

COURSE DETAIL

TEXT MINING: TRANSFORMING TEXT INTO KNOWLEDGE

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

122

UCEAP Course Suffix**UCEAP Official Title**

TEXT MINING: TRANSFORMING TEXT INTO KNOWLEDGE

UCEAP Transcript Title

TEXT MINING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces a variety of basic principles, techniques, and modern advances in text mining. Topics to be covered include basic natural language processing techniques, text representation, text classification, feature selection, text clustering and topic models, word embedding, deep neural networks and introduction to (large) language models. During the course, students actively learn how to apply text mining methods to data analysis and how to use them together with natural language processing and machine learning techniques on real data problems. The course has a strong practical focus: students gain hands-on experience in Python by applying the methods to real data during the course and interpreting the results. The course provides an understanding of the principles, problems, techniques, and solutions associated with text mining and to enable them to gain knowledge of how recent advances in text mining relate to innovative approaches to organizing, characterizing, finding and exploiting large amounts of textual information in the search for new knowledge. Assumed knowledge includes basic knowledge/motivation in programming and data science.

Language(s) of Instruction

English

Host Institution Course Number

202400006

Host Institution Course Title

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Host Institution Course Details

<https://osiris-student.uu.nl/onderwijscatalogus/extern/cursus>

Host Institution Campus

Utrecht University

Host Institution Faculty

Faculty of Social Sciences

Host Institution Degree
Host Institution Department
Course Last Reviewed 2025-2026

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