

**ANKARA YILDIRIM BEYAZIT UNIVERSITY – DEPARTMENT OF ECONOMICS
COURSE SYLLABUS**

Course Code	Course Title	Course Type	ECTS Credits	Prerequisite Information	Date of Preparation
ECON431	ECONOMICS OF NATURAL RESOURCES	Elective	6	-	19.09.2025
Instructor of the Course & E-Mail Address	Asst. Prof. Dr. Elif Gül Köse / egkose@aybu.edu.tr				
Office Hours & Office Room	Wednesday, 13:00 - 14:00				
Course Content and Objectives	Natural resources play a vital role in meeting the economic, social, and environmental needs of people worldwide. The ways in which these resources are utilized and managed significantly affect the economy, human well-being, and the environment. Public policies shape how natural resources are used and managed, thereby impacting the lives of various user groups both now and in the future. It is essential for resource professionals and the public to grasp the fundamental concepts of policy and economics, understand policy administration and the actors involved, and learn how to assess resource policies from an economic perspective.				
Textbook(s)	Perman, R.; Ma, Y .; McGilvray, J.; Common, M. (2003). <i>Natural Resource and Environmental Economics</i> (Third ed.), Pearson.				
Teaching Methods and Techniques	In this course class discussions will be used as teaching methods and techniques.				
Course Learning Outcomes	1	Ability to reach advanced conceptual, theoretical and empirical knowledge in economics discipline and its branches using up-date academic resources, and ability to process this knowledge			
	2	Ability to collect data, conduct analysis, make scientific evaluations and suggest policy implications using economic research methods			
	3	Explaining the relationships between natural resources, the environment, and the economy			
	4	Explaining the economic analysis of natural resources and the environment and assessing market failures			
	5	Explaining the concept of sustainable development, its historical progress, indicators, strategies, and policies.			
Program Outcomes Contributed by the Course	Program Outcomes (PO)				
	P01	To know the field of fiscal and economic analysis in great depth, as regards public and private sector activities and market dynamics and regulations;			
	P02	To obtain an advanced theoretical and practical knowledge in the field of public economics, public finance, taxation, budget and fiscal history			
	P03	To employ fiscal theory, broadly defined, to provide an original analysis of current historical events, to analyze social problems, and evaluate alternative public policy choices			
	P04	To possess fundamental knowledge of (public) finance, law, economics, statistics, econometrics, business and accounting, starting from the fact that public finance is an interdisciplinary area			
	P05	To possess fundamental knowledge of (public) finance, law, economics, statistics, econometrics, business and accounting, starting from the fact that public finance is an interdiscipliner area			
	P06	To learn relevant definitions, basic principles and major issues of taxation; obtain theoretical, economic and legal knowledge on the process of taxation			
	P07	To act in accordance with social, scientific and professional ethical values in academic studies			
	P08	To be able to communicate information, ideas, problems and solutions clearly to both specialist and non-specialist audiences; to inform authorities and institutions in the area of public finance; to express ideas			
	P09	To recognize and appreciate the diversity of views that have historically been expressed about public finance and fiscal theory and to assess-identify both similarities-differences between old and contemporary			
P10	To obtain European Language Portfolio B1 level proficiency and be able to use English in both oral and written communication				

	P11	To be able to apply knowledge and understanding skills and demonstrate a professional approach to work, and to possess adequate skills for proposing and defending arguments and solving specific fiscal and economic problems	
	P12	To design and conduct research that will inform managerial and policy decision-making, including the collection, analysis, and interpretation of data using familiar software packages; to use fiscal-economic methods and quantitative techniques in the analysis and interpretation of financial, economic, and social problems	
	P13	To be aware and a follower of social responsibilities as well as political rights and freedoms; to be open-minded and prepared to work together with people from different cultures and groups.	
Contribution of the Course to Field Instruction	The students will be able to have knowledge of different introductory level theoretical approaches and practical applications supported by textbook containing up-to-date information in the field of natural resource economics.		
Topics Covered in the Course	1. Week	An introduction to natural resource and environmental economics	
	2. Week	The origins of sustainability problem	
	3. Week	Ethics, economics and the environment	
	4. Week	Concepts of sustainability	
	5. Week	Welfare economics and the environment: Efficiency and optimality	
	6. Week	Welfare economics and the environment: Allocation in market economy	
	7. Week	Welfare economics and the environment: Market failure public policy and the environment	
	8. Week	Midterm week	
	9. Week	Pollution control: targets	
	10. Week	Pollution control: instruments	
	11. Week	Pollution policy with imperfect information	
	12. Week	Economy-wide modelling	
	13. Week	International environmental problems	
	14. Week	Cost-benefit analysis	
	15. Week	General Evaluation	
Course Evaluation Criteria	In-Term Studies	Quantity	Percentage %
	Mid-terms	1	%50
	Quizzes	0	%0
	Assignments	0	%0
	Attendance	0	%0
	Practice	0	%0
	Project	0	%0
	Final examination	1	%50
	Total	2	100%
Disability Policy	If you have a documented disability (e.g., visual, hearing, or physical impairment, etc.) that may influence your performance in this course, it is recommended to meet with the Engelsiz AYBU (https://aybu.edu.tr/engelsiz/content_list-327-yildirim-beyazit-universitesi-engelsiz-universite-birimi-yonergesi.html) to arrange for reasonable conditions (such as accommodation, etc.) to ensure an equitable opportunity to meet all the requirements of this course. You may also contact the local authority of the Faculty of Political Sciences. You should communicate your needs to the course instructor as soon as possible to ensure that any course needs concerning exams, lecture materials, etc. are met.		