



ECTS COURSE INFORMATION FORM

School/Faculty/Institute	Faculty of Economics, Administrative, and Social Sciences		
Program	B.A. in Economics	Elective	
	B.A. in Management	Elective	
	B.A. in Political Science	Elective	

Course Code	ECON 435			
Course Title in English	Environmental Economics and Sustainability			
Course Title in Turkish	Çevre Ekonomisi ve Sürdürülebilirlik			
Language of Instruction	English			
Type of Course	Lecture (Flipped Classroom)			
Level of Course	Undergraduate			
Semester	Spring			
Contact Hours per Week	Lecture: 3	Recitation: 0	Lab: 0	Other: 0
Estimated Student Workload	136 hours per semester.			
Number of Credits	5 ECTS			
Grading Mode	Standard letter grade			
Pre-requisites	ECON 101: Microeconomics			
Expected Prior Knowledge	None			
Co-requisites	None			
Registration Restrictions	Only Undergraduate Students			
Overall Educational Objective	To learn the basic principles of environmental economics and the relationship between economics and sustainability.			
Course Description	This course introduces the relationship between environment and economy, cost-benefit analysis, valuation of environmental problems, sustainable development and resource allocation, international trade and agreements, energy, land allocation, agriculture, circular economy, pollution control and policies.			
Course Description in Turkish	Bu ders çevre ve ekonomi arasındaki ilişki, fayda-maliyet analizi, çevresel sorunların değerlendirilmesi, sürdürülebilir kalkınma ve kaynak dağılımı, çevre konularında uluslararası ticaret ve anlaşmalar, enerji, arazi tahsisi, tarım, döngüsel ekonomi, kirlilik kontrolü ve politikaları konularını tanıtır.			
Course Learning Outcomes and Competences	Upon successful completion of the course, the learner is expected to be able to: <ol style="list-style-type: none">1. define environmental problems, understand the relationship between environment and economics and the role of government in environmental policies;2. define, calculate, and explain benefit and cost analysis and valuation concepts and methods for the environmental problems;3. understand the concepts of sustainable development and resource allocation, describe and discuss international trade and agreements on environment, the factors that influence sustainable energy, land allocation and agriculture;4. understand and discuss the debates on climate change and population.			

Relation to Program Outcomes and Competences: N=None S=Supportive H=Highly Related

Program Outcomes and Competences	Level	Assessed by
	N/S/H	Flipped Classroom Practice, Exam , Project, Presentation, ccc
1. Has a broad understanding of economics with a deep exposure to other social sciences and mathematics.	S	
2. Demonstrates knowledge and skills in understanding the environmental economics and policies.	H	Exam, Quizzes
3. Displays a sound comprehension of microeconomic and macroeconomic theory.	S	
4. Applies economic concepts to solve complex problems and enhance decision-making capability.	H	Exam
5. Uses quantitative techniques to analyze different economic systems.	N	
6. Applies theoretical knowledge to analyze issues regarding Turkish and global economies.	S	Exam
7. Demonstrates proficiency in statistical tools and mainstream software programs to process and evaluate economic data.	N	
8. Behaves according to scientific and ethical values at all stages of economic analysis: data collection, interpretation and dissemination of findings.	N	
9. Uses written and spoken English effectively (at least CEFR B2 level) to exchange scientific information.	S	Flipped Classroom Practice, Project, Presentation, Quizzes
10. Exhibits individual and professional ethical behavior and social responsibility.	S	Flipped Classroom Practice, Project
11. Displays learning skills necessary for further study with a high degree of autonomy	N	
12. Attends classes regularly (at least 70% of classes)	H	Flipped Classroom Practice
13. Prepares a written discussion paper on environmental policies	H	Project
14. Demonstrates knowledge and skills in presenting the written discussion paper	H	Presentation
15. Has a knowledge on related papers that are provided before class	H	Flipped Classroom Practice
16. Completes pre-class questions	H	

Prepared by and Date	Dr. Merve Hamzaoğlu, 27.12.2022	
Semester	Spring 2022-23	
Name of Instructor	Dr. Merve Hamzaoğlu PhD	
Course Contents	Week	Topic
	1.	Course Introduction, Basic Principles of Environmental Economics Introduction to Economic Approach in Environmental Problems
	2.	The Economic Approach to the Environment Problems i. Property Rights ii. Externalities

		iii. Public Good
	3.	Benefit Cost Analysis i. Normative criteria for decision making ii. Divergence of social and private discount rates iii. Cost effectiveness
	4.	Valuation of the Environment i. Valuation (i.e. types of values) ii. Examples
	5.	Dynamic Efficiency Solutions for Environmental Problems i. Two-period model ii. Intertemporal fairness iii. Environmental policy
	6.	Sustainable Development and Resource Allocation i. Sustainability of development ii. Transition to a renewable substitute iii. Market allocations of depletable resources iv. Examples
	7.	International Trade and Agreements i. Emission Trade and Kyoto Protocol ii. Efficiency and sustainability
	8.	Review
	9.	Energy and Sustainability i. Natural gas: price control ii. Oil: cartel problem iii. Energy efficiency
	10.	Land Allocation i. Economics of land allocation ii. Sources of inefficiency iii. Policy
	11.	Agriculture and Circular Economy i. Basic Concepts of Circular Economy ii. Food waste iii. Distribution of food resources
	12.	Pollution Control and Policy Applications i. Efficient allocation of pollution ii. Market allocation of pollution iii. Policy dimensions iv. Future of the Environment
	13.	Future of the Environment And Presentations on Population and Climate Change)
	14.	Review
	15.	Final Examination Period
	16.	Final Examination Period
Required/ Recommended Readings	Required Reading: Principles of Environmental & Natural Resource Economics, T. Tietenberg and L. Lewis, 9th Edition ISBN-10:0131392573 ISBN-13: 978013139257	
Teaching Methods	Flipped classroom	
Homework and Projects	One project	
Laboratory Work	None	
Computer Use	None	
Other Activities		
Assessment Methods	<ul style="list-style-type: none"> • One Midterm (30% of the total grade) • One final (35% of the final grade). • Quizzes (10% of the total grade) • Pre-class questions (10% of the total grade) • One project and presentation (15% of the total grade) 	
Course Administration	<p>Course Instructor: Dr. Merve Hamzaoğlu – hamzaoglum@mef.edu.tr</p> <p>Lecture time and place: TBA</p> <p>Attendance/participation: Students are expected to prepare for the lecture via assigned</p>	

videos and reading materials. Students are responsible to follow the announcements, course materials available on Blackboard system.

Formal use of e-mails: Students are expected to use their @mef accounts for email traffic. The instructor is only responsible for the information sent/received through Blackboard system and emails using @mef account. The course instructor assumes that any information sent through email will be received in 24 hours, unless a system problem occurs.

Grading and evaluation: Evaluation will be based on the student learning outcomes. It is strongly recommended to complete all the work in a timely fashion. Late submissions will not be accepted.

Missing midterm exam: No make up unless a legitimate proof of absence is presented.

Missing quizzes: No make up

Academic integrity: All students of MEF University are expected to be honest and comply with academic integrity. Students are expected to do their own work and neither give nor receive unauthorized assistance. Disciplinary action will be taken in case of suspicion.

Academic Dishonesty and Plagiarism: YOK

Regulation <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.16532&MevzuatIliski=0&sourceXmlSearch=Yükseköğretim%20Kurumları%20Öğrenci%20Disiplin%20Yönetmeliği>

IMPORTANT: Minimum of 70% attendance is required to pass this course! This means, if you miss 5 lectures with or without an excuse, you cannot take the final exam and will get an FZ. (MEF Üniversitesi Lisans ve Önlisans Eğitim-Öğretim Yönetmeliği Madde 24).

ECTS
Student
Workload
Estimation

Activity	No. of Weeks Semester (A)	Hours			Calculation	Explanation
		Hours for the Activity (B)	Hours for the Activity Itself (C)	Hours for the Activity Require		
Lecture	14	2	3	1	84	A*(B+C+D)
Lab etc.					0	
Midterm(s) Portfolio	3	8	2		30	A*(B+C+D)
Project, Presentation	3	1	1		6	A*(B+C+D)
Final Examination	1	14	2		16	A*(B+C+D)
Total Workload					136	
Workload/25					5.44	
ECTS					5	