



## Course Syllabus

<b>Course Code</b>	<b>Course Title</b>	<b>ECTS Credits</b>
MBAN-804DE	Environmental Safety and Natural Resources	7.5
<b>Prerequisites</b>	<b>Department</b>	<b>Semester</b>
None	School of Business	Fall, Spring, Summer
<b>Type of Course</b>	<b>Field</b>	<b>Language of Instruction</b>
Elective	Agricultural Economics	English
<b>Level of Course</b>	<b>Lecturer(s)</b>	<b>Year of Study</b>
2 <sup>nd</sup> Cycle	Prof. Philippos Karipidis	1 <sup>st</sup> or 2 <sup>nd</sup>
<b>Mode of Delivery</b>	<b>Work Placement</b>	<b>Corequisites</b>
Distance Learning	N/A	None

### Course Objectives:

The main objectives of the course are to:

- Issues of the exhaustion, degradation and sustainable exploitation of the natural resources.
- Interconnections between businesses of the agro–food sector and natural environment.
- Methods of economic evaluation of the environment.
- Formulation of strategies environmentally friendly to businesses and implementation of environmental management systems.
- Optimization in making environmentally sound decisions at the micro - and macro - level.
- Development and recording of national and corporate environmental information.
- The main environmental issues and the treatment options.

### Learning Outcomes:

After completion of the course students are expected to be able to:

- Interpret the issues of the depletion, degradation and sustainable management of the natural resources.
- Analyse the environmental problems caused by economic activities in agriculture, food and rural areas, and evaluate the policy responses.
- Analyse the environmental values and assess the environmental elements.
- Interpret the eco-design and eco-labelling of products, and undertake studies of the life cycle

analysis.

- Analyse the functions of the reverse supply chain and design or administers systems of the reverse logistics.
- Plan and evaluate environmentally friendly business strategies in conjunction with the implementation of environmental management systems.
- Evaluate the effectiveness and efficiency of enterprise policy and prepare reports of the environmental performance.
- Identify and interpret the conditions of optimization with economic and multiple criteria.
- Interpret environmental information at national and corporate level and contributes to the development and recording of them.
- Evaluate the response of the agri-food businesses to the requirements of environmental policy and propose the optimum solution.

**Course Content:**

1. Introduction to the environmental management
2. Environmental policy
3. Selection of tools of environmental policy
4. Methods of environmental assessment
5. Eco-centric approach in the management
6. Stakeholders
7. Environmental quality of the business
8. Eco-labeling
9. Optimisation and Sustainability
10. Recording of environmental information
11. Addressing environmental problems

**Learning Activities and Teaching Methods:**

Power point and articulate presentations, lectures, case studies and exercises.

**Assessment Methods:**

Exercises, Assignments, Final Exam

**Required Textbooks / Readings:**

Title	Author(s)	Publisher	Year	ISBN
Natural Resource and Environmental Economics	Perman R., Ma Y., Common M., Maddison D., Mcgilvray J.	Prentice Hall	2012	978-0321417534

**Recommended Textbooks / Readings:**

<b>Title</b>	<b>Author(s)</b>	<b>Publisher</b>	<b>Year</b>	<b>ISBN</b>
Environmental Management Accounting for Cleaner Production	Schaltegger S., Bennett M., Burrit L. R., Jasch C.	Springer	2010	978-90-481-8026-4
Sustainable Business Development – Inventing the Future through Strategy, Innovation, and Leadership	Rainey L. D.	Cambridge	2008	978-0-521-86278-3
Handbook of Agricultural Economics, V. 2A, Agriculture and its External Linkages	Gardner, B. and Rausser, G. Eds	Elsevier	2002	978-0-444-51080-8
Environmental Management and Business Strategy: Leadership Skills for the 21st Century	Piasecki B., Fletcher K., Mendelson F.	John Wiley & Sons, Inc.	1998	978-0471169727
Environmental & Natural Resource Economics	Tietenberg T., Lynne L.	Prentice Hall	2011	978-0131392571