

Course Outline

This outline provides an overview of the course topics and assignments by week. Please remember to check the calendar in Canvas for specific due dates. If there is a conflict between this summary and the Blackboard Calendar, it is the Calendar that is usually correct.

Each course module runs for a period of seven (7) days, i.e., one week. Due dates for readings and other assignments are referred to by the day of the module week in which they are due. For example, if a reading assignment is to be completed by Day 3 and the module started on Tuesday, then the reading assignment should be completed by Thursday or the 3rd day of the module.

Unless otherwise specified:

- Problem sets are due at 11:59pm on Day 7 of the module when they are assigned
- Programs are due at 11:59pm on Day 7 of the first, second, or third module from being assigned

Module	Dates	Topics	Assignments
1	Tue 8/30/22 - Mon 9/5/22	Course Overview & Boolean Retrieval	<ul style="list-style-type: none">• Read IIR Chapters 1 & 2, Lesk paper• Program #1• Problem Set #1
Labor Day – September 5th Work ordinarily due on the 5th will be due instead on the 6th (at 11:59pm)			
2	Tue 9/6/22 - Mon 9/12/22	Index Construction	<ul style="list-style-type: none">• Read IIR Chapters 3 & 4• Program #2• Problem Set #2
3	Tue 9/13/22 - Mon 9/19/22	Efficiency Issues	<ul style="list-style-type: none">• Read IIR Chapter 5• Problem Set #3• Research Paper Summary
4	Tue 9/20/22 - Mon 9/26/22	Vector Space Models	<ul style="list-style-type: none">• Read IIR Chapters 6 & 7, Salton and Buckley paper• Program #3• Problem Set #4
5	Tue 9/27/22 - Mon 10/3/22	Evaluation & Relevance Feedback	<ul style="list-style-type: none">• Read IIR Chapters 8 & 9, Voorhees paper• Problem Set #5• Class Project
6	Tue 10/4/22 - Mon 10/10/22	Advanced Retrieval Models	<ul style="list-style-type: none">• Read IIR Chapters 11 & 12, Clarke et al. paper• Problem Set #6
7	Tue 10/11/22 - Mon 10/17/22	Text Classification	<ul style="list-style-type: none">• Read IIR Chapters 13, 14, & 15• Program #4• Problem Set #7
8	Tue 10/18/22 - Mon 10/24/22	Multilingual IR	<ul style="list-style-type: none">• Read Kishida paper• Problem Set #8

Module	Dates	Topics	Assignments
9	Tue 10/25/22 - Mon 10/31/22	Web Search Part 1	<ul style="list-style-type: none"> • Read IIR Chapters 19 & 20 • Problem Set #9
10	Tue 11/1/22 - Mon 11/7/22	Web Search Part 2	<ul style="list-style-type: none"> • Read IIR Chapter 21 • Program #5
11	Tue 11/8/22 - Mon 11/14/22	NLP and IR	<ul style="list-style-type: none"> • Read Sanderson paper • Problem Set #10
12	Tue 11/15/22 - Mon 11/28/22	Distributed Processing & Multimedia Processing	<ul style="list-style-type: none"> • TBD
Fall Break -- November 21st to 27th			
13	Tue 11/29/22 - Mon 12/5/22	Exam	<ul style="list-style-type: none"> • Exam
14	Tue 12/6/22 - Mon 12/12/22	Class Projects	<ul style="list-style-type: none"> • Projects due • Project reviews due