Week number	Class number	Day	Date	General topic (schedule is tentative)	Specific topic	Required reading	Work due and quizzes (tentative except for quizzes and presentations)
1	1	Mon	8/30	intro + classical search	elementary search algorithms	--	
	2	Thu	9/2	philosophy and ethics	can machines think?	Turing1950 + 1.1,1.2,1.4	
2	3	Mon	9/6	classical search (Ch 3)	uninformed search	3.1-3.4	
	4	Thu	9/9		informed search basics	3.5	
3	5	Mon	9/13		heuristics for informed search	3.6	
	6	Thu	9/16	adversarial search (Ch 5)	minimax	5.1-5.2	PA1
4	7	Mon	9/20		alpha-beta search	5.3	
	8	Thu	9/23		[quiz]	--	Q1
5	9	Mon	9/27		search cutoff	5.4	
	10	Thu	9/30		stochastic games	5.5-5.7	
6	11	Mon	10/4	stochastic search (Ch 4)	local search; search with non-determinism	4.1, 4.3	
	12	Thu	10/7		partial observations; online search	4.4, 4.5	PA2
7	13	Mon	10/11	philosophy and ethics	contemplating real AI	(movie in class)	PP0 [added 9/30]
	14	Thu	10/14	knowledge representation and reasoning (Ch 7,8,9)	propositional logic	7.0-7.5.2, 7.7.0-7.7.1	PP1
8		Mon	10/18		[mid-term pause]	--	
	15	Thu	10/21		[quiz]	--	Q2
9	16	Mon	10/25		first order logic	8.1-8.5	
	17	Thu	10/28		inference in first order logic	9.1,9.2,9.5	
10	18	Mon	11/1	philosophy and ethics	Chinese room argument + contemporary ethical issues	Searle1980 + NYTimes article + Reuters article	PA3
	19	Thu	11/4	probabilistic reasoning and machine learning (Ch 13, 14, 18, 21)	nearest neighbors + decision trees	18.1-18.3, 18.8.1 + MacCormick2011	
11	20	Mon	11/8		[PP2 presentations]	--	PP2
	21	Thu	11/11		[PP2 presentations]	--	
12	22	Mon	11/15		Bayes networks	13.3-5, 14.1-2, 14.3 (skip continuous variables)	
	23	Thu	11/18		neural networks	18.7	
13	24	Mon	11/22		[quiz]	--	Q3
		Thu	11/25		[Thanksgiving]	--	
14	25	Mon	11/29	final project; other topics			PA4
	26	Thu	12/2				FP1
15	27	Mon	12/6		robotics (tentative guest lecture by Prof. Braught)		
	28	Thu	12/9				FP2
		Fri	12/17				FP3