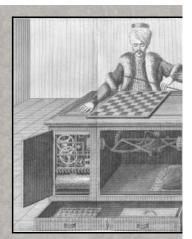
Syllabus

Home	Syllabus	Assignments	Reading
Links	Grading	Office hours	Prerequisites
Classnotes	Submissions	Collaboration	



Date	Topic	Reading	Homework
Introd	luction known and the second s	STERM PERCH	ELECTRICAL SERVICE
Sep 5th	What is artificial intelligence? [ppt]	C1.1 C1.4	
Probl	em solving		
Sep 10th	Uninformed search [ppt]	C.3	
	Depth first, breadth first, iterative deepening		
Sep 12th	Heuristic search [ppt]	C.4.1 - 4.3	HW1: Search
	Greedy, best first, A*		
Sep 17th	Heuristic search [ppt]	C. 4.5	
	Heuristic functions and examples		
Sep 19th	Search and applications [ppt] [ppt]	Paper	
	Machine Translation		
Sep 24th	Constraint satisfaction [ppt]	C. 5	HW1 due
	Solving crossword puzzles		
Game	Playing		
Sep 26th	Multi-party games and adversarial search [ppt]	C.6.1-6.4	
	SACACIE DO SACACIE DO SACA	EVERA BLAKA	HW 2: game playing
Oct 1st	Multi-party games and adversarial search [ppt]	C6.5-6.8	
Oct 3rd	Applications [ppt]	paper	
	Chess, card games		
Retro	spective		
Oct 8th	What makes a machine intelligent?	Turing test paper	
Empi	rical Methods		
Oct 10th	Uncertainty and Probabilistic Reasoning [ppt]	C.13	
Oct 15th	Bayesian networks [ppt]	C.14	
Mach	ine Learning		
Oct 17th	Machine Learning - Introduction [ppt]	paper	
Oct		C.18.1-	

22nd	Decision Trees [ppt]	18.2	
Oct 24th	Statistical learning and midterm review [ppt]	C.18.3- 18.6	HW 2 Due
Oct 29th	Class Cancelled - Fire alarm	1	
Oct 31st	Midterm		
Nov 7th	Support Vector Machines, Guest Lecturer: Jason Weston, NEC [pdf]	144	HW 3: Machine learning
Nov 12th	Applications and WEKA tutorial [KDD OVerview] [Task 3] [Weka]	C.20.2,20.4	
Nov 14th	Financial applications and tournament celebration [pdf]	C.10.1- 10.2	
Know	vledge Representation and Natural Language Processing		
Nov 19th	Frames, semantic nets and world knowledge [ppt]	C.10.3	
Nov 21st	Using knowledge for learning [Guest lecture on KR and narrative] [Important HW Guidelines]	paper	
	Applications to natural language		
Nov 26th	Other approaches to natural language processing [ppt]		HW 4: Knowledge representation
Nov 28th	Logic and inference [ppt]	C.7	
Dec 3rd	Logic and inference [ppt]	TA SE	HW 3 due
Adva	nced Topics		
Dec 5th	Robotics and Vision [Logic] [Vision]		
Dec 10th	Review [Review]		HW4 due

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