

Syllabus

Lecture topics subject to change as we begin the semester.

W	Date	Lecture Topic	Readings	Section
0	Th 8/27	1. Intro to AI pptx , pdf , recording	Ch. 1 & 2	N/A
	1	Tu 9/1	2. Uninformed Search pptx , pdf , recording	
		Th 9/3	3. A* Search and Heuristics pptx , pdf , recording	Ch. 3.5–3.6
		2	Tu 9/8	4. CSP I pptx , pdf , recording
Th 9/10			5. CSP II pptx , pdf , recording	Ch 6.2-6.5
3	Tu 9/15		6. Search with Other Agents I pptx , pdf , recording	Ch. 5.2-5.5 Note 3
	Th 9/17		7. Search with Other Agents II pptx , pdf , recording	Ch. 5.2-5.5, Ch. 16.1-16.3
	4	Tu 9/22	8. MDPs I pptx , pdf , recording	Ch 17.1-3 Note 4
		Th 9/24	9. MDPs II pptx , pdf , recording	Ch 17.1-3, Sutton and Barto Ch. 3 & 4
5		Tu 9/29	10. RL I pptx , pdf , Recording	Ch. 21, Sutton and Barto Ch. 6.1, 6.2 & 6.5 Note 5
		Th 10/1	11. RL II pptx , pdf , recording	Ch. 21
	6	Tu 10/6	12. RL III pptx , pdf , Recording	Ch. 21
		Th 10/8	13. Probability + BN: Intro pptx , pdf , recording	Ch 13.1-13.5 Note 6
7		Tu 10/13	14. BN: Representation pptx , pdf , recording	Ch. 14.1, 14.2, 14.4
		Th 10/15	Midterm (5-7pm)	

W	Date	Lecture Topic	Readings	Section
	8	Tu 10/20	15. BNs: Inference pptx , pdf Recording	Ch. 14.4
		Th 10/22	16. BN: Independence pptx , pdf , recording	Ch. 14.1, 14.2, 14.4
9		Tu 10/27	17. BN: Sampling pptx , pdf , recording	Ch. 14.4–14.5
		Th 10/29	18. Decision Networks / VPI pptx , pdf , recording	Ch. 16.5-16.6 Note 7
	10	Tu 11/3	19. HMMs pptx , pdf recording	Ch. 15.2-15.6 Note 8
		Th 11/5	20. Particle Filtering pptx , pdf , recording	Ch. 15.2, 15.6
11		Tu 11/10	21. ML: Naive Bayes archive pptx , archive pdf	Ch. 20.1-20.2.2 Note 9
		Th 11/12	22. ML: Perceptrons and Logistic Regression archive pptx , archive pdf	Ch. 18.6.3 & 18.8
	12	Tu 11/17	23. ML: Optimization and Neural Networks archive pptx , archive pdf	Ch. 18.6.3 & 18.8 Note 10
		Th 11/19	24. ML: Neural Networks II and IRL archive pptx , archive pdf	Ch 18.3, 18.7
13		Tu 11/24	Thanksgiving Break	
		Th 11/26	Thanksgiving Break	
	14	Tu 12/1	25. Advanced Topics archive pptx , archive pdf	
		Th 12/3	26. Advanced Topics	
15		Tu 12/8	RRR Week	
		Th 12/10	RRR Week	
	16	Tu 12/15	Finals Week	
		Wed 12/16	Final Exam (11:30am - 2:30pm)	