Degree Programme Table: Informatics: ILCC: Language Processing, Speech Technology, Information Retrieval, Cognition (MSc by Research) (Full-time) (PRMSCINFIL1F)

Option 1: As current DPT

Option 2: Only by permission of the Director of Teaching

Notes: Students must complete a total of 180 credits worth of courses, 150 of which have to be at level 11 or higher.

Compulsory courses

Doing research in NLP [level 11, 20 credits]   new courses
Group project in andvanced NLP [level 11, 20 credits]
Individual project in advanced NLP [level 11, 40 credits]
MSc Dissertation (Informatics) (INFR11077) [level 11, 60 credits]

Course options

Group A: Select between 20 and 40 credits in this group

Foundational courses in NLP:
Accelerated natural language processing
Machine learning and pattern recognition
Machine learning practical
Computer programming for speech and language processing   offered by PPLS
Speech processing
Introduction to phonology and phonetics
Introduction to morphology
Introduction to syntax

Group B: Select between 10 and 40 credits in this group

Specialist courses in NLP:
Natural language understanding, generation, and machine translation
Probabilistic modelling and reasoning
Neural information processing
Human-computer interaction
The human factor: working with users
Automatic speech recognition
Speech synthesis
Simulating language
Sentence comprehension
Discourse comprehension
Language production
Speech production and perception

Group C: Select between 0 and 20 points in this group

Level 9 to 11 courses in Schedules A to Q, T and W