

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

Chair: Dr. Hen-Hsen Huang

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

Grades: Exam 40% Class 10% Project 50%

Week	Date	Topics/Brief Description	Lecturers
1	2024/02/22	Course Introduction and Overview of NLP/IR	Hen-Hsen Huang
2	2024/02/29	Basic Text Processing	Hen-Hsen Huang
3	2024/03/07	FSA, Syntax and Parsing	Wei-Yun Ma
4	2024/03/14	N-gram Language Modeling	Hsin-Min Wang
5	2024/03/21	Text Classification and Clustering	
6	2024/03/28	Introduction to Spoken Language Processing	
7	2024/04/04	Holiday	-----
8	2024/04/11	IE & IR Modeling	Lun-Wei Ku
9	2024/04/18	Evaluation, Relevance Feedback, Query Expansion & Final Project Proposal	
10	2024/04/25	Sentiment Analysis and Opinion Mining	
11	2024/05/02	Discourse Analysis with LLMs	Hen-Hsen Huang
12	2024/05/09	NLP in Healthcare	
13	2024/05/16	Exam	-----
14	2024/05/23	From Opinion Mining to Financial Argument Mining	Hen-Hsen Huang (with invited speaker)
15	2024/05/30	NLP in FinTech Applications	
16	2024/06/06	Lexical Semantics	Wei-Yun Ma
17	2024/06/13	Chatbots: Theory and Practice	
18	2024/06/20	Project Demo	Hen-Hsen Huang