Lecture Schedule (subject to change. Last updated January 11, 2021)

Classes run from January 11 – April 16

Week	Dates	Readings
Introduction		
1	January 11, 13, 15	Introduction (Ch. 1). Omit 1.3.
2	January 18, 20, 22	Intelligent Agents (Ch.2). Single-Agent Rational Choice (Ch.16.1, 16.5). Overheads.
One-Shot Decision-Making		
3	January 25, 27, 29	Multiple Agents; Game Theory (3rd ed: Ch. 17.5.1, 4th ed: 18.2.1-2).
4	February 1, 3, 5	Multiple Agents ctd. (Nondeterministic Agents.)
5	February 8, 10, 12	Single Agent: Local Search. (Ch.4). Both editions: 4.1.1, 4.2
5	February 12	**Assignment 1 due**. On Ch.1, 2, Game Theory.
Sequential Decision-Making		
6	February 22, 24, 26	Single Agent: Search-and-solve. (Ch.3). 3rd ed: Omit: 3.4.2, 3.4.6, 3.5.3, 3.5.4., 3.6.3. 4th ed: Omit: 3.4.2, 3.4.5, 3.5.5. 3.5.6, 3.5.4., 3.6.3.
	February 15, 17, 19	Reading Week
7	March 1, 3, 5	Multiple Agents, Adversarial Search, Game Playing. Ch.17.5.2, 17.5.3, Ch.5). Omit 5.4.3, 5.6.
7	March 5	**Assignment 2 due**
Learning		
8	March 8, 10, 12	Decision Trees. 18.3.1-18.3.5.
9	March 15, 17, 19	18.7 Artificial Neural networks
Knowledge Representation and Reasoning: Probability		
10	March 22, 24, 26	Features for Natural Language Processing. Ch. 22.1-2. Reinforcement Learning. Ch. TBD
10	March 26	**Assignment 3 due.** On Ch. 18, NLP
11	March 29, 31	Uncertainty (Ch.13). Omit 13.6. Probabilistic Reasoning and Bayesian Networks (Ch.14). Omit 14.3, 14.4, 14.5, 14.7. Section 14.6 is optional.
12	April 7, 9	Learning Bayesian Network Parameters. Ch.20.1, 20.2.1. The Naïve Bayes Classifier. Ch. 20.2.2
13	April 12, 14, 16	Reinforcement Learning. Ch. TBD
13	April 16	**Assignment 4 due**
Summer term	May 10 1:30pm -2:30 pm PST	Review session (exams, assignments)