

## LFSAB1510

2013-2014

## Project 4 (in Civil Engineering)

Teacher(s):	Latteur Pierre ; Soares Frazao Sandra ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Bibliographic study and understanding of the problem as posed; setting up specifications Development of a methodology appropriately addressing the posed problem Development of a model (analytic, numerical, physical, etc.) Running simulations and performance evaluation Writing up a final report and verbal presentation  Examples of applications (the accent will be rotated through the years between hydraulics, soil mechanics and structures to sustain projects interest): Port facilities development Structural rehabilitation Seismic risk Onshore or offshore windmill'
Aims:	The skills addressed by « projects 4 » include on one hand transverse skills, common to all projects 4, and on the other hand disciplinary, technical skills that are specific to each engineering specialty.  Transverse skills:  Projects 4 aim at having students acquire transverse skills close to the engineering professionnal practice within a diverse disciplinary environment:
Evaluation methods :	The students present and defend their project in front of a jury consisting of the appointed professors and supplemented by the tutors having supervised the project.
Content:	Bibliographic study and understanding of the problem as posed; setting up specifications Development of a methodology appropriately addressing the posed problem Development of a model (analytic, numerical, physical, etc.) Running simulations and performance evaluation Writing up a final report and verbal presentation Examples of applications (the accent will be rotated through the years between hydraulics, soil mechanics and structures to sustain projects interest):  ' Port facilities development ' Structural rehabilitation ' Seismic risk ' Onshore or offshore windmill'
Other infos :	This course belongs to the set of courses « Project 4 » of the baccalaureate curriculum for civil engineers. Projects 4 share common transverse objectives but are offered under different versions to address disciplinary objectives specific to each major/minor branch of the programme. Each student chooses either the project offered by its Major, or that offered by its Minor, if elected.

## Université Catholique de Louvain - COURSES DESCRIPTION FOR 2013-2014 - LFSAB1510

Cycle and year of study:	> Bachelor in Engineering
Faculty or entity in charge:	GC