

**Faculty of Economics & Political Science**

**Environmental Economics**

**Information :**

**Course Code :** ECO 206

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Public Administration

**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:**

- Define Environmental Economics and its related topics.
- Teach the students the relationship between economics and the environment.
- Teach students how to use the tools of economic analysis to study environmental issues.
- Familiarize students with cost-Benefit analysis.
- Introduce students to major global environmental issues, and agreements.
- Acquaint 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 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 outcomes :**

**a.Knowledge 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.Intellectual 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.Professional and Practical Skills: :**

1 -	Apply Cost-Benefit analysis in assessing environmental projects
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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 :**

Topic	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

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Course Work (Attendance, Participation, Assignments, Quizzes, Research Paper...)	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](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, "ISO 14000 Environmental Management Standards: Their Relation to Sustainability", Journal 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>