

5.00 credits

15.0 h

Q1

Teacher(s)	Dutoit Thierry ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	The main goal of this course is to provide students with a series of basic knowledge blocks, to give them a top-down view of speech processing. Instead of entering the details of each problem, we give a structured overview of the area. In that respect, the course is aimed at making students able to pass a technical job interview.
Learning outcomes	At the end of this learning unit, the student is able to : 1 At the end of the course, the student will be able to understand the basic concepts of speech processing; 2 Discuss the performances of speech processing applications (as well for speech synthesis applications as for voice recognition applications).
Evaluation methods	The written examination will be based on these objectives. No course notes will be available for this examination.
Teaching methods	The course is taught exclusively in person, allowing students to ask questions of the instructor and vice versa. Attendance is essential for proper assimilation of the material.
Content	The course is composed of 4 chapters : Introduction to signal and speech; Speech modeling, analysis and coding; Speech recognition; Speech synthesis.
Other infos	The course slides are available on Moodle
Faculty or entity in charge	ELAL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Additional module in computer science	APPSINF	5		
Master [120] in Linguistics	LING2M	5		