

3.0 credits	30.0 h	1q
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Teacher(s) :	Bréchet Thierry ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	None
Aims :	<p>This course is designed for students in civil engineering (FSA) and management (Louvain School of Management, IAG). The basic concepts and tools of environmental economics are presented and much attention is devoted to the toolkits used in environmental management and their implications within the firm (taxes, tradable permits, voluntary agreements). The methods used to assess the impacts of environmental policies on the firm are discussed. This course is given under the Chair Lhoist Berghmans in Environmental Economics and Management. In particular, it promotes an interdisciplinary approach and does pay attention to the interplay between individual and collective interests when facing environmental issues.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Content :	<p>Content</p> <p>Module 1 General introduction</p> <p>Sect. 1 Objectives and structure of the course</p> <p>Sect. 2 A typology of environmental issues</p> <p>Sect. 3 The economic approach of the environment</p> <p>Sect. 4 Environment and sustainable development</p> <p>Sect. 5 Basics in microeconomic analysis</p> <p>Module 2 Theory of the environment</p> <p>Sect. 1 Welfare economics, basics</p> <p>Sect. 2 Externalities and pollution</p> <p>Sect. 3 Pareto optimality and externalities</p> <p>Sect. 4 Optimal pollution</p> <p>Module 3 Methods to evaluate environmental assets</p> <p>Sect. 1 Theoretical background</p> <p>Sect. 2 Method of travel expenditures</p> <p>Sect. 3 Method of hedonic prices</p> <p>Sect. 4 Method of contingent evaluation</p> <p>Module 4 Instruments for environmental policy</p> <p>Sect. 1 Institutional and market failures</p> <p>Sect. 2 A typology of instruments</p> <p>Sect. 3 Comparison of instruments</p> <p>Module 5 Tools, methods and model for policy assessment</p> <p>Sect. 1 A typology of tools, methods and models</p> <p>Sect. 2 Life cycle analysis</p> <p>Sect. 3 Macroeconomic models</p> <p>Sect. 4 Indicators of environmental performance</p> <p>Sect. 5 Cost-benefit analysis</p> <p>Sect. 6 The ExternE project</p>
Other infos :	None

<p>Cycle and year of study :</p>	<ul style="list-style-type: none"> > Master [120] in Computer Science > Master [120] in Mechanical Engineering > Master [120] in Mathematical Engineering > Master [120] in Civil Engineering > Master [120] in Biomedical Engineering > Master [120] in Electro-mechanical Engineering > Master [120] in Computer Science and Engineering > Master [120] in Electrical Engineering > Master [120] in Physical Engineering > Master [120] in Chemical and Materials Engineering > Master [120] in Ethics > Master [120] in Philosophy > Master [120] in Business engineering
<p>Faculty or entity in charge:</p>	<p>EPL</p>