

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
Faculty or entity in charge:	EPL

<b>Programmes / formations proposant cette unité d'enseignement (UE)</b>				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Biomedical Engineering	GBIO2M	3	-	
Master [120] in Mathematical Engineering	MAP2M	3	-	
Master [120] in Chemical and Materials Engineering	KIMA2M	3	-	
Master [120] in Mechanical Engineering	MECA2M	3	-	
Master [120] in Computer Science	SINF2M	3	-	
Master [120] in Civil Engineering	GCE2M	3	-	
Master [120] in Physical Engineering	FYAP2M	3	-	
Master [120] in Electro-mechanical Engineering	ELME2M	3	-	
Master [120] in Electrical Engineering	ELEC2M	3	-	
Master [120] in Ethics	ETHI2M	3	-	
Master [120] in Philosophy	FILO2M	3	-	
Master [120] in Business Engineering	INGE2M	5	-	
Master [120] in Business Engineering	INGM2M	5	-	
Master [120] in Computer Science and Engineering	INFO2M	3	-	