
CURSO: Graduação em Economia – 1º semestre de 2023

DISCIPLINA: **Environmental Economics**

PROFESSOR(ES): Sophie Mathes

CARGA HORÁRIA: 60 h

PRÉ-REQUISITO: Econometrics, Intermediate Microeconomics

HORÁRIO E SALA DE ATENDIMENTO: Monday, 3pm-5pm

SALA: 1117

PLANO DE ENSINO

1. Ementa

Environmental economics: Externalities under perfect competition, imperfect competition, imperfect information, leakage. Design of environmental policy. Cost-benefit analysis. Hedonic valuation, revealed preference. Value of a statistical life.

2. Objetivos da disciplina

The objective of this course is to introduce students to important research questions of the field of environmental economics, and to introduce tools to approach these questions.

3. Objetivos centrais de aprendizagem

At the end of the class, the student will be able to identify classical research questions of environmental economics and to outline the research methods used to answer these questions.

4. Relação da disciplina com o debate contemporâneo

Empirical analyses are fundamental for testing results of economic theory, and to evaluate public policy to aid decision-making of policy makers. Environmental economic theory and empirical analysis can guide the understanding of the trade-offs that shape the possibilities of policy making.

5. Procedimentos de ensino (metodologia)

The class will be based on the Phaneuf Requate textbook and supplemented with the study of peer reviewed research articles in the field of environmental economics. Students will solve problem sets and read and present assigned research papers.

6. Conteúdo programático detalhado

Datas	Tópico	Atividades
13.02.	Introduction, Externalities, Clean Water Act	
15.02.	Intro to Policy Theory, Congestion	
20.02.	<i>Carnaval</i>	
22.02.	<i>Carnaval</i>	
27.02.	Climate change	
01.03.	Imperfect information, Newspaper closures	
06.03.	Competitive output markets	Problem Set 1
08.03.	Value of a statistical life	
13.03.	Noncompetitive output markets	
15.03.	Leakage	
20.03.	Pre-existing distortions	
27.03.	Air pollution	
29.03.	Institutional cap&trade	
03.04.	Ambient pollution control	Problem Set 2
05.04.	Liability	
10.04.	<i>Semana A1</i>	
12.04.	<i>Semana A1</i>	
17.04.	<i>Semana A1</i>	
19.04.	Innovation+Adoption	
24.04.		- Student presentations -
26.04.		- Student presentations -
01.05.	<i>Dia do Trabalho</i>	
03.05.	International problems	
08.05.	Accumulating pollution	Problem Set 3
10.05.	Theory of welfare	
15.05.	Revealed preference methods	
17.05.	Hedonics, Property value models	
22.05.	Recreation	
24.05.		
29.05.		
31.05.	Stated preferences	
05.06.	Health valuation	Problem Set 4
07.06.		
12.06.	Cost-benefit analysis	
14.06.	Empirical cost-benefit analysis	
19.06.	<i>Semana A2</i>	
21.06.	<i>Semana A2</i>	
26.06.		- Student presentations -
28.06.		- Student presentations -

7. Procedimentos de avaliação

Students will be evaluated based on their solution to problem sets, their summaries of papers assigned for reading, and their presentation of assigned papers. A research proposal can be submitted for extra credit.

8. Bibliografia Obrigatória

Phaneuf and Requate, Environmental Economics (2016)

9. Bibliografia Complementar

Keohane and Olmstead: Markets and the Environment (2016)

10. Minicurrículo do(s) Professor(s)

Possui doutorado em Economia pela Arizona State University (2020). Atualmente é Professora assistente do Fundação Getúlio Vargas. Tem experiência na área de economia ambiental, de saúde, e de economia urbana.

10. Link para o Currículo Lattes

<http://lattes.cnpq.br/2075183927669685>