

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.

Grades: Exam 40% Class 10% Project 50%

Week	Date	Topics/Brief Description	Lecturers
1	2022/09/15 1300-1600	Course Introduction and Overview, and Basic Text Processing	Lun-Wei Ku
2	2022/09/22	N-gram Language Modeling	Hsin-Min Wang
3	2022/09/29	Text Classification and Clustering	Hsin-Min Wang
4	2022/10/06	Introduction to Spoken Language Processing	Hsin-Min Wang
5	2022/10/13 1300-1600	IE & IR Modeling	Lun-Wei Ku
6	2022/10/20 1300-1600	Evaluation, Relevance Feedback, Query Expansion	Lun-Wei Ku
7	2022/10/27 1300-1600	Sentiment Analysis and Opinion Mining < Webex >	Lun-Wei Ku
8	2022/11/03	Midterm Exam	-----
9	2022/11/10 1300-1600	Final Project Proposal	Lun-Wei Ku
10	2022/11/17	Tokenization and POS Tagging	Hen-Hsen Huang
11	2022/11/24	Discourse Relation Analysis	Hen-Hsen Huang
12	2022/12/01	Semi-supervised Learning for NLP Tasks	Hen-Hsen Huang
13	2022/12/08	FSA, Syntax and Parsing	Wei-Yun Ma
14	2022/12/15	Lexical Semantics	Wei-Yun Ma
15	2022/12/22	Chatbots: Theory and Practice	Wei-Yun Ma
16	2022/12/29	Final Exam	-----
17	2023/01/05	Project Demo	TA