Class number	Day	Date	General topic	Specific topic	Required reading	Work due and exams
1	Tue	8/30	intro + classical search	elementary search algorithms	--	
2	Fri	9/2	classical search (Ch 3)	uninformed search	3.1-3.4	
3	Tue	9/6		informed search basics	3.5	
4	Fri	9/9		heuristics for informed search	3.6	
5	Tue	9/13	philosophy and ethics	can machines think?	Turing1950 + 1.1,1.2,1.4	
6	Fri	9/16	adversarial search (Ch 5)	minimax	5.1-5.2	
7	Tue	9/20		alpha-beta search	5.3	PA1
8	Fri	9/23		search cutoff	5.4	
9	Tue	9/27		stochastic games	5.5-5.7	
10	Fri	9/30		[lab day]		
11	Tue	10/4	other search techniques (Ch 4)	local search; search with non-determinism; partial observations	4.1, 4.3, 4.4	
12	Fri	10/7	philosophy and ethics	contemplating real AI	(movie in class)	PA2
13	Tue	10/11		[exam revision]		PP0
14	Fri	10/14		[exam, covers classes 1-12]		E1
	Tue	10/18		[mid-term pause]		
15	Fri	10/21	knowledge representation and reasoning (Ch 7,8,9)	propositional logic	7.0-7.5.2, 7.7.0-7.7.1	
16	Tue	10/25		resolution	7.5.2	
17	Fri	10/28		first order logic	8.1-8.5	
18	Tue	11/1		inference in first order logic	9.1,9.2.1	
19	Fri	11/4		[lab day]		
20	Tue	11/8		[paper presentations]		PP1
21	Fri	11/11	probabilistic reasoning and machine learning (Ch 13, 14, 18, 21)	nearest neighbors + decision trees	18.1-18.3, 18.8.1 + MacCormick2012	PA3
22	Tue	11/15		Bayes networks	13.3-5, 14.1-2, 14.3 (skip continuous variables)	
23	Fri	11/18		neural networks	18.7 + MacCormick2012	
24	Tue	11/22	philosophy and ethics + final project	Chinese room argument	Searle1980	FP1
	Fri	11/25		[Thanksgiving]		
25	Tue	11/29		[exam revision]		PA4
26	Fri	12/2		[exam, covers classes 15-24]		E2
27	Tue	12/6		contemporary ethical issues	see web page	
28	Fri	12/9		[lab day]		FP2
	Fri	12/16, 2pm		[final project presentations]		FP3