

“Web and information retrieval (80240573)” Syllabus (2026 Spring) v1

Tuesday 13:30-15:55, (13:30-14:15, break; 14:20- 15:05; break; 15:10-15:55)

Acad. Week	Date	Topic	Content	Homework / interaction (subject to modifications)
2	3. 3	Introduction	Course intro, what is IR	
3	3. 10	IR techniques	Crawler, indexing, ranking	
4	3. 17	IR System evolution	IR history, general system architecture, Traditional, Neural models, and LLM-based IR systems	Group Organization and seminar selection start
5	3. 24	Evaluation	Evaluation: methodology; Consistency analysis; metrics (pre, recall, MAP, MRR, NDCG)	Group Organization and seminar selection end
6	3. 31	Recommendation	Tasks, Eva., Challenges: Cold start, Explainability, Fairness, Efficiency. Privacy.	Team organization and Workshop proposals
7	4. 7	LLM for Evaluation IR system exp guidance	LLM for Evaluation IR system exp guide (by TA, one section)	Workshop Proposal Deadline.
8	4. 14	Data Issues	Game with a Purpose	
9	4. 21	New generation IR	Three strategic reports (US, CN, AUS)	
10	4. 28	Seminar: LLM and Search		Team work
11	5. 5	National Holiday Seminar: LLM and Recom	(Move to someday later, probably May 9.)	Team work
12	5. 12	Seminar: New Researches on User Experiences	e.g. user understanding/modeling in LLM conversations	Team work
13	5. 19	Seminar: new IR tasks and scenarios	e.g. interdisciplinary research with other domains / science	Team work
14-16	5. 26, 6. 2, 6. 9	Workshop (3 weeks)	IR prototype system	Individual

Evaluation: Seminar (35%-40%), Workshop(60%-65%), Bonus (morning tea time presentation, best project, active QA).