

5.00 credits

15.0 h

Q1

Teacher(s)	de Marneffe Marie-Catherine ;
Language :	French > English-friendly
Place of the course	Louvain-la-Neuve
Prerequisites	• A bachelor's degree • A solid foundation of general and computational linguistics • A solid knowledge of academic English
Main themes	The goal of the course is to explore recent research in the field of computational linguistics, focusing on how efforts in theoretical linguistics and computational techniques can complement each other. Topics can be adapted and/or given additional attention based on the interests of the participants. The course will cover both basic tutorial material and more advanced topics. Participants will be expected to read and discuss cutting edge research papers and to complete a term project. Students are encouraged to pursue term projects related to their own developing research interests.
Learning outcomes	At the end of this learning unit, the student is able to : 1 Read and synthesize cutting-edge research papers on a subfield of computational linguistics 2 Understand the current efforts and challenges in computational linguistics research 3 Present a research question, the research method and results in a written academic paper This learning unit contributes to the development and command of the following skills and learning outcomes of the ELAL programmes (ELAL learning outcomes)
Evaluation methods	The final grade is the mean of the grades obtained for the following 3 components: • Attendance and participation to lectures mandatory since lectures are collaborative and hands-on (20%) • A group research paper of 13 pages max. (with bibliography, but without appendices) to be submitted on the first day of the exam session (40%) • An individual oral exam with defense of the group research paper (40%) Course participation In accordance with Article 72 of the Règlement général des études et des examens (RGEE), the course instructor may propose to the examination board that a student be denied registration for the January or September exam if they have not participated regularly in learning activities and/or have failed to submit assignments within the required deadlines. Second exam registration In case of resit, the student will be assessed solely on the basis of a written exam, which will account for 100% of the final grade.
Teaching methods	The teaching method will be a mix of traditional lectures and exercises
Content	The course will introduce a problem in NLP on which students will work in small groups. The course will thus be co-constructed, taking into account the students' work.
Inline resources	https://moodle.uclouvain.be/course/view.php?id=10416
Other infos	Generative artificial intelligence (AI) must be used responsibly and in accordance with academic and scientific integrity practices. Given that scientific integrity requires sources to be cited, the use of generative AI must be explicitly and thoroughly acknowledged: the student is required to state (for example in a footnote) whether they used a generative AI (and which one) in writing their answers/term paper, specifying in what capacity the generative AI was used. The student remains responsible for the content of their work, regardless of the sources/references used. Any use of a generative AI for tasks prohibiting its use will be viewed as cheating.

Faculty or entity in charge	ELAL
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Linguistics	LING2M	5		