FACULTAD DE CIENCIAS FÍSICAS Y MATEMÁTICAS UNIVERSIDAD DE CHILE

PROGRAMA DE CURSO

Código	Nombre
IN7513	Economía Ambiental
Nombre en Inglés	
Environmental Economics	

Créditos	Horas de Cátedra	Horas Docencia Auxiliar	Horas de Trabajo Personal
3	3	1.5	5

Requisitos	Carácter del Curso
IN4123 / IN4143/AD	Electivo para el Magíster en Economía Aplicada.

Resultados de Aprendizaje

El objetivo del curso es comprender, dentro de un marco económico, la problemática ambiental y el papel de la intervención gubernamental. Se abordarán primero los conceptos de eficiencia, externalidades y bienes públicos para comprender porque es necesario que el gobierno intervenga en la protección del medio ambiente. Luego estudiaremos los mecanismos de control de la contaminación: comando y control, impuestos y subsidios pigouvianos, y sistemas de permisos transables (cap-and-trade).

En la segunda parte del curso abordaremos los siguientes tópicos específicos: cambio climático, valuación del medio ambiente y la relación entre medio ambiente y comercio internacional.

Prerrequisito: inferencia causal y macroeconomía. En caso de que no se cuente con alguno de ellos se requiere aprobación docente.

Metodología Docente	Evaluación General
Clases teóricas donde se expondrán los conceptos básicos y la resolución de algunos ejercicios. Trabajo de los alumnos: • Tareas para profundizar contenidos del curso. Habrá dos tipos de tareas, resolución de ejercicios (Unidad II) y tareas en donde utilizarán datos (Unidad III y IV). Serán aproximadamente 4 tareas en total. • Presentación de paper académico (Unidad IV). • Un examen parcial a mitad del curso que incluye las unidades I y II. Los textos recomendados para este curso son los siguientes.	La nota se calcula de la siguiente manera. Tareas: 25% Examen parcial: 40% Presentación paper: 25% Asistencia y participación en clase: 10% Notas: las tareas deben ser resueltas para la fecha indicada y las discutiremos en clase. Se espera participación de los alumnos.

[FF] Field, B. y Field, M., 2005, Economía Ambiental, McGraw-Hill. (básico pero útil e intuitivo para conceptos elementales) (hay una versión más nueva en inglés Environmental Economics: An Introduction, 8th edition, 2020, McGraw-Hill). **[PR] Phaneuf, D. y Requate, T., 2017, A course in Environmental Economics: Theory, Policy and Practice, Cambridge University Press.** **Otros textos:** **Kolstad, C. D. (2011). Environmental economics (2nd ed.). Oxford University Press** **Perman, R. J., Ma, Y., Common, M., Maddison, D., & McGilvray, J. W. (2011). Natural resource and environmental economics. (4th ed.)**	

Unidades Temáticas

Contenidos
I. Introducción – ¿Qué es la economía ambiental? **II. Política ambiental.** – Externalidades. – Bienes públicos. – Derechos de propiedad y Teorema de Coase. – Comando y control. – Impuestos y subsidios a las emisiones. – Cap-and-trade. – Precio vs. cantidades. – Regulación con diferentes coeficientes de transferencia. (*) – Stocks vs flujos. (*) – Recursos de uso común. (*) **III. Tópico 1: Cambio Climático** – Conceptos básicos. **IV. Tópico 2: Valuación del medio ambiente** – Criterios para evaluar políticas ambientales. – Valorización del medio ambiente. o Valuación a través de preferencias reveladas: método precios hedónicos, disposición a pagar, costo de transporte. o Valuación contingente. **V. Tópico 3: Medio ambiente y comercio internacional (*)** (*) contenidos se abordarán solo si hay tiempo

Bibliografía General

I. Introducción

FF, capítulo 1 y 2.
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II. Política ambiental.

FF, capítulo 3, 4, 5, 9, 10, 11, 12 y 13.
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III. Tópico: Cambio Climático

Archibong, Belinda, and Francis Annan. "Climate Change, Epidemics, and Inequality." *Review of Environmental Economics and Policy* 17, no. 2 (2023).

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IV. Análisis costo-beneficio.

Nota: esta sección tiene algunos "seminal" papers ordenados por tema. Se incluye una lista de investigaciones más recientes en Bibliografía Adicional.

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Elaborado por:	Evangelina Dardati