linfo1002

2022

IT projects 2

5.00 credits	30.0 h + 30.0 h	Q2

Teacher(s)	Barbette Tom ;
Language :	French
Place of the course	Louvain-la-Neuve
Learning outcomes	
Evaluation methods	• Evaluation of individual and group participation during the year, based for instance (non-exhaustive) on the follow-up by the person from the teaching team delegated to follow up the group (15%). • Evaluation of the different phases of the project on the basis of written reports and documentation (65%). • Evaluation of the final phase of the project based on the oral presentation (10%). • Peer review assessment (10%). The weighting may be modified in the event of the student's non-effective participation in the work of the group as well as in the event of an insufficient or very insufficient individual mark. Students who fail in June will be able to redo an individual project during the summer. This project will count for 66% of the points, the 34% will remain the score obtained in June.
Teaching methods	Project learning in groups of multiple students. Each group will be followed by a member of the teaching staff.
Content	The course presupposes basic knowledge of the python programming language as seen in the LINFO1101 course. Students work in groups to solve more complex problems than those covered in the programming course. Each group will work on a unique project, but with several deadlines and intermediate developments. Generally speaking, students should learn to: • work effectively in a group • write correct programs • document their codes During the different phases, the following skills will be assessed: • write tests that validate the proper functioning of their programs • document their programs and associated testing • take a critical look at the work of other groups of students to help them improve (constructive peer-review) • evaluate the performance of their programs • find python libraries and modules that solve similar problems • compare the features and performance of different solutions to the same problem • document and analyze these differences in functionality and performance • build simple SQL queries
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Computer Science	SINF1BA	5		🔍