

Faculty of Arts and Letters



FLTR2620 Natural language processing

[30h] 3 credits

This course is taught in the 1st semester

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

Aims

The course will teach students the basic theory necessary to understanding the current objectives and issues of the automatic natural language processing (ANPL). At the same time, students will learn to analyse and explain the practical and technical limits that arise in the elaboration of computer systems aimed at language processing (problems of ambiguity, necessity of linguistic resource adaptability, multilingualism, etc.). By the end of the course, students will have received an overview of the "state of the art" in ANLP, be able to take a critical approach to ANLP applications, and have a general knowledge of the main theories in the field.

Main themes

The course begins with the architectural study of a complex automatic language processing system (recognition, analysis, generation). It continues with the study of the central linguistic theories and computer formalities of ANLP. Special attention is given to the presentation and analysis of real applications.

Content and teaching methods

The course is comprised of interactive lectures. A reading folder made up of specialised articles allows students to prepare for courses, which begin with a question and answer period.

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

Nil.

Programmes in which this activity is taught

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

Other credits in programs

HIST21	Première licence en histoire	(3.5 credits)
HIST22	Deuxième licence en histoire	(3.5 credits)
INFO23	Troisième année du programme conduisant au grade d'ingénieur civil informaticien	(3 credits)
LING21MA	Première année du master en linguistique, à finalité approfondie en linguistique générale et appliquée	(4 credits)
LING21MS	Première année du master en linguistique, à finalité spécialisée en ingénierie linguistique	(4 credits)
LING2MA	Master en linguistique, à finalité approfondie en linguistique générale et appliquée	(4 credits)
LING2MS	Master en linguistique, à finalité spécialisée en ingénierie linguistique	(4 credits)
ROM21	Première licence en langues et littératures romanes	(2.5 credits)