

CS 730/830 Schedule, Spring 2025

revision of January 20

<http://www.cs.unh.edu/~rum1/cs730/>

lectures Tuesdays and Thursdays 8:10-9:30am in Parsons N114

recitations Fridays 3:10-4pm in Parsons N114

Week	Class	Date	Class topic	R&N	Assignment
1	1	Jan 21	problems in AI	2	
			<i>choosing what to do</i>		
	2	Jan 23	search	3	
2	3	Jan 28	heuristic search		asst 1: vacuum robot planner
	4	Jan 30	anytime, real-time		
3	5	Feb 4	motion planning	26.5	asst 2: better robot planner
	6	Feb 6	control	26.5.3	
4	7	Feb 11	games	5	asst 3: motion planner
	8	Feb 13	constraint satisfaction	6	
5	9	Feb 18	optimization		
			<i>knowing stuff</i>		
	10	Feb 20	propositional logic, SAT	7	asst 4: graph colorer
6	11	Feb 25	resolution, CNF		
	12	Feb 27	first-order logic	8	asst 5: SAT solver
7	13	Mar 4	resolution	9	
	14	Mar 6	other logics	10	asst 6: first-order logic unifier
			<i>more planning</i>		
8	15	Mar 11	planning	11	preliminary project proposal
	16	Mar 13	planning graphs		asst 7: theorem prover
	[no class Mar 18 and 20, no recitation Mar 21]				
9	17	Mar 25	non-forward planning		
	18	Mar 27	hierarchical planning		asst 8: general planner
10	19	Apr 1	Markov decision processes	17	full project proposal
	20	Apr 3	solving MDPs		
			<i>inferring stuff from data</i>		
11	21	Apr 8	supervised learning	19	asst 9: probabilistic planner
	22	Apr 10	naive Bayes		
12	23	Apr 15	RANSAC		asst 10: image classifier
	24	Apr 17	expectation-maximization	20	
13	25	Apr 22	particle filtering	14.5.3, 26.4	asst 11: shape finder
	26	Apr 24	hidden Markov models	14.3	
14	27	Apr 29	wildcard!		asst 12: robot localizer
	28	May 1	AI at UNH		
		May 2			poster presentations (noon-2pm)
		May 12			project write-up due (2pm, my office)

Reminders: No credit is given for late work.

You must be present for the project presentations.