



# Exchange programme Vrije Universiteit

Vrije Universiteit Amsterdam - Exchange programme Vrije Universiteit - 2022-2023

## Exchange

Vrije Universiteit Amsterdam offers many English-taught courses in a variety of subjects, ranging from arts & culture and social sciences, neurosciences and computer science, to economics and business administration.

The International Office is responsible for course approval and course registration for exchange students. For details about course registration, requirements, credits, semesters and so on, please [visit the exchange programmes webpages](#).

# Text Mining for AI

Course Code	XB_0085
Credits	6.00
Period	P4
Course Level	300
Language Of Tuition	English
Faculty	Faculty of Science
Course Coordinator	prof. dr. P.T.J.M. Vossen
Examiner	prof. dr. P.T.J.M. Vossen
Teaching Staff	prof. dr. P.T.J.M. Vossen, dr. I. Markov
Teaching method(s)	Lecture, Seminar

## Course Objective

Knowledge and understanding: at the end of the course, students will be familiar with basic knowledge of some of the core aspects of Natural Language Processing, Linguistics and Text Mining: Rule-based systems, machine learning, text classification, sentiment extraction, entity recognition and topic modeling of text.

Applying knowledge and understanding: students will be able to implement NLP processing systems and modules and evaluate these.

Making judgements: students will have a basic understanding of the ethical and societal implications of the developments in NLP.

Communication skills: students will be able to write a scientific reports about an original research question in a group of students.

Learning skills: students will be trained in acquiring a set of complex NLP and text mining topics in a restricted period of time, come up with an original research question and perform the necessary (empirical) research.

Basic concepts from Linguistics and foundational concepts from Natural Language Processing. Skills to use, apply and critically assess text mining techniques. Adapt and build text mining techniques to specific target domains and applications.

## Course Content

Basic concepts from Linguistics and foundational concepts from Natural Language Processing. Skills to use, apply and critically assess text mining techniques. Adapt and build text mining techniques to specific target domains and applications.

## Additional Information Teaching Methods

Theoretical lectures and working group sessions

## Method of Assessment

Multiple choice exam on theory 60% and the group project report 40%.

## Entry Requirements

Programming in python

Recommended background knowledge

Programming in Python, using Github