

COURSE DETAIL

MACHINE LEARNING FOR NATURAL LANGUAGE PROCESSING

Country

Germany

Host Institution

Humboldt University Berlin

Program(s)

Humboldt University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Linguistics Computer Science

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

MACHINE LEARNING FOR NATURAL LANGUAGE PROCESSING

UCEAP Transcript Title

MACH LRNG LANG PROC

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

In this course, students apply their background in linguistics to the field of machine learning. The course provides an overview of the machine learning sub-field of natural language processing. Students delve into mathematical/computer science aspects of the topic and learn about different types of machine learning, neural networks, how to work with data, and specific implementations to the field of linguistics. Students may complete a final coding project that relates to the field of linguistics. The course also covers philosophical/ethical aspects of the field, and students discuss issues like ChatGPT and its implications on higher education, the job market, and more. Because this course is in the linguistics department, there will be a heavy emphasis on syntax/semantics, and students should have a strong linguistic knowledge.

Language(s) of Instruction

English

Host Institution Course Number

5250118

Host Institution Course Title

MACHINE LEARNING FOR NATURAL LANGUAGE PROCESSING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Studienabteilung (I), Studierendenservice (BUA)

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