

Medicine			
Bachelor	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	UNI369		
Course Name:	Energy Economy and Sustainability		
Semester:	Spring Fall		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	Turkish		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	University Elective		
Course Level:	<div>Bachelor</div> <div>TR-NQF-HE:7. Master`s Degree</div> <div>QF- EHEA:Second Cycle</div> <div>EQF-LLL:7. Master`s Degree</div>		
Mode of Delivery:	Face to face		
Course Coordinator:	Öğr. Gör. HAKAN YILDIZ		
Course Lecturer(s):	Hakan Yıldız		
Course Assistants:			

Course Objective and Content

Course Objectives:	<p>This course aims to introduce students to energy economics and sustainability topics. The course purposes to address energy policies and sustainability principles by examining the effects of energy resources on the economy, environment and society. It aims to teach students the basic concepts, relationships and future applications in the field of energy economics and sustainability. This course aims to help students understand energy issues from a more comprehensive</p>
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	perspective and gain knowledge about how energy resources can be managed sustainably.
Course Content:	This course provides an in-depth look at energy economics and sustainability issues. It covers the types of energy resources, their economic impacts, environmental consequences and social dimensions. It also addresses important issues such as energy policies, energy security, renewable energy technologies and social justice. It offers students the opportunity to understand current developments and the future in the fields of energy economics and sustainability.

Learning Outcomes

The students who have succeeded in this course;

Course Flow Plan

Week	Subject	Related Preparation
1)	Course Purpose and Introduction	Lecture notes
2)	Basic Concepts About Economy and Sustainability	Lecture notes
3)	Relationship between Energy and Economy	Lecture notes
4)	Energy Resources and Economies	Lecture notes
5)	Energy Security and Geopolitical Factors	Lecture notes
6)	Energy Markets	Lecture notes
7)	Energy Markets	Lecture notes
8)	Midterm	No
9)	Energy Sustainability and Environmental Effects	Lecture notes
10)	Policies Related to Energy and their Economic Effects	Lecture notes
11)	Sustainability and Social Impacts	Lecture notes
12)	Energy Economy and Future	Lecture notes
13)	Latest Developments in Energy Economy and Sustainability	Lecture notes
14)	General Evaluation	No

Sources

Course Notes / Textbooks:	Ders notları - lecture notes
References:	Ders notları - lecture notes

Course - Program Learning Outcome Relationship

Course Learning Outcomes
Program Outcomes
1) When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.
2) knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.
3) is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.
4) knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.
5) can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.
6) knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.
7) can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.
8) knows the clinical decision-making process, evidence-based medicine practices and current approaches.
9) knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.
10) knows the biopsychosocial approach, evaluates the causes of diseases by considering the individual and his / her environment.
11) is capable of having effective oral and/or written communication with patients and their relatives, society and colleagues.
12) knows the techniques, methods and rules of researching. It contributes to the creation, sharing, implementation and development of new professional knowledge and practices by using science and scientific method within the framework of ethical rules.
13) can collect health data, analyze them, present them in summary, and prepare forensic reports.
14) knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.

Course Learning Outcomes
15) knows employee health, environment and occupational safety issues and takes responsibility when necessary.
16) knows health policies and is able to evaluate their effects in the field of application.
17) keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.
18) applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	When Istinye University Faculty of Medicine student is graduated who knows the historical development of medicine, medical practices, and the medical profession and their importance for society.	
2)	knows the normal structure and function of the human body at the level of molecules, cells, tissues, organs and systems.	
3)	is capable of systematically taking an accurate and effective social and medical history from their patients and make a comprehensive physical examination.	
4)	knows the laboratory procedures related to diseases; In primary care, the necessary material (blood, urine, etc.) can be obtained from the patient with appropriate methods and can perform the necessary laboratory procedures for diagnosis and follow-up or request laboratory tests.	
5)	can distinguish pathological changes in structure and functions during diseases from physiological changes and can Interpret the patient's history, physical examination, laboratory and imaging findings, and arrive at a pre-diagnosis and diagnosis of the patient's problem.	
6)	knows, plans and applies primary care and emergency medical treatment practices, rehabilitation stages.	
7)	can keep patient records accurately and efficiently, know the importance of confidentiality of patient information and records, and protects this privacy.	
8)	knows the clinical decision-making process, evidence-based medicine practices and	

	current approaches.	
9)	knows and applies the basic principles of preventive health measures and the protection of individuals from diseases and improving health, and recognizes the individual and/or society at risk, undertakes the responsibility of the physician in public health problems such as epidemics and pandemics.	
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14)	knows the place of physicians as an educator, administrator and researcher in delivery of health care. It takes responsibility for the professional and personal development of own and colleagues in all interdisciplinary teams established to increase the health level of the society.	
15)	knows employee health, environment and occupational safety issues and takes responsibility when necessary.	
16)	knows health policies and is able to evaluate their effects in the field of application.	
17)	keeps medical knowledge up-to-date within the framework of lifelong learning responsibility.	
18)	applies own profession by knowing about ethical obligations and legal responsibilities, prioritizing human values and with self-sacrifice throughout own medical life.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Attendance	14	% 0
Midterms	1	% 40
Final	1	% 60
total		% 100

PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	14	2	3		70
Study Hours Out of Class	14	0	2		28
Midterms	1	10	1		11
Final	1	15	1		16
Total Workload					125