LCLIG2260

2015-2016

Introduction to speech processing

5.0 credits	15.0 h	1q

Teacher(s) :	Dutoit Thierry ;
Language :	Français
Place of the course	Louvain-la-Neuve
Prerequisites :	/
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.
Aims :	At the end of the course, the student will be able to understand the basic concepts of speech processing and to discuss the performances of speech processing applications (as well for speech synthesis applications as for voice recognition applications). *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".*
Evaluation methods :	The DVD part of the course contains a detailed list of practical objectives. The written examination will be based on these objectives. No course notes will be available for this examination.
Teaching methods :	The course is composed of an e-Learning part, available on DVD, complemented by a presential part, which makes it possible for students to ask questions to the professor (and vice-versa).
Content :	It is composed of 5 chapters : Introduction to speech, Speech modeling and analysis, Speech Coding, Speech recognitions, Speech synthesis.
Bibliography :	/
Other infos :	The course is available on DVD and is composed of 9 hours of video documents (10 to 15 minutes each) organized in Chapter through a web page. Students can see the powerpoint slides with a good definition, as well as videos of the professor. Each video is augmented with attached documents, available on the DVD. Multiple Choice Questions are also available, as well as open questions. Course notes are provided in the DVD.
Faculty or entity in charge:	LING

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in French and Romance Languages and Letters : General	ROM2M	5	-	
Master [120] in Ancient and Modern Languages and Letters	LAFR2M	5	-	
Master [120] in Linguistics	LING2M	5	-	
Master [120] in French and Romance Languages and Letters : French as a Second Language	FLE2M	5	-	