CIVIL-493

Optional interdisciplinary project

Profs divers *

Cursus	Sem.	Type
Civil Engineering	MA1, MA2, MA3, MA4	Opt.
Civil engineering minor	E, H	Opt.
Minor in Integrated Design, Architecture and Sustainability	E, H	Opt.

Language of teaching	English
Credits	4
Withdrawal	Unauthorized
Session	Winter, Summer
Semester	Fall
Exam	During the semester
Workload	120h
Weeks	14
Hours	**4 weekly**
Project	4 weekly
Number of positions	

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

Summary

Application of master's level knowledge to an academic project relating to the interdisciplinary aspects of civil engineering.

Content

This interdisciplinary project consists of treating a socio-economic problem, generally current, taking into account the following aspects: economic, legal, social, political, ecological, etc. The student can propose a subject to be treated with the agreement of the manager of the interdisciplinary project. He can also make his choice among the subjects proposed by the teachers. The work will be the subject of a dissertation which will highlight the methodology, the main results of the study and the opinion student staff. It will also contain a summary and a list of bibliographical references. An oral presentation in front of those responsible not only allows a debate on the theses presented, but also an oral expression exercise.

Learning Prerequisites

Recommended courses

Courses in the field of Society and environment.

Learning Outcomes

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

- Carry out an individual research project
- Apply skills in a specific subject
- Design a research
- Assess / Evaluate critically the results
- Compose a written project report
- Present a project orally for a scientific audience
- Develop an experience in a specific field
- Represent data consistently and effectively

Transversal skills

- Set objectives and design an action plan to reach those objectives.
- Use a work methodology appropriate to the task.
- Access and evaluate appropriate sources of information.
- Collect data.
- Evaluate one's own performance in the team, receive and respond appropriately to feedback.
- Communicate effectively with professionals from other disciplines.
- Write a scientific or technical report.
- Make an oral presentation.

Teaching methods

Project.

Assessment methods

Report and oral presentation.

Resources

Bibliography

Basic data file per project.

Moodle Link

- https://go.epfl.ch/CIVIL-493

Prerequisite for

Master project (PDM)