

# COMP 550. NATURAL LANGUAGE PROCESSING.

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Credits: 3

Offered by: Computer Science (Faculty of Science)

Terms offered: Winter 2026

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## Description

An introduction to the computational modelling of natural language, including algorithms, formalisms, and applications. Computational morphology, language modelling, syntactic parsing, lexical and compositional semantics, and discourse analysis. Selected applications such as automatic summarization, machine translation, and speech processing. Machine learning techniques for natural language processing.

- Prerequisite(s): MATH 323 or ECSE 305, COMP 251 or COMP 252
- Restriction(s): Not open to students who have taken COMP 599 in 201509 or 201609.

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