

LB0110 & FÖ0462
Environmental Economics and Management 15 HEC
Course Program
(subject to minor changes)

Course leader Kostas Karantininis [KK] karantininis.konstantinos@slu.se
Department of People & Society, SLU
Course period 3a & 3b: 18/Jan/21-23/Mar/21
Teachers [KK], Robin Meijer [RM] Rodomiro Ortiz [RO], Doctoral students [PHD]

Course Objectives

This course consists of two parts:

Environmental economics. *This concerns the **impact** of the economy on the environment, the **significance** of the environment to the economy, and the appropriate way of **regulating** economic activity so that balance is achieved among environmental, economic, and other social goals. (Kolstad, 2011)*

Business management & strategy. *The course deals with how firms can incorporate environmental and sustainability issues into their managerial decisions and business strategy.*

The aims of the course are twofold:

On one hand to provide with the necessary knowledge of basic economic principles, models and tools to understand and analyse environmental issues relevant to agriculture and food production.

On the other hand the course aims to provide with the fundamental principles of business management and strategy of environmental quality and sustainability.

On completion of the course, students will be able to:

- understand the concepts of efficiency and economic welfare and apply them to analysis of environmental quality
- compare different methods for valuation of the environment
- understand the foundations of cost – benefit analysis
- understand the relation between agriculture, the environment and climate change
- understand different environmental policy instruments
- understand the basic instruments of EU environmental and climate policies
- understand and apply principles of sustainable strategy, management, entrepreneurship, sustainable business models and green marketing

Reading List

- [BOC] Bocken, N. M., et al. (2014). "A literature and practice review to develop sustainable business model archetypes." *J. of Cleaner Production* 65: 42-56
- [E&B] Epstein, M. J. and A. R. Buhovac (2014). *"Making sustainability work: Best practices in managing and measuring corporate social, environmental, and economic impacts"*, Berrett-Koehler Publishers.
- [EEA] European Environmental Agency. 2019. *"Climate change adaptation in the agriculture sector in Europe"*. 1994-2019EEA Report No 04/2019
- [F&F] Field, B. C. and M. K. Field. 2017. *"Environmental economics: an introduction"*. 7th Ed. McGraw-Hill.
- [O&P] Osterwalder, A. and Y. Pigneur (2010). *Business model generation: a handbook for visionaries, game changers, and challengers*, John Wiley & Sons
- [P&K] Porter, M. E. and M. R. Kramer (2006). *"The link between competitive advantage and corporate social responsibility."* *Harvard business review* 84(12): 78-92.
- [P5F] Porter, M. E. (2008). *The Five Competitive Forces That Shape Strategy* (HBR)
- [PST] Porter, M. E. (2000). *"What is strategy?"* *Harvard business review*.
- [S&H] Slaper, T. F. and T. J. Hall (2011). *"The triple bottom line: What is it and how does it work."* *Indiana business review* 86(1): 4-8.

Background and further readings

- [GM] Gregory Mankiw. 2001. *"Principles of Microeconomics"*. 2nd ed. Harcourt College Publishers/Harcourt, Inc., Ft. Worth, TX, Philadelphia, PA
- Dennis, C., et al. (2005). *"Green marketing: legend, myth, farce or prophecy?"* *Qualitative market research: an international journal*.
- Epstein, M. J. and A. R. Buhovac (2014). *Making sustainability work: Best practices in managing and measuring corporate social, environmental, and economic impacts*, Berrett-Koehler Publishers.
- Harrington, W. and R. D. Morgenstern (2007). *Economic incentives versus command and control: What's the best approach for solving environmental problems?* *Acid in the Environment*, Springer: 233-240.
- Kolstad, Charles, 2011. *"Intermediate Environmental Economics: International Edition,"* OUP Catalogue, Oxford University Press. 2nd Ed.
- Morgenstern, R. D. (1998). *The benefits and costs of air pollution control. Studies in Environmental Science*. T. Schneider, Elsevier. 72: 541-556.
- Viscusi, W. K. (2012). *"What's to know? Puzzles in the literature on the value of statistical life."* *Journal of Economic Surveys* 26(5): 763-768

Teaching Schedule

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COMPULSORY

Week	Date	Day	Time	Teache	zoom
1	19/i	Tue	09.15-12.00	Introduction to the course	KK https://slu-se.zoom.us/j/65927954428
	21/i	Thu	09:15-11:00	Environmental Economics	KK https://slu-se.zoom.us/j/63372296836
	22/i	Fri	09:15-11:00	Green Revolution in Peru	RO https://slu-se.zoom.us/s/62716762263
	22/i	Fri	11:15-12:00	Green Revolution in Peru	RO https://slu-se.zoom.us/s/63423157840
2	26/i	Tue	09.15-12.00	Economic Principles	KK
	28/i	Thu	09:15-12:00	Economic Principles	KK
3	2/ii	Tue	09.15-12.00	Cost-Benefit Analysis	KK
	4/ii	Thu	09:15-12:00	Environmental Policy	KK
4	9/ii	Tue	09.15-12.00	Climate Change	KK
	11/ii	Thu	09:15-12:00	EU Environmental & Climate policy	KK
5	16/ii	Tue	09.15-12.00	Sustainable Development Goals	KK
	17/ii	Wed	09:15-12:00	Sustainable production from an international research perspective	PHD
	18/ii	Thu	09:15-12:00	Student workshop	
6	23/ii	Tue	09.15-12.00	Business strategy & Environment	KK
	25/ii	Thu	09:15-12:00	Business strategy & Environment	KK
7	2/iii	Tue	09.15-12.00	CSR & the environment	KK
	4/iii	Thu	09:15-12:00	Sustainable Business models	KK
8	9/iii	Tue	09.15-12.00	Agroecology & sustainability	RM
	11/iii	Thu	09:15-12:00	Agroecology & sustainability	RM
9	16/iii	Tue	09.15-12.00	Student workshop	
	18/iii	Thu	09:15-12:00	Student workshop	
10	23/iii	Tue	09.15-17.00	Examination	