

Environmental Economics (ECON 4910)

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Lectures

Thursdays, 10:15-12:00, in Auditorium 5 ES

Week	Date	L#	Topic	Readings
4	Jan 22	L1	Economics and the Environment (FKD)	Perman et al. (2011, ch.1-4)
5	Jan 29	L2	Emission control: Targets (FKD)	Perman et al. (2011, ch.5)
6	Feb 5	L3	Emission control: Instruments (FKD)	Perman et al. (2011, ch.6)
7	Feb 12	L4	Regulation under imperfect information (FKD)	Perman et al. (2011, ch7), Weitzman (1974)
8	Feb 19	-/-	No lecture	-/-
9	Feb 26	L5	Valuation and Cost-Benefit Analysis (FKD)	Perman et al. (2011, ch.11,12), Kling et al. (2012); Carson (2012); Hausman (2012)
10	Mar 5	L6	CBA and Uncertainty (FKD)	Perman et al. (2011, ch.12,13), Traeger (2014)
11	Mar 12	L7	Voluntary contributions (FKD)	Nyborg and Rege (2003); List and Price (2013); Noussair and van Soest (2014)
12	Mar 19	L8	Environmental R&D (MH)	Requate (2005); Hoel (2010)
13	Mar 26	L9	Stock pollution problems (MH)	Perman et al. (2011, ch.16)
14	Apr 2	-/-	No lecture	-/-
15	Apr 9	L10	Climate policy: taxes and quotas (MH)	Calmfors et al. (2012)
16	Apr 16	L11	Climate policy: Subsidies and renewable portfolio standards (MH)	Hoel (2012, sect.1-8) Fischer (2009) (Fischer and Preonas, 2010; supplementary)
17	Apr 23	L12	International Environmental Agreements (MH)	Barrett (2005)
18	Apr 30	L13	Supply-side climate policy (MH)	Hoel (1994); Harstad (2012)

Seminars

Fridays 10:15-12:00 (HH, room 301) and 12:15-14:00 (HH, room 101)

Week	Date	L#	Topic
5	Jan 30	S1	Efficient provision of public good, uniform mixing flow pollution (EHO)
7	Feb 13	S2	Prices vs Quantities (EHO) <i>Reading: Weitzman (1974)</i>
10	Mar 13	S3	Valuation (EHO) <i>Reading: Harrison and Rubinfeld (1978)</i>
13	Mar 27	S4	Environmental R&D (EHO)
15	Apr 10	S5	Stock Pollution (EHO)
19	May 8	S6	Option Value and International Environmental Agreements (EHO)

Syllabus

- Barrett, S. . (2005). The theory of international environmental agreements. In Maler, K. G. and Vincent, J., editors, *Handbook of Environmental Economics*. North-Holland, Amsterdam.
- Calmfors, L., Corsetti, G., Hassler, J., Saint-Paul, G., Sinn, H.-W., Sturm, J.-E., Valentinyi, A., and Vives, X. (2012). Chapter 6: Pricing climate change. In *EEAG Report on the European Economy 2012*, pages 131–145. CESifo. http://www.cesifo-group.de/DocDL/eeag_report_chap6_2012.pdf.
- Carson, R. T. (2012). Contingent valuation: A practical alternative when prices aren't available. *Journal of Economic Perspectives*, 26(4):27–42.
- Fischer, C. (2009). When do renewable portfolio standards lower electricity prices? *The Energy Journal*, 31(1):101–120.
- Fischer, C. and Preonas, L. (2010). Combining policies for renewable energy: Is the whole less than the sum of its parts? *International Review of Environmental and Resource Economics*, 4(1):51–92.
- Harrison, D. and Rubinfeld, D. L. (1978). Hedonic housing prices and the demand for clean air. *Journal of Environmental Economics and Management*, 5(1):81–102.
- Harstad, B. (2012). Buy coal! a case for supply-side environmental policy. *Journal of Political Economy*, 120(1):77–115.
- Hausman, J. (2012). Contingent valuation: From dubious to hopeless. *Journal of Economic Perspectives*, 26(4):43–56.
- Hoel, M. (1994). Efficient climate policy in the presence of free riders. *Journal of Environmental Economics and Management*, 27(3):259–274.
- Hoel, M. (2010). Environmental R&D. Memorandum, Department of Economics 10, University of Oslo.
- Hoel, M. (2012). Second-best climate policy. Memorandum 4/12, University of Oslo, Department of Economics. <http://www.sv.uio.no/econ/english/research/memorandum/pdf-files/2012/Memo-04-2012.pdf>.
- Kling, C. L., Phaneuf, D. J., and Zhao, J. (2012). From exxon to bp: Has some number become better than no number? *Journal of Economic Perspectives*, 26(4):3–26.
- List, J. A. and Price, M. K. (2013). Using field experiments in environmental and resource economics. Working Paper 19289, National Bureau of Economic Research.
- Noussair, C. N. and van Soest, D. P. (2014). Economic experiments and environmental policy. *Annual Review of Resource Economics*, 6(1):319–337.
- Nyborg, K. and Rege, M. (2003). Does public policy crowd out private contributions to public goods. *Public Choice*, 115(3-4):397–418.
- Perman, R., Ma, Y., Common, M., Maddison, D., and McGilvray, J. (2011). *Natural Resource and Environmental Economics*. Pearson Education, Harlow, 4rd edition.
- Requate, T. (2005). Dynamic incentives by environmental policy instruments – a survey. *Ecological Economics*, 54(2-3):175–195.
- Traeger, C. P. (2014). On option values in environmental and resource economics. *Resource and Energy Economics*, 37(0):242–252.
- Weitzman, M. L. (1974). Prices vs. quantities. *The Review of Economic Studies*, 41(4):477–491.