

3 credits

30.0 h

Q2

Teacher(s)	Gaspart Frédéric ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	In the first part, the course presents and discusses the theoretic fundamentals, necessary to apprehend the questions of environment and natural resources conservation and management (theory of the social welfare and of efficiency, public goods and externalities, property rights and cost-benefit analysis.) In the second part, the course presents and compares 1) the most common evaluation methods of damages and benefits to the environment and 2) the economical and statutory instruments of the environmental politics (standards, taxes, subsidies, tradable pollution permits.) In the third apart, the course approaches the questions of optimal resource allocation, distinguishing the renewable from the exhaustible resources. The course concludes on questions of sustainable development. Case studies, examples and exercises are used to illustrate the concepts and the methods studied.
Aims	<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>
Evaluation methods	Written exams, exercises. Students are allowed to consult their notes or additional material.
Teaching methods	Lectures and homeworks.
Content	<ol style="list-style-type: none"> 1. Individual choice, properties of individual demand, model of a private firm 2. General equilibrium : concepts, Edgeworth box, fundamental theorems of Welfare economics, transfer paradox 3. Competitive model with unilateral pollution (Pigou), inter-temporal free access (« Easter Island ») and privately owned resources (Hoteling's Law) 4. Strategic models of public goods, reciprocal pollution, Tragedy of the Commons (including the Coase solution and tradable permits) <p>Students receive periodically consolidation-and-discovery homeworks. Homeworks must be solved within ten days and are then discussed during the lectures.</p>
Inline resources	Icampus
Bibliography	Rien d'obligatoire. Divers articles ou manuels peuvent être conseillés à des étudiants pour des questions spécifiques.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Minor in Development and Environment	LDENV100I	3		