

LFSAB1509

Project 4 (in Computer Science)

4.0 credits

2013-2014

22.5 h + 22.5 h

า

2q

Teacher(s) :	Deville Yves ;
Language :	Français
Place of the course	Louvain-la-Neuve
Inline resources:	> http://icampus.uclouvain.be/claroline/course/index.php?cid=lfsab1509
Prerequisites :	algorithmics and data structures (LSINF1121 or equivalent), computer systems (LSINF1252 or equivalent), programming language concepts (LINGI1131)
Main themes :	For example, depending of the precis topic of the project: mobile computing, programming using a object-oriented language, protection and communication
	networking and communication, graphic interface, event-driven programming, client-server
Aims :	The skills that « projects 4 » aim to develop are on the one hand transversal skills which are commn to all projects 4, and on the other hand domain-specific skills connected with each specialisation. Transversal skills : Projects 4 aim at providing students with transversal skills close to the practice of engineering jobs within a multi-disciplinary context :
Evaluation methods :	The evaluation will focus on the software developed, its documentation, a project report and the oral presentation of the project including a demonstration of the software.

Teaching methods :	 The project will be done by group of students (4-5 students per group) Students will be encouraged to communicate in English on a technical theme, orally and/or in writing.
Content :	The software to be defined and designed will be linked to mobile computing. It will be implemented on a Smartphone or an Android type tablet The project will be opened. Each group will develop its own project and propose a schedule as well as intermediate steps An Agile Programming approach (iterative and incremental development) may be considered An open source approach will be followed, allowing a wide distribution of the software.
Other infos :	This course is part of the set of courses « Project 4 » in the bachelor in engineering programme. Projects 4 share common transversal objectives, but exist under different versions oriented towards specific disciplinary objectives, corresponding to the majors/minors of the programme. Each student chooses the project related either to his/her major or to his/her minor (if available).
Cycle and year of study :	 <u>> Bachelor in Engineering</u> <u>> Preparatory year for Master in Computer science</u> <u>> Bachelor in Computer Science</u>
Faculty or entity in charge:	INFO