Class number	Day	Date	General topic (schedule is tentative)	Specific topic	Required reading	Work due and exams
1	Mon	9/1	intro + classical search	elementary search algorithms	--	
2	Thu	9/4	classical search (Ch 3)	uninformed search	3.1-3.4	
3	Mon	9/8		informed search basics	3.5	
4	Thu	9/11		heuristics for informed search	3.6	
5	Mon	9/15	philosophy and ethics	can machines think?	Turing1950 + 1.1,1.2,1.4	
6	Thu	9/18	adversarial search (Ch 5)	minimax	5.1-5.2	
7	Mon	9/22		alpha-beta search	5.3	PA1
8	Thu	9/25		search cutoff	5.4	
9	Mon	9/29		stochastic games	5.5-5.7	
10	Thu	10/2		[lab day]		
11	Mon	10/6	other search techniques (Ch 4)	local search; search with non-determinism; partial observations	4.1, 4.3, 4.4	
12	Thu	10/9	philosophy and ethics	contemplating real AI	(movie in class)	PA2
13	Mon	10/13	[exam revision]			PP0
14	Thu	10/16	[exam]			E1
	Mon	10/20	[mid-term pause]			
15	Thu	10/23	knowledge representation and reasoning (Ch 7,8,9)	propositional logic	7.0-7.5.2, 7.7.0-7.7.1	
16	Mon	10/27		resolution	7.5.2	
17	Thu	10/30		first order logic	8.1-8.5	
18	Mon	11/3		inference in first order logic	9.1,9.2.1	
19	Thu	11/6	[paper presentations]			PP1
20	Mon	11/10				
21	Thu	11/13	probabilistic reasoning and machine learning (Ch 13, 14, 18, 21)	nearest neighbors + decision trees	18.1-18.3, 18.8.1 + MacCormick2012	PA3
22	Mon	11/17		Bayes networks	13.3-5, 14.1-2, 14.3 (skip continuous variables)	
23	Thu	11/20		neural networks	18.7 + MacCormick2012	
24	Mon	11/24		[no class]		FP1
	Thu	11/27	[Thanksgiving]			
25	Mon	12/1	philosophy and ethics + final project	Chinese room argument	Searle1980	PA4
26	Thu	12/4		[exam]		E2
27	Mon	12/8		contemporary ethical issues	see web page	
28	Thu	12/11		[lab day]		FP2
	Fri	12/19, 9a	[final project presentations]			FP3