CAP5600 Artificial Intelligence
Spring 2014

Tentative Schedule

WEEK #	WEEK OF	TOPIC	READINGS (plus additional papers)
1	Jan. 6	Course & project overview Introduction to AI: History, goals, fields, applications	Chapter 1
2	Jan. 13	Intelligent agents	Chapter 2
3	Jan. 20	Problem solving via searching	Chapter 3
4	Jan. 27	Heuristic & informed search techniques	Chapter 4
5	Feb. 3	Adversarial search	Chapter 5
6	Feb. 10	Constraint-satisfaction problems	Chapter 6
7	Feb. 17	AI applications: games	
8	Feb. 24	Knowledge-based agents Propositional logic	Chapter 7
9	March 3	Knowledge representation – first-order logic Inference in first-order logic	Chapters 8, 9
10	March 10	Spring Break ☺	
11	March 17	Knowledge-based systems AI applications: education	
12	March 24	Machine learning Neural networks	Chapter 18
13	March 31	Foundations of AI: Computational and philosophical issues	Chapter 26
14	April 7	Research presentations	
15	April 14	Conclusions and course summary Project wrap-up	Chapter 27
16	April 21	Final exam (take home)	
17	April 28	Final exam (take home)	