

SYLLABUS

Name of course	ENVIRONMENTAL ECONOMICS AND POLICY		
Code of course			
University			
Faculty			
GENERAL INFORMATION			
Degree level	MASTER		
Year of study		Semester	
Subject of study			
Language required for the course	ENGLISH		
List of degree programs			
ACTIVITIES			
Number of credits, ECTS			
Lectures, hours		Practices (laboratories, workshop), hours	Project, hours
Per week		Per course	
COURSE DESCRIPTION			
<p>This course aims to provide students with a comprehensive foundation in economic theory and policy analysis, emphasizing their application to contemporary environmental challenges. It introduces fundamental analytical concepts and pertinent economic theories, with a specific focus on market failures to elucidate the origins of various environmental issues.</p> <p>Furthermore, the course delves into specific environmental policy domains, including but not limited to climate change, while examining diverse economic policy analysis tools, with particular attention to their impact on both businesses and individuals</p>			
AIM OF COURSE			
<p>To provide students with a rigorous understanding of the economic principles and policies related to the environment, highlighting the complexities and challenges of sustainable development. The course will be structured to offer a blend of theoretical knowledge, real-world examples, and policy applications.</p>			
CONTENT			
<ul style="list-style-type: none"> ✓ Introduction to Environmental Economics ✓ Market Failures and the Environment ✓ Economic Valuation of Environmental Resources ✓ Cost-Benefit Analysis in Environmental Decision Making ✓ Non – Renewable Resources: Economics and Policy ✓ Economics of Renewable Resources ✓ Climate Change Economics ✓ Environmental Policy Instruments, Justice and Equity ✓ International Environmental Agreements ✓ Economics of Biodiversity and Conservation ✓ Behavioral Economics and the Environment ✓ Sustainability and Development: Integrating Economics, Environment, and Society 			
EVALUATIONS <i>(add lines as needed)</i>			
1	Assignment / Workshop		25 %



2	Midterm	35 %
3	Final	40 %
ASSESSMENT CRITERIA		
✓		
PRE-REQUIREMENTS FOR STUDENTS		
✓		
LEARNING OUTCOMES		
<p>Competencies:</p> <ul style="list-style-type: none"> • Collaboration: • Creativity: • Character: • Citizenship: • Computational Thinking: 		
<p>Skills:</p> <ul style="list-style-type: none"> • Critical, systems and nature-centric thinking • Nature connectivity • Long-term thinking • Historical and cultural understanding • Monitoring 		
LEARNING STRATEGIES		
✓		
RECOMMENDED SOURCES		
<p>Compulsory literature:</p> <ol style="list-style-type: none"> 1. Callan, Scott J. and Thomas, Janet M. 2007. Environmental Economics and Management: Theory, Policy, and Applications. Thomson South-Western. (CC) 2. Field, Barry C. and Field, Martha K. 2006. Environmental Economics: An Introduction. 4th Ed. McGraw-Hill. (FF) 3. Turner, Pearce, and Bateman. 1994. Environmental Economics: An Elementary Introduction. Harvester Wheatsheaf. (TB) 4. Wagner, Gernot, and Martin Weitzman. Climate Shock. Princeton University Press, February 22, 2015. 5. Henderson, Rebecca, Gulati, Ranjay, and Michael Tushman. Leading Sustainable Change: An Organizational Perspective. Oxford University Press, January 29, 2015. 6. Jorgenson, Dale W., Richard J. Goettle, Mun S. Ho, and Peter J. Wilcoxon. "Double Dividend: Environmental Taxes and Fiscal Reform in the United States." Cambridge, Massachusetts: MIT Press. November 2013. 		
<p>Suggested reading:</p> <ol style="list-style-type: none"> 1. Janet M. Thomas and Scott J. Callan (2010) "Environmental Economics: Applications, Policy, and Theory". South-Western Cengage Learning: USA. 2. Tom Tietenberg and Lynne Lewis (2018) "Environmental and Natural Resource Economics". Routledge: USA. 3. Barry C. Field and Martha K. Field (2009) "Environmental Economics: An Introduction" McGraw-Hill 4. Stavins, Robert N. Economics of Climate Change and Environmental Policy: Selected Papers of Robert N. Stavins, 2000-2011. Northampton, Massachusetts: Edward Elgar Publishing, Inc. 2013. 5. Stavins, Robert N. Economics of the Environment. New York: W.W. Norton. January 2012. 6. Henderson, Rebecca, and Richard G. Newell, eds. Accelerating Energy Innovation: Insights from Multiple Sectors. University of Chicago Press for National Bureau of Economic Research, 2011. 		





Selected internet sources:

1. Environmental attitudes among Europeans: the moderating effects of volunteering and sports club membership
Authors Christoph Bühren Pamela Wicker
Content type: Research Article Published: 23 July 2023
<https://link.springer.com/article/10.1007/s10018-023-00373-1>
2. Tsiarapas, A., Mallios, Z. Estimating the long-term impact of market power on the welfare gains from groundwater markets. *Environ Econ Policy Stud* 25, 377–406 (2023). <https://doi.org/10.1007/s10018-023-00368-y>
3. akita, A., Zhang, D. Environmental policies with variable pollution intensity in a differentiated oligopoly. *Environ Econ Policy Stud* 25, 269–283 (2023). <https://doi.org/10.1007/s10018-022-00358-6>
4. Aldy, Joseph E., and Robert N. Stavins, eds. *Post-Kyoto International Climate Policy: Implementing Architectures for Agreement*. Cambridge, UK: Cambridge University Press, 2010.
<https://www.tandfonline.com/doi/abs/10.1080/19390459.2011.604555>
5. Robert N. Stavins, and Joseph E. Aldy, eds. (2009). *Post-Kyoto International Climate Policy: Summary for Policymakers*. Cambridge, UK: Cambridge University Press. September 2009.
<https://www.belfercenter.org/publication/post-kyoto-international-climate-policy-summary-policymakers>
6. Aldy, Joseph, and Robert N. Stavins, eds. (2007). *Architectures for Agreement Addressing Global Climate Change in the Post-Kyoto World*. UK: Cambridge University Press. <https://www.belfercenter.org/publication/architectures-agreement-addressing-global-climate-change-post-kyoto-world>

GROUP OF COURSE DEVELOPERS

Course Leader:

Board:

Date of approval the course:



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