

Faculty of Economics and Political Science

Environmental Economics

Information :						
Course Code :	ECO 206	Level	•	Undergraduate	Course Hours :	3.00- Hours
Department :	Department of Econom	nics				

Area Of Study :

This course focuses on the relationship between the environment and the economic behavior of individuals and groups using microeconomic analytical tools. It includes a clear definition on environmental economics; it also introduces different methods of project impact on the environment with a special focus on cost-benefit analysis technique. It highlights the concepts of: externalities, standards, as well as different environmental policy techniques by governments with a special regard on the Egyptian case.

Course Goals:

["]ÁDefine Environmental Economics and its related topics.

- "A each the students the relationship between economics and the environment.
- ^{*"*}Areach students how to use the tools of economic analysis to study environmental issues.

"Æamiliarize students with cost-Benefit analysis.

["]Ántroduce students to major global environmental issues, and agreements."

"Ácquaint students with the Egyptian stance on different Environmental concerns and Policies.

Description :

This branch of science tries to shed light on the relationship between the environment and the economic behavior of individuals and groups using microeconomic analytical tools. It includes a clear definition on environmental economics; it also introduces different methods of project impact on the environment with a special focus on costbenefit analysis technique. It highlights the concepts of: externalities, standards, as well as different environmental policy techniques by governments with a special regard on the Egyptian case.

Course outcomes :

a.Knowled	dge and Understanding: :		
1 -	List the most pressing International and Global Environmental Issues.		
2 -	Recognize the basic tools used in Environmental Analysis.		
3 -	Define the concepts related to the environmental field.		
4 -	Relate different environmental policies.		
b.Intellect	ual Skills: :		
1 -	Point out the importance of sustainability.		
2 -	Distinguish between the different market structures and their impact on the environment.		
3 -	Outline the tradeoff between the present and the future in taking environmental decisions.		
c.Professi	ional and Practical Skills: :		

1 - Apply Cost-Benefit analysis in assessing environmental projects



2 -	Interpret the importance of developing sound environmental policies addressing current issues with a special reference to Egypt.
3 -	Compare and contrast different environmental programs.
d.General	and Transferable Skills: :
1 -	Develop problem solving skills.
2 -	Enhance innovative and know-how skills working towards results.
3 -	Gain confidence to work towards solutions.
4 -	Develop a sense of responsibility towards society.
5 -	Experience with conceptual frameworks effective for problem solving and decision making.
6 -	Acquire analytical reasoning skills, numeric and clear effective communication skills.
7 -	Test the ability of students to work under pressure and as part of a team.

Course Topic And Contents :

Торіс	No. of hours	Lecture	Tutorial / Practical
Introductory Lecture and Course Outline (Chapter 1: The Big Picture)	3	1	
Chapter 6: Environmental Quality	3	1	
Chapter 2 and Appendix: Efficiency and Choice and Readings	6	2	
Chapter 3: Market Failure	3	1	
Chapter 10: Biodiversity and Valuation	3	1	
Mid-term Exam		1	
Chapter 5: Trade-offs and the Economy	3	1	
External Readings: a. Designing Policy to Influence Consumers b. Standards (External Readings)	6	2	
Chapter 8: Sustainability	3	1	
Chapter 9: Population, Poverty, and Economic Growth	3	1	
Environmental Agencies and Major Problems in Egypt	3	1	
Final Discussion and Papers Presentation	3	1	
Final Exam		1	

Teaching And Learning Methodologies :	
Demonstration videos	
Presentations	
Group discussion	
Research Paper	

http://www.fue.edu.eg



Course Assessment :			
Methods of assessment	Relative weight %	Week No	Assess What
Course Work (Attendance, Participation, Assignments, Quizzes, Research Paperõ D	30.00		To assess understanding and to assess analytical skills.
Final Exam	40.00	15	To assess knowledge and intellectual skills.
Midterm Exam(s)	30.00	7	To assess professional skills.

Periodicals :

1. Designing Policy to Influence Consumers, Available at:

http://ec.europa.eu/environment/enveco/pdf/RealWorld_Briefing1Overall.pdf

2. Frank Wijen and Rob van Tulder, Integrating Environmental and International Strategies in a World of Regulatory Turbulence, California Management Review, Vol. 53, No. 4, Summer 2011.

3. P. Elefsiniotis and D. G. Wareham, %SO 14000 Environmental Management Standards: Their Relation to Sustainability Algournal of Professional Issues in Engineering Education and Practice, July 2005.

Web Sites :

1. Gerald Shively and Marta Galopin, An Overview of Benefit-Cost Analysis, Available at: http://www.agecon.purdue.edu/staff/shively/COURSES/AGEC406/reviews/bca.htm