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Teacher(s) :	Lateur Pierre ; Raucent Benoît ; Macq Benoît ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Inline resources:	http://icampus.uclouvain.be/claroline/course/index.php?cid=FSA0000
Prerequisites :	N.A.
Main themes :	#innovation #creativity #invention
Aims :	<p>This course contributes to learning outcomes 2, 3, 4, 5 of the targeted reference system of competences for EPL students.</p> <p>Learning outcomes of the course At the end of the training the students will be able to: Identify / evaluate / improve innovative / relevant / realistic idea by demonstrating leadership in an uncertain environment Develop and / or improve a product / service / technology following a rigorous innovation method Identify stakeholders / clients and assess their expectations Identify, mobilize and manage resources and networks needed to develop an innovation project (team, partners, consultants, means ...) Identify ways to have potential users acknowledge the benefit(s) of a project To communicate, evolve, work in a team and develop a project in a multicultural and multidisciplinary context -- Be creative and bold, dare to violate the customs and dominant practices, demonstrate initiative and risk-taking <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>
Evaluation methods :	Students will be evaluated based on their regular contribution to activities organized in the framework of this course (1/3 of the final grade). A jury will evaluate the final report and the quality of the defense (2/3 of the final grade).
Teaching methods :	This course consists of: two full days of kick-off to introduce students to innovative design, and a project spanning 10 weeks with weekly workshops from 6,15pm to 9,15pm every Monday. Throughout their project students will be supervised by professionals in the domain of innovation.
Content :	<p>This teaching is to make students aware of approaches such as Design Thinking, Lean startup and Effectuation. It also seeks the appropriation by the students of innovative design method such as TRIZ.</p> <p>Concretely, it includes the following:</p> <ul style="list-style-type: none"> · Clarification of a request or an issue · Finding solutions using methods promoting creativity · Prototyping solutions · Communication in the form of pitches <p>Project management in a multicultural context</p>
Bibliography :	All relevant documents will be made available on the Moodle platform
Other infos :	<p>This teaching is part of the TIIC module of the International Lhoist Berghmans Innovation Chair and aims to develop innovative ways of thinking in an international context. It is open to EPL master students graduating that same year as well as to students from other faculties in order to constitute multidisciplinary teams. It is a prerequisite for students that have chosen a master thesis with the innovation label. Finally, exchange students are welcome.</p> <p>A course description as well as conditions of admission may be obtained from the professors in charge of this course : benoit.raucent@uclouvain.be; benoit.macq@uclouvain.be, pierre.lateur@uclouvain.be</p>
Faculty or entity in charge:	EPL

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