

Module 40418 Foundations of Ecological Economics

Coordinator: Giuseppe Munda

Lecturers:

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- Giuseppe Munda, Giuseppe.Munda@uab.cat Office # B3-112 Departament d'Economia i Història Econòmica, Facultat d'Economia i Empresa, Tel: 935814104
- Jeroen van den Bergh, Jeroen.Bergh@uab.cat Office # QC/3099 ICTA, Escola Tècnica Superior d'Enginyeria, Tel: 935813747
- Jesús Ramos-Martín, Jesus.Ramos@uab.cat Office # B3-112 Departament d'Economia i Història Econòmica, Facultat d'Economia i Empresa, Tel: 935814104
- Kozo Mayumi, mayumi@ias.tokushima-u.ac.jp

Contents

The course will introduce the field of ecological economics, giving attention to theoretical, empirical and methodological issues. In particular, the course will include an overview of traditional topics of environmental economics and more recent developments within ecological economics.

Goals of the Seminar

At the end of the course the student is expected to have a good understanding of:

- i) The main themes, theories and methods addressed by ecological economics;
- ii) The basic literature regarding ecological economics;
- iii) The essential differences between the way environmental problems and solutions are approached in standard economics and Ecological Economics;
- iv) New methods that have been proposed by, and are applied within, ecological economics;

Teaching approach

Lectures, reading of key literature, discussions. Each lecturer will provide key readings for each of the sessions, through the Virtual Campus platform. You are advised to regularly check this platform.

Evaluation

Lecturers may ask for short written essays. Each lecturer will give his specific guidelines. A final written test, in ENGLISH language, will complement the evaluation.

Location and time of lectures

ICTA, Aula Collserola, Tuesdays and Wednesdays 10:00 – 13:00 h

Dates

09.11.10	Jeroen van den Bergh, Giuseppe Munda, Jesús Ramos-Martín,	Introduction to Ecological Economics
10.11.10	Jesús Ramos-Martín	Complexity and thermodynamics, and their relevance for ecological economics
16.11. 10	Joan Martínez-Alier	Societal metabolism and environmental conflicts
17.11. 10	Jesús Ramos-Martín	Accounting methods for societal metabolism (MFA, PIOTs, Virtual Water)
23.11. 10	Kozo Mayumi	Nicholas Georgescu-Roegen's Bioeconomics: An Introduction
24.11. 10	Kozo Mayumi	Two Entropy Theoretical Approaches to Sustainability: Georgescu-Roegen and Tsuchida
30.11. 10	Kozo Mayumi	Assessing alternative primary energy sources: an application of MuSIASEM to the feasibility of large scale agro-biofuels

01.12. 10	Kozo Mayumi	Multi-Scale Integrated Assessment of Societal and Ecosystem Metabolism
14.12. 10	Jeroen van den Bergh	Choice of environmental policy instruments
15.12. 10	Joan Martinez-Alier	Biodiversity : issues in valuation
21.12. 10	Joan Martinez-Alier	The notion of economic degrowth and its history in ecological economics
22.12.11	Jeroen van den Bergh	Economics of climate change and policy
11.01.11	Jeroen van den Bergh	Bounded rationality, evolution and innovation
12.01.11	Giuseppe Munda	Economic valuation: cost-benefit analysis
18.01.11	Giuseppe Munda	Natural resource economics
19.01.11	Jeroen van den Bergh	Spatial sustainability and trade: the ecological footprint
25.01.11	Jeroen van den Bergh	The growth debate: lecture and student debate
08.02.11	Jeroen van den Bergh, Giuseppe	FINAL WRITTEN TEST
10-13 h.	Munda, Jesús Ramos-Martín,	