




Teacher(s)	Riviere Etienne ;Sadre Ramin ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	<p>The topics covered in the seminar will address Computer network and security. In particular, scientific articles are selected in these fields.</p> <p>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).</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>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:</p> <ul style="list-style-type: none"> • INFO1.1-3 • INFO3.1, INFO3.2 • INFO5.3-4, INFO5.6 • INFO6.1, 6.4 <p>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:</p> <ul style="list-style-type: none"> • SINF1.M1 • SINF3.1, SINF3.2 1 • SINF5.3-4, SINF5.6 • SINF6.1, SINF6.3, SINF6.4 <p>Student completing successfully this course will be able to</p> <ul style="list-style-type: none"> • 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	<p>Writing the survey accounts for 45% of the points in the final grade. Students review also two surveys written by other participants. Reviews are individual and account for 10% of the points in the final grade.</p> <p>The active participation of students to group activities and to the seminar accounts for 10% of the points in the final grade.</p> <p>The individual presentation of a scientific paper accounts for 30% of the final grade. Students review also two presentations by other participants. Reviews are individual and account for 5% of the points in the final grade.</p> <p>For the second session, grades obtained for the reviews and participation will be kept and the survey and the presentation must be redone individually.</p>
Teaching methods	<p>This seminar consists of:</p> <ul style="list-style-type: none"> • Writing a survey • Individual presentation of a scientific article <p>Activities include interactive activities, personal work, and one-to-one meeting with the professors.</p>
Inline resources	http://moodleucl.uclouvain.be/course/view.php?id=12895
Other infos	<p>The research seminar should be followed the same year as the end of study work because it is a methodological support to its realization.</p> <p>It is not necessary to select the option corresponding to the seminar in order to participate.</p>

Faculty or entity in charge	INFO
-----------------------------	------

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