COURSE DETAIL

FOUNDATIONS OF NATURAL LANGUAGE PROCESSING

Country
United Kingdom - Scotland

Host Institution
University of Edinburgh

Program(s)
Intern: Scotland,University of Edinburgh

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
153

UCEAP Course Suffix

UCEAP Official Title
FOUNDATIONS OF NATURAL LANGUAGE PROCESSING

UCEAP Transcript Title
NATURAL LANG PROC

UCEAP Quarter Units
8.00

UCEAP Semester Units
5.30

Course Description

This course covers some of the linguistic and algorithmic foundations of natural language processing (NLP). It builds on algorithmic and data science concepts developed in previous courses, applying these to NLP problems. It also equips students for more advanced NLP courses. The course is strongly empirical, using corpus data to illustrate both core linguistic concepts and algorithms, including language modeling, part of speech tagging, syntactic processing, the syntax-semantics interface, and aspects of semantic and pragmatic processing. The theoretical study of linguistic concepts and the application of algorithms to corpora in the empirical analysis of those concepts are interleaved throughout the course.

Language(s) of Instruction
English

Host Institution Course Number
INFR10078

Host Institution Course Title
FOUNDATIONS OF NATURAL LANGUAGE PROCESSING

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Informatics

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