

# COURSE DETAIL

## INTRODUCTION TO NATURAL LANGUAGE PROCESSING

**Country**

Hong Kong

**Host Institution**

Chinese University of Hong Kong

**Program(s)**

Chinese University of Hong Kong

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

118

**UCEAP Course Suffix****UCEAP Official Title**

INTRODUCTION TO NATURAL LANGUAGE PROCESSING

**UCEAP Transcript Title**

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**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course introduces the field of natural language processing. This course focuses on introducing what natural language processing is, the main concepts in natural language processing research, and the algorithm design of major natural language processing tasks. The setting of this course includes three parts. The first part is an introduction to the basic tasks and concepts in the field of natural language processing, such as parsers, language modeling, etc. The second part is about the main research methods of natural language processing, such as statistical learning methods and deep learning algorithms. The third part is an introduction to the research directions of natural language processing, such as the development of technologies of large language models.

### Language(s) of Instruction

English

### Host Institution Course Number

AIST3120

### Host Institution Course Title

INTRODUCTION TO NATURAL LANGUAGE PROCESSING

### Host Institution Course Details

[https://rgsntl.rgs.cuhk.edu.hk/aqs\\_prd\\_applx/Public/tt\\_dsp\\_crse\\_catalog.aspx](https://rgsntl.rgs.cuhk.edu.hk/aqs_prd_applx/Public/tt_dsp_crse_catalog.aspx)

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Computer Science & Engineering

### Course Last Reviewed

2025-2026

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