

Place: Room 107, New Building Time: 14:00-17:00 on Thursday

Chair: Dr. Lun-Wei Ku

Outline: This course first goes through the common background required in studying various NLP and IR techniques. Afterwards, algorithms for performing IR and NLP are introduced, and their associated applications then follow each of them respectively. Last, this course is concluded with some selected topics on social networks and deep learning for NLP.

Office hours: by appointment TA: Boaz (boaziko@gmail.com)

Grades: Exam 40% Class 10% Project 50%

Week	Date	Topics/Brief Description	Lecturers
1	2021/09/16 1300-1600	Course Introduction and Overview, and Basic Text Processing @online	Lun-Wei Ku
2	2021/09/23	Tokenization and POS Tagging @online	Hen-Hsen Huang
3	2021/09/30	FSA, Syntax and Parsing @online	Wei-Yun Ma
4	2021/10/07	N-gram Language Modeling @online	Hsin-Min Wang
5	2021/10/14	Text Classification and Clustering @online	
6	2021/10/21	Introduction to Spoken Language Processing @online	
7	2021/10/28 1300-1600	IE & IR Modeling @online	Lun-Wei Ku
8	2021/11/04 1300-1600	Evaluation, Relevance Feedback, Query Expansion	
9	2021/11/11 1300-1600	Final Project Proposal	
10	2021/11/18	Discourse Relation Analysis	Hen-Hsen Huang
11	2021/11/25	Semi-supervised Learning for NLP Tasks	
12	2021/12/02 1300-1600	Sentiment Analysis and Opinion Mining	Lun-Wei Ku
13	2021/12/09	Exam	-----
14	2021/12/16	From Opinion Mining to Financial Argument Mining	Lun-Wei Ku (with invited speaker)
15	2021/12/23	NLP in FinTech Applications	
16	2021/12/30	Lexical Semantics	Wei-Yun Ma
17	2022/01/06	Chatbots: Theory and Practice	
18	2022/01/13 1300-1600	Project Demo	Lun-Wei Ku
	2022/01/17	Prerequisite Exam on Programming	Chih-Yu Wang