ENG-472(b) **Project in energy management and sustainability II**

Profs divers *

Cursus	Sem.	Type
Energy Management and Sustainability	MA2, MA4	Obl.
Hors plans	H	Opt.

Language of teaching	English
Credits	10
Withdrawal	Unauthorized
Session	Summer
Semester	Fall
Exam	During the semester
Workload	300h
Weeks	14
Hours	**10 weekly**
Project	10 weekly
Number of positions	

It is not allowed to withdraw from this subject after the registration deadline.

Summary

This is a continuation of the Project in energy management and sustainability I. Students must work in a team on multidisciplinary projects under the responsibility of a professor. The professor is in charge of guiding the student and acting as an advisor to enable him to choose his elective courses

Content

During this project the student will employ the acquired skills to solve a practical problem. He may need to work with students having various bachelor backgrouds. The topics of these projects are chosen amongst the research and development activities of one of the laboratories affiliated to the Energy Management and Sustainability section. The lists of projects are available on the Website of each of the laboratories of the Section.

Keywords

Multidisciplinary project, Application, Team work.

Learning Prerequisites

Required courses

Project in energy management and sustainability I

Recommended courses

The professor proposing the project is in charge of validating the prerequisites of the students and helping the students to make his choice of elective courses related to the project.

Learning Outcomes

By the end of the course, the student must be able to:

- Construct an original solution to new problem
- Develop a concept adapted to the specific problem
- Defend his solution

Transversal skills

- Assess one's own level of skill acquisition, and plan their on-going learning goals.
- Use a work methodology appropriate to the task.
- Evaluate one's own performance in the team, receive and respond appropriately to feedback.
- Communicate effectively, being understood, including across different languages and cultures.
- Write a scientific or technical report.
- Collect data.
- Resolve conflicts in ways that are productive for the task and the people concerned.
- Demonstrate a capacity for creativity.

Teaching methods

Project-based teaching

Assessment methods

The evaluation is done through two oral presentations and one written report as well as a presentation to all students in the class at the end of semester.