






In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits	22.5 h	Q2
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Teacher(s)	Fairon Cédric ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<p>Human science specialists are more and more often faced with situations where they have to work with large amounts of textual data (literary, historical or political texts, linguistic research data, etc.). Computer tools offer undeniable advantages for the analysis, organisation, sorting or formatting of this information. However, it is necessary to be able to master these tools and select an appropriate method.</p> <p>The aim of this course is to initiate students into programming and algorithmics through a programming language that is particularly suitable for text processing: Perl. Students will learn to solve increasingly complex problems and build computer programs that can analyse textual data.</p> <p>Students with experience in programming (NLP, computer data science, etc.) are not exempt from the course, but will receive more advanced exercises and specific support.</p>
Aims	<p>By the end of the course, students will be able to analyse a problem related to textual data processing and to design and build a computer program to address this problem. To do this, they will have gained a basic knowledge of algorithmics and programming and will be able to apply it on their own.</p> <p>¹ Students will also acquire more informed and more critical insight into how human science software works.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <ul style="list-style-type: none"> • Continuous assessment during term-time, based on participation in exercises (30% of the final grade); • Final programming project documented in a report and presented during an oral exam, plus completion of one or more programming exercises during this oral exam (70% of the final grade).
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Lectures; exercises completed during the course and in the form of home assignments.</p>
Content	Classes are divided between lectures presenting the tools and methods, and tutorials aiming to allow students to experiment with methods and software.
Inline resources	Course slides and supplementary, marked exercises are available on the Moodle platform.
Faculty or entity in charge	FIAL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in History of Art and Archaeology: Musicology	MUSI2M	5		
Master [60] in History of Art and Archaeology : General	ARKE2M1	5		
Master [120] in History of Art and Archaeology : General	ARKE2M	5		
Master [120] in French and Romance Languages and Literatures : French as a Foreign Language	FLE2M	5		
Master [120] in Data Science : Statistic	DATS2M	5		
Master [120] in Multilingual Communication	MULT2M	5		
Master [120] in History	HIST2M	5		
Master [120] in Interpreting	INTP2M	5		
Master [120] in Ethics	ETHI2M	5		
Master [120] in Linguistics	LING2M	5		
Master [120] in Philosophy	FILO2M	5		
Master [120] in Information and Communication Science and Technology	STIC2M	5		
Master [60] in History of Art and Archaeology: Musicology	MUSI2M1	5		
Master [60] in History	HIST2M1	5		
Master [120] in Translation	TRAD2M	5		
Master [120] in Ancient and Modern Languages and Literatures	LAFR2M	5		