ENERGY GEOGRAPHY

1	Course Title:	ENERGY GEOGRAPHY	
2	Course Code:	SOSBS203	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	4.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. EMİN ATASOY	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Prof. Dr. Emin Atasoy eatasoy@uludag.edu.tr, 0 224 29 42 282 Uludağ Üniversitesi Eğitim Fakültesi Sosyal Bilgiler Eğitimi	
17	Website:		
18	Objective of the Course:	The aim is to analyze the production and consumption of energy and energy resources, which play an important role in world politics and national development, as well as the types and characteristics of energy resources, the criteria for the selection of energy resources and new - clean energy resources.	
19	Contribution of the Course to Professional Development:	Energy concept and types; energy sources: coal, oil, natural gas, hydraulic energy, nuclear energy, alternative energy sources, wind energy, solar energy, geothermal energy; To raise individuals who can analyze Turkey's energy resources and energy-related problems.	
20	Learning Outcomes:		
		1	Understanding and learning the concept of energy and the main types of energy
		2	Ability to interpret the environmental problems, political relations and economic reflections of energy resources and their use, and the relationship between them from a broad perspective.
		3	To be able to understand the basic characteristics, geographical distribution and importance of exhaustible and inexhaustible energy resources and environmentally friendly and environmentally friendly energy resources.
		4	To understand the export, import, geographical distribution and global trade of exhaustible and inexhaustible energy resources.
		5	To be able to understand the knowledge about exhaustible and inexhaustible energy resources and their importance in national and international problems, current events and global policies.
		6	Learning the characteristics of energy resources such as coal, oil and natural gas, their geographical distribution and their place and importance in the global economy.

	7	Learning the characteristics of energy resources such as hydrological energy, biogas and thermal energy, their geographical distribution and their place and importance in the global economy.
	8	Midterm - midterm exam.
	9	Learning the characteristics of energy resources such as wind energy, solar energy and marine tidal energy, their geographical distribution and their place and importance in the global economy.
	10	Learning the characteristics of energy sources such as nuclear energy and alternative energy, their geographical distribution and their place and importance in the global economy.

21	Course Content:

Course Content:

Week	Theoretical	Practice
1	What is Energy? Kinetic Energy, Potential Energy, Classification of Energy Resources	
2	Mining Coal. Coal Formation Theories, Classification of Coals	
3	World Coal Reserves, Production and Trade	
4	Petroleum and Derivatives in the World and Turkey. Oil Refineries, Pipelines, Trading	
5	Natural gas	
6	Midterm week - midterm exam.	
9	Biomass Energy	
11	Wind energy	
13	Hydrogen Energy	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	0	0.00	0.00
Homeworks	14	3.00	42.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm Exams	1	10.00	10.00
Others	0	0.00	0.00
Final Exams	1	40.00	40.00
Total Work Load			120.00
Total work load/ 30 hr			4.00
ECTS Credit of the Course			4.00

22	Textbooks, References and/or Other	KARABULUT, Yalcın, Energy Resources, Ankara Ogün Coşkun, Energy Resources, Pegem academy Derya Yarımkaya, Alternative Energy Resources, KARABULUT, Yalçın, Turkey Energy Resources, Ankara University Press, Ankara 2000
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Midterm Exam	1	40.00
Quiz	0	0.00
Home work-project	0	0.00
Final Exam	1	60.00
Total	2	100.00
Contribution of Term (Year) Learning Activities to Success Grade		40.00

Contribution of Final Exam to Success Grade	60.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	comment questions and test questions

24	ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	2	2	4	1	5	3	4	2	3	4	5	4	3	3	1	5
ÖK2	5	3	3	2	1	5	3	2	3	3	4	5	4	4	3	2
ÖK3	2	2	4	3	3	1	2	3	3	5	1	2	3	1	2	4
ÖK4	2	4	2	2	3	3	3	1	5	2	2	4	1	3	3	4
ÖK5	5	1	3	4	2	2	5	2	4	2	3	2	5	2	4	4
ÖK6	4	2	4	2	3	2	2	3	4	1	2	2	3	4	1	2
ÖK7	3	2	3	2	3	3	2	4	2	3	2	4	2	3	2	3
ÖK8	2	3	3	3	4	5	1	1	1	1	3	3	2	3	4	4
ÖK9	2	1	2	3	2	2	5	1	2	3	2	3	2	3	2	1
ÖK10	3	2	4	2	3	4	3	3	2	1	3	1	2	4	4	5
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**			**4 High**			**5 Very High**				