

SPIM 920 Research project

Master Degree : Mechanical Engineering and Material sciences

Reference number: SPIM 920

Title of the subject : Research project

Department : *Applied Mechanics and Mechanical engineering*

Coordinating lecturer : **Nathalie Sauer**, nathalie.sauer@univ.lorraine.fr

Course is given each year

Semester : *Autumn*

Total hours of classes : *30 h* ECTS Credits : 2

Teaching language : French or English.

The course is proposed in English for exchange students : Yes

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Course composition	Coef.	Number of hours				
		Lectures	Tutorials	Practicals	Others	
Research project		2		28		

Aim :

Students have to carry out a research project in collaboration with laboratories of the universities. Research projects are proposed by scientists, and the student will utilize his knowledge to work in a high-level scientific and technical environment, where innovative skill will be developed.

Prerequisites

Course syllabus

Rapid overview of how researches in a company and in a university are organized in France. How they interact ? How is the research strategy crucial for the future ?

Each student is involved in a research project in collaboration with some scientists in a laboratory. They will conduct a state of the art on a specific topic and develop some works (theoretical, simulation, experiments). At the end of the project, a report is delivered with a public defense.

Assessment system :

Continuous evaluation is generalized in this Master Degree. Students will obtain information concerning the evaluation at the beginning of each semester.

When not passed, a second exam is planned after the end of the semester so the student has a second opportunity to obtain the ECTS credit

Mark is a composite between evaluation elements, which are listed below. The relative percentage of each item is provided on due time.

Project

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The course syllabus, the academic weekly planning and the assessment system may be subject to variation. Modifications are dully announced in advance.