

## Faculty of Arts and Letters



### FLTR2630 Introduction to automatic text processing

[30h] 3 credits

**Teacher(s):** Cédric Fairon  
**Language:** French  
**Level:** Second cycle

#### Aims

Specialists in social sciences are often faced with situations where they must work with large amounts of textual data (literary, historical, or political texts; linguistic research data, etc.). Computer tools offer undeniable advantages for the analysis, organization, sorting or formatting of this information. One should thus be able to master these tools and select an appropriate approach method. The aim of this course is to provide students with the key to choosing and using methods of analysis adapted to different contexts of textual data processing.

More specifically, the course aims to allow students to :

- 1) select, use, and possibly adapt or conceptualise specialised computer tools in the field of textual data processing;
- 2) perceive and criticise the particularities and limits of specialised software;
- 3) become acquainted with the intellectual procedure implied by recourse to data processing in the social sciences.

#### Main themes

The course describes different typical situations justifying recourse to computer analysis and presents the main steps of such analyses (analysis of needs, choice of software or of procedures answering to the identified needs, application of the elaborated analysis procedure).

Special attention will be paid to the practical application of this software through exercises on concrete cases : screening and formatting texts, finding and extracting information, statistical word processing, etc.

#### Content and teaching methods

Classes are divided between lectures presenting the tools and methods, and tutorials aiming to allow students to experiment with methods and software.

#### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Nil.

#### Programmes in which this activity is taught

<b>ISLE3DA/ME</b>	Diplôme d'études approfondies en philosophie et lettres (médiévisique)
<b>LING2MA</b>	Master en linguistique, à finalité approfondie en linguistique générale et appliquée
<b>LING2MS</b>	Master en linguistique, à finalité spécialisée en ingénierie linguistique

**Other credits in programs**

<b>HIST21</b>	Première licence en histoire	(3 credits)
<b>HIST22</b>	Deuxième licence en histoire	(3 credits)
<b>INFO23</b>	Troisième année du programme conduisant au grade d'ingénieur civil informaticien	(3 credits)
<b>LING2MA</b>	Master en linguistique, à finalité approfondie en linguistique générale et appliquée	(6 credits)
<b>LING2MS</b>	Master en linguistique, à finalité spécialisée en ingénierie linguistique	(6 credits)
<b>ROM21</b>	Première licence en langues et littératures romanes	(3 credits)