


5.00 credits

30.0 h + 30.0 h

Q1

Teacher(s)	Nijssen Siegfried ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<ul style="list-style-type: none"> • specification of user requirements, • designing multi-tier applications in a client-server environment • quality control of the system
Learning outcomes	
Evaluation methods	<p>The evaluation is done as follows:</p> <ul style="list-style-type: none"> • 2.5 % : step 1 of the preparatory project (0.5 points); • 15 % : the complete preparatory project (3 points); • 2.5 % : the specifications of the final project (0.5 points); • 80 % : the final project (16 points). <p>The evaluation of the final project is based on the realisation of the project, a written report and a presentation. After the presentation, an oral defense is an integral part of the evaluation of the project which can affect the grade received for the realisation of the project, the report and the presentation.</p> <p>The final project can also be done in the second session. It is allowed to do a new project, or to extend the previous project, but in this case the student is obliged to add extensions proportionally to the additional time that students in the second session have compared to the first session. It is obligatory to contact the professor before doing a project in the second session to determine the extensions that will be added. Otherwise the criteria remain unchanged.</p>
Teaching methods	<p>At the beginning of the course, the students work on a preparatory project to become familiar with the different technologies for programming on the web. These technologies will be introduced during lectures and using videos. If the health situation allows this, project assistance will be given on campus.</p> <p>Afterwards the students collaborate in groups on a larger web-based application, using the technology introduced at the beginning of the course.</p> <p>Troughout the course links to information on the web are provided, but it is expected from students that they actively search for additional information.</p>
Content	<ul style="list-style-type: none"> • creation of web pages: HTML, CSS • programming on the web: JavaScript • creation of a web server: NodeJS • databases: MongoDB • security in web applications: HTTPS, sessions, comptes • information retrieval • project management
Inline resources	https://moodle.uclouvain.be/course/view.php?id=3833
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Linguistics	LING2M	5		
Additional module in computer science	APPSINF	5		