UCLouvain

llsmf2018
2018

Technological and Quantitative Project (incl. Project Management)

10 credits	75.0 h	Q1

Teacher(s)	de Smet d'Olbecke Dimitri ;Fisette Paul ;Kolp Manuel ;Macq Benoît ;Nysten Bernard ;Paque Bernard ;Raucent Jean ;Semal Pierre ;
Language :	English
Place of the course	Louvain-la-Neuve
Aims	1 **During their programme, students of the LSM Master's in management and Master's in Business engineering will have developed the following capabilities'** **A SCIENTIFIC AND SYSTEMATIC APPROACH** • Conduct a clear, structured, analytical reasoning by applying, and eventually adapting, scientifically based conceptual frameworks and models,to define and analyze a problem. **INNOVATION AND ENTREPRENEURSHIP** • Initiale,develop and implement ideas around a newproduct, service, processor organizational structure, having evaluated the risks and remain pragmatic. **TEAMWORK AND LEADERSHIP** • Work in a team :Join in and collaborate with team members. Be open and take into consideration the different points of view and ways of thinking, manage differences and conflicts constructively, accept diversity. **PROJECT MANAGEMENT** **COMMUNICATION AND INTERPERSONAL SKILLS** • Express a clear and structured message, both orally and in writing in their mother tongue, in English and ideally, in a third language, adapted to the audience and using context specific communication standards. - - - - *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".*
Evaluation methods	The evaluation is made of two parts: the project part (2/3) and the project management part(1/3). The final grade is the simple weighted sum of these two grades. For the project management part, the grade is made of the group work grade (50%) and of the individual written exam grade (50%) if the exam is succeeded (>= 10/20). If the exam grade is not succeeded, the exam grade will constitute the final grade for the "project management part". • The group grade is made of several presentations/deliverables of equal weights spread over the complete semester. • The individual written exam takes place at mid-semester. For the project part, the evaluation method varies with the allocated project. All the information regarding the grading will be available during the second week of the semester on the Moodle pages linked to the project.
Teaching methods	**The projects will be allocated to the student groups based on their preferences.** • **Regarding the project itself, the teaching method will vary with the type of project that has been assigned to each student group. But in all cases, the students will deepen his/her knowledge in field of the project.** • **Regarding the project management part, the course will be structured along a set of lectures / exercises / guest speakers. The students will be asked to apply some of the main "project management" concepts to their own team and project. This could lead to presentations and/or reports.**
Content	**In this class, the students work in groups on one real-life project among a list of possible choices.** • **The real-life project leads to a physical prototype or/and a set of recommendations. Each project has its own requirements in terms of discipline, technology and methods.** • **The project work serves as a basis to experiment "Project management" tools and techniques.**

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The contents of this class can be split in two parts:

- **A set of lectures / exercices / readings / presentations / reports linked to the project to be made.**
- **A set of lectures / exercices / readings / presentations / reports linked to the area of Project Management.**

The goal of this course is to develop the following capabilites:

- **A SCIENTIFIC AND SYSTEMATIC APPROACH**

  Conduct a clear and structured analytical reasoning by applying, and eventually adapting, scientifically based conceptual frameworks and models, to define and analyze a problem.
- **INNOVATION AND ENTREPRENEURSHIP**

  Initiate, develop and implement ideas around a newproduct, service, processor organizational structure, having evaluated the risks and remain pragmatic.
- **TEAMWORK AND LEADERSHIP**

  Learn and apply the basics of team management.
- **PROJECT MANAGEMENT**

  Learn and apply the basics of project management
- **COMMUNICATION AND INTERPERSONAL SKILLS**

  Express, both orally and in writing, a clear and structured message adapted to the audience.

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<tr><td>Inline resources</td><td>

The Moodle platform will be used to exchange information between all the stakeholders of this course.

For all and for the "project management part":LLSMF2018 PM: Technological and Quantitative Project (incl. Project Management)

For those working the ELEC project:LLSMF2018_ELEC

For those working the IT projectLLSMF2018_IT - Technological Project (IT)

For those working the MATE projectLLSMF2018_MATR Technological Project: Materials and Processes

For those working the MECA project":LLSMF2018_MECA - Technological Project: Mechanics

For those working the OR project":LLSMF2018_OR_Project

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<tr><td>Bibliography</td><td>See the Moodle platform for the References.</td></tr>
<tr><td>Faculty or entity in charge</td><td>CLSM</td></tr>
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Business Engineering	INGM2M	10		🔍
Master [120] in Business Engineering	INGE2M	10		🔍