linfo2349
2022

UCLouvain

Networking and security seminar

3.00 credits	30.0 h	Q1

Teacher(s)	Riviere Etienne ;Sadre Ramin ;
Language :	English > French-friendly
Place of the course	Louvain-la-Neuve
Main themes	The topics covered in the seminar will address Computer network and security. In particular, scientific articles are selected in these fields. On the one hand, students are confronted with problem of the quality of a scientific bibliography. Moreover, students read scientific literature (eg articles from international journals).

Learning outcomes	**At the end of this learning unit, the student is able to :**
	
	1 Given the learning outcomes of the "Master in Computer Science and Engineering" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes:
	
	    • INFO1.1-3
	    • INFO3.1, INFO3.2
	    • INFO5.3-4, INFO5.6
	    • INFO6.1, 6.4
	
	    Given the learning outcomes of the "Master [120] in Computer Science" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes:
	
	    • SINF1.M1
	    • SINF3.1, SINF3.2
	    • SINF5.3-4, SINF5.6
	    • SINF6.1, SINF6.3, SINF6.4
	
	    Student completing successfully this course will be able to
	
	    • establish the state of the art based on the scientific literature, when confronted with a research problem beyond his current knowledge,
	    • prepare a comprehensive report including a scientific bibliography and explaining its relevance to a theme,
	    • synthesize a scientific article by explaining the context, challenges, innovative results, potential applications as well as tracks for further work in the field,
	    • communicate orally the results of a research to a public of computer scientists not experts in the field,
	    • interact with a person who presents research results showing a critical and constructive look over the work presented.

Evaluation methods	The grade for this course is calculated as follows for the January session: 1. 10% (2/20) points for the active participation of the student in all group activities in class during the semester 2. 45% (9/20) points for the survey written by the student 3. 10% (2/20) points for the quality and relevance of feedback provided to other student authors on drafts of two other surveys, in the context of a peer-review activity 4. 30% (6/20) points for the individual presentation of a scientific paper 5. 5% (1/20) points for the quality and relevance of feedback provided to other student authors on drafts of two other individual presentations, in the context of a peer-review activity For the August session, 25% (5 points) for (1), (3), and (5) of the grade is kept from the January session and cannot be redone. The student submits a new survey and a new individual presentation and can update the grade for (2) the survey and (4) the individual presentation, but without benefitting from peer-reviewing of drafts of her/his work.
Teaching methods	This seminar consists of: • Writing a survey • Individual presentation of a scientific article Activities include interactive activities, personal work, and one-to-one meeting with the professors.
Inline resources	http://moodleucl.uclouvain.be/course/view.php?id=12895

Other infos	The research seminar should be followed the same year as the end of study work because it is a methodological support to its realization. It is not necessary to select the option corresponding to the seminar in order to participate.
Faculty or entity in charge	INFO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Computer Science and Engineering	INFO2M	3		🔍
Master [120] in Computer Science	SINF2M	3		🔍
Master [120] in Data Science Engineering	DATE2M	3		🔍
Master [120] in Data Science: Information Technology	DATI2M	3		🔍