




5.00 credits	30.0 h	Q2
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Teacher(s)	Belleflamme Paul ;
Language :	English
Place of the course	Louvain-la-Neuve
Prerequisites	Intermediate Micro-Economics and Introductory Industrial Organization In addition, this course is reserved for students with a bachelor's degree in business engineering or students with equivalent quantitative method skills
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.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <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 systematific 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 • 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>Evaluation methods</p>	<p>The final grade in this course is based on grades in group coursework (50%), individual coursework (10%), and the final exam (40%).</p> <ul style="list-style-type: none"> • Group coursework. Each week, students present to the instructor the work they have achieved regarding the topic of the week. Marks are awarded for the overall group performance. Each group member is awarded the same mark, but individual penalties are imposed for unjustified absences during group presentations and blatant lack of participation in group work. • Individual coursework. Students are invited to deepen the knowledge acquired in the course through individual activities (whose specific format is determined at the start of the course). • Final exam. The final exam is a 2-hour, closed-book, written test covering the entire course. <p>Important note. The marks for the individual coursework are set once and for all (this part of the assessment cannot be retaken). However, students can retake an oral exam in August and, if the mark they obtained for the group coursework is below 10/20, replace it with an individual assignment (to be handed in August).</p>
<p>Teaching methods</p>	<p>The module follows an inverted classroom approach. Each topic is covered over the course of one week. At the start of the week, students work in groups and individually to deepen their knowledge of the topic by reviewing teaching materials made available online. At the end of the week, each group spends about one hour with the instructor to present the work they achieved during the week, debate case studies, and get further explanations about any unclear issues.</p> <p><i>Knowledge Objectives</i></p> <p>During the module, students will develop an understanding of the economics of innovation and intellectual property. They will be able to analyse business settings to understand the competitive and strategic implications of the digital economy, as well as the benefits and drawbacks of particular intellectual property approaches. They will also appreciate some strategic challenges that the economics of innovation and intellectual property present managers.</p> <p><i>Skill Objectives</i></p> <p>Students should develop the ability to:</p> <ul style="list-style-type: none"> • Improve diagnostic and analytical skills; • Enhance verbal skills via class and group discussions; • Build up critical thinking and interpretation skills; • Learn how to evaluate different strategic options; • Assess and resolve managerial challenges.
<p>Content</p>	<p>The course aims at analyzing the mechanisms and institutions governing the production, use, and diffusion of information and knowledge. It also aims to conduct a rigorous economic analysis of a broad range of issues related to intellectual property, R&D, and innovation. In this field, the economic approach is fundamental as it focuses on markets, incentives, and strategic interaction, which are crucial for innovation.</p>
<p>Inline resources</p>	<p>See the Moodle web site of the course.</p>
<p>Bibliography</p>	<p>All the teaching material is provided online.</p>
<p>Other infos</p>	<p>Use of Gen AI tools</p> <p>Students are encouraged to use generative AI (Gen AI) tools to enhance their assignments—such as for brainstorming, structuring work, improving language, or exploring new ideas—provided that the final submission reflects individual understanding and meets academic standards. All use of Gen AI tools must be clearly acknowledged: for every assignment where these tools were used, include a brief statement specifying which tool was used, how it was used, and for what purpose. Undisclosed or unauthorized use—such as submitting AI-generated content as original work without acknowledgment—will be treated as an academic integrity violation.</p> <p>Students remain responsible for critically evaluating any AI-provided output, ensuring accuracy, and complying with privacy guidelines by not submitting confidential data to AI platforms. If you are unsure about the acceptable use of AI in a specific assessment, please consult with the instructor first.</p>
<p>Faculty or entity in charge</p>	<p>CLSM</p>

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