

FÖ0471

Environmental Economics and Management 15 HEC

Course Program

(subject to minor changes)

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Course period 3a & 3b: 17/Jan-23/Mar/2022

Course Schedule: **Lectures:** Monday, Tuesday, Thursday 09:00-12:00
 All lectures will be available on ZOOM
Mondays – on-campus location – in person + ZOOM

Compulsory Attendance: Tue/18/Jan/2022/09:00-12:00 & Week 11 (21-25/mar)

Evaluation	Assignments	3x15%	45%
	presentation	1x15%	15%
	Paper Project (team)	1x40%	40%

-Assignments: Calculations and interpretations of environmental costs, and Cost-Benefit analysis

-Presentation: Critical review & presentation of one assigned scientific paper

-Paper Project: One written paper & in-class presentation of a paper on an environment-related topic. Team work. More details in the class
 Papers will be presented during the last Week 11 (21-25/mar)

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. This part of 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 (Subject to minor adjustments)

- [BSR] Bocken, N. M., Short, S.N, & Rana, S. (2014). A literature and practice review to develop sustainable business model archetypes. *Journal of Cleaner Production*, 65, 42-56
- [COP] COP26 Explained (2021)
- [EEA] European Environmental Agency. (2019). *Climate change adaptation in the agriculture sector in Europe*. EEA Report No 04/2019
- [F&F] Field, B.C., & Field, M.K. (2017). *Environmental economics: an introduction*. 7th Ed. McGraw-Hill.
- [O&P] Osterwalder, A., & Pigneur, Y. (2010). *Business model generation: a handbook for visionaries, game changers, and challengers*, John Wiley & Sons
- [P&K] Porter, M. E., & Kramer, M. R. (2006). The link between competitive advantage and corporate social responsibility. *Harvard Business Review* 84(12): 78-92.
- [P&L] Porter, M.E., & van der Linde, C. (1995). Toward a New Conception of the Environment-Competitiveness Relationship. *Journal of Economic Perspectives* 9(4), 97-118
- [S&H] Slaper, T. F. & Hall, T. J. (2011). The triple bottom line: What is it and how does it work. *Indiana business review*, 86(1), 4-8.
- [SPC] SOPAC. (2012). Simple Introduction to Cost-Benefit Analysis. Report 84

Background and further readings (Subject to minor adjustments)

- [D&T] Dupont, C., & Torney, D. (2021). European Union climate governance and the European Green Deal in turbulent times. *Politics and Governance* 9(3), 312-315
- [DEG] Kallis, G., Paulson, S., D'Alisa, G., & Demaria, F. (2021). *The Case for Degrowth*. Cambridge, UK: Polity Press
- [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.
- [H&M] Harrington, W. & 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
- [KOL] Kolstad, C. (2011). "Intermediate Environmental Economics: International Edition," OUP Catalogue, Oxford University Press. 2nd Ed.
- [MNK] Mankiw, G. (2001). *Principles of Microeconomics*. 2nd ed. Ft. Worth, TX, Philadelphia, PA: Harcourt College Publishers/Harcourt, Inc.
- [P&C] Peattie, K., & Crane, A. (2005). *Green marketing: legend, myth, farce or prophesy?* Qualitative market research: an international journal.
- [P5F] Porter, M. E. (2008). The Five Competitive Forces That Shape Strategy. *Harvard business review*
- [PST] Porter, M. E. (2000). What is strategy? *Harvard business review*.
- [TOL] Tollefson, J. (2021). Top climate scientists are skeptical that nations will rein in global warming. *Nature*, 599(7883), 22-24
- [UNE] UNEP. United Nations Environment Programme (2021). *Food Waste Index Report*. Nairobi.
- [VIS] 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
- [Y&S] Yang, H., & Suh, S. (2021). Economic disparity among generations under the Paris Agreement. *Nature communications*, 12(1), 1-7