussion, application Practice	
4. Week	Intelligent energy management systems	Lectures, assignment , Discussion, application Practice	
5. Week	Energy management and national policies related energy management	Lectures,assignment , Discussion, application Practice	
6. Week	Energy, where the national and with international peace. Turkey's position and role in the management of the world's energy.	Lectures, assignment , Discussion, application Practice	
7. Week	Turkey's position and role beside world's energy management	Lectures, assignment , Discussion, application Practice	
8. Week	Midterm Exam	Writting and Oral Exam	
9. Week	Effective and efficient energy managemnet and its contribution for national independence	Lectures, assignment , Discussion, application Practice	
10. Week	Energy savings and its economic repercussions	Lectures, assignment , Discussion, application Practice	
11. Week	Energy savings and its economic repercussions	Lectures, assignment , Discussion, application Practice	
12. Week	Economic energy production and its use	Lectures, assignment , Discussion, application Practice	
13. Week	Industrial energy demand-supply policies	Lectures, assignment , Discussion, application Practice	
14. Week	Sustainable energy management	Lectures, assignment , Discussion, application Practice	
15. Week	The world's energy policies and its global effects	Lectures, Discussion, Application Practice	
16. Week	Final Exam	Written, oral exam	

RESOURCES

Recommended Sources
Davis, D.C., and Davis, D.H., (2005), Energy Politics, Springer.
Malon, K., (2005), Renewable Energy Policy and Politics, CRC Press.
Shaffer B., (2009). Enrgy Politics. University of Pennsylvania Press.
Bader, J., Bieun, S.., Bzon, I., and Farrell, D., (2008). The lobal Politics of Energy. The Aspen Institute.

ASSESSMENT

Measurement and Evaluation Methods and Techniques		
Midterm exam (%40) , final exam (%60)		
In-Term Studies	**Quantity**	**Percentage**
Mid Term Exam 1	1	40
Total	1	40
End-Term Studies	**Quantity**	**Percentage**
Final Exam	1	60
Total	1	60
Contribution Of In-Term Studies To Overall Grade		40
End-Term Studies		60
Total		100

COURSE CATEGORY

Course Category	Percentage
Core Courses	% 100

CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME OUTCOMES

Programme Outcomes	Contribution Level	DK1	DK2	DK3	DK4	DK5
PY1	4	4	4	4	4	4
PY2	4	4	4	4	4	4
PY3	5	5	5	5	5	5
PY4	4	4	4	4	4	4
PY5	4	4	4	4	4	4
PY6	5	5	5	5	5	5
PY7	4	4	4	4	4	4
PY8	5	5	5	5	5	5
PY9	5	5	5	5	5	5
PY10	4	4	4	4	4	4
PY11	4	4	4	4	4	4
PY12	3	3	3	3	3	3
PY13	4	4	4	4	4	4
PY14	3	3	3	3	3	3
PY15	4	4	4	4	4	4

*DK = Course's Contrubution.

	0	1	2	3	4	5
Level of contribution	None	Very Low	Low	Fair	High	Very High

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ECTS CREDITS AND COURSE WORKLOAD

Event	Quantity	Duration (Hour)	Total Workload (Hour)
Class Hours (14 weeks)	14	4	56
Presentation/Seminar	4	1	4
Final Exam Preparation	1	5	5
Mid Term Exam Preparation	2	10	20
Assignment 1	4	10	40
Assignment 2	14	1	14
Mid Term Exam 1	1	2	2
Final Exam	1	2	2
Preliminary Study	14	2	28
Further Study	14	2	28
		Total Workload	199
		Total Workload / 25.5 (s)	7.80
		ECTS Credit of the Course	8