




5 credits	30.0 h	Q1
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Teacher(s)	Artige Lionel (compensates Belleflamme Paul) ;Belleflamme Paul ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	The course aims at analysing the mechanisms and institutions governing the production, use and diffusion of information and knowledge. It also aims at developing a rigorous economic analysis of a large set of issues surrounding intellectual property, R&D and innovation. In this field, the economic approach appears as fundamental as it focuses on markets, incentives and strategic interaction.
Aims	<p>Having regard to the LO of the programme, this activity contributes to the development and acquisition of the following LO:</p> <ul style="list-style-type: none"> • 1. Corporate citizenship <ul style="list-style-type: none"> • 1.1. 'Demonstrate independent reasoning, look critically ' • 2. Knowledge and reasoning <ul style="list-style-type: none"> • 2.1. Master the core knowledge of each area of management. • 2.2. Master highly specific knowledge ' • 2.3. Articulate the acquired knowledge from different areas • 2.4. Activate and apply the acquired knowledge ' • 3. A scientific and systematif approach <ul style="list-style-type: none"> • 3.1. Conduct a clear, structured, analytical reasoning ' • 3.2. Collect, select and analyze relevant information ' • 3.3. Consider problems using a systemic and holistic approach ' • 3.4. Perceptively synthesize 'demonstrating a certain conceptual distance ' • 3.5. Produce, through analysis and diagnosis, implementable solutions' 1 • 5. Work effectively in an international and multicultural environment <ul style="list-style-type: none"> • 5.2. Position ... the functioning of an organization, in its ...socio-economic dimensions' • 6. Teamwork and leadership <ul style="list-style-type: none"> • 6.1. Work in a team... • 8. Communication and interpersonal skills <ul style="list-style-type: none"> • 8.1. Express a clear and structured message' • 8.2. Interact and discuss effectively ' • 9. Personal and professional development <ul style="list-style-type: none"> • 9.1. Independent self-starter ' • 9.4. Quick study, lifelong learner ' <p>At the end of this course, the student will be able to:</p> <ol style="list-style-type: none"> 1. understand what sets innovation markets apart from other markets. 2. understand why markets often fail when it comes to produce information and knowledge. 3. understand why and how governments should intervene in such markets. 4. use the economic analysis in order to improve their understanding of a number of topical issues (e.g., the impact of patents and generic drugs on the fight against diseases like HIV/AIDS or malaria, software patents, piracy of digital goods, etc). <p>-----</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>

<p>Evaluation methods</p>	<p>Continuous evaluation</p> <ul style="list-style-type: none"> • Date: At each course • Type of evaluation: Course participation • Comments: <p>Evaluation week</p> <ul style="list-style-type: none"> • Oral: No • Written: No • Unavailability or comments: No <p>Examination session</p> <ul style="list-style-type: none"> • Oral: Yes (in French and in English) • Written: No • Unavailability or comments: No
<p>Teaching methods</p>	<p>The theoretical material is presented during the lectures. Students are asked to work in groups in order to apply the theoretical framework to specific case studies and/or to topical issues.</p> <p>In-class activities</p> <ul style="list-style-type: none"> • Lectures <p>At home activities</p> <ul style="list-style-type: none"> • Readings to prepare the lecture • Paper work • Students presentation
<p>Content</p>	<p>Summary, content and methods</p> <ol style="list-style-type: none"> 1. We introduce the main concepts and explain why activities generating information and knowledge are marred by three sources of market failures, which contribute to create a generic problem of appropriability. 2. We compare various public policy measures that are designed to alleviate this problem of appropriability. 3. We assess the effect of market structure on the incentives for R&D. 4. We study how patent protection should optimally be designed. In particular, we address the questions of the optimal length and breadth of patents. 5. We apply the previous general analyses to the specificities of the digital economy. Two topical issues are addressed: the piracy of digital products and the development of open-source software. <p>Content</p> <ul style="list-style-type: none"> • Information and appropriability • Market structure and incentives for R&D • Patents and efficiency • Intellectual property in the digital economy
<p>Bibliography</p>	<p>References : Provided during the class Lecture notes and Slides provided through Moodle</p>
<p>Other infos</p>	<p>Internationalisation</p> <ul style="list-style-type: none"> • international case study
<p>Faculty or entity in charge</p>	<p>CLSM</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Business Engineering	INGE2M	5		
Master [120] in Economics: General	ECON2M	5		
Master [60] in Economics : General	ECON2M1	5		
Master [120] in Business Engineering	INGM2M	5		