COURSE DETAIL

NATURAL LANGUAGE PROCESSING
Country United Kingdom - England
Host Institution Imperial College London
Program(s) Imperial College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 159
UCEAP Course Suffix
UCEAP Official Title NATURAL LANGUAGE PROCESSING
UCEAP Transcript Title NATURAL LANG PROC
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

Students learn about the foundations, building blocks, and applications of Natural Language Processing (NLP), with an emphasis on approaches based on deep learning. They study the models used to represent words and word meanings. They then use these representations to study classification tasks (e.g. sentiment analysis) and tagging tasks (e.g. part of speech tagging). In addition students view languages as sequences of variable length, from pure language models to machine translation models. Finally students explore approaches that are based on modern neural machine learning algorithms, where linguistic information is provided by instances of uses of language.

Language(s) of Instruction
English

Host Institution Course Number
COMP70016

Host Institution Course Title
NATURAL LANGUAGE PROCESSING

Host Institution Course Details
https://www.imperial.ac.uk/computing/current-students/courses/70016/

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computing

Course Last Reviewed
2024-2025

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