**Lecture Schedule** (subject to change. Last updated January 5, 2015.)

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| Week | Dates | | Readings | |
| 1 | Jan 7, 9 | | Introduction (Ch. 1). Omit 1.3. | |
| 2 | Jan 12, 14, 16 | | Intelligent Agents (Ch.2). Single-Agent Rational Choice (Ch.16.1, 16.5). Overheads. | |
| **One-Shot Decision-Making** | | | | |
| 3 | | Jan 19, 21, 23 | | Multiple Agents; Game Theory (Ch. 17.5). (Deterministic Environment.) |
| 3 | | Jan 26, 28, 30 | | Multiple Agents; Game Theory (Ch. 17.5). (Nondeterminism.) |
| 4 | | Feb 2, 4, 6 | | Single Agent: Local Search. (Ch.4). Omit 4.1.2, 4.1.3, 4.1.4, 4.4, 4.5. |
| 4 | | Feb 6 (tentative) | | Assignment 1 due. On Ch.1, 2, Game Theory. |
| **Sequential Decision-Making** | | | | |
| 5/6 | Feb 18, 20, 23 | | Single Agent: Search-and-solve. (Ch.3). Omit: 3.4.2, 3.4.6, 3.5.3, 3.5.4., 3.6.3. | |
| 6/7 | Feb 25, 27, March 2 | | Multiple Agents, Adversarial Search, Game Playing. Game Playing (Ch.5). Omit 5.4.3, 5.6. | |
| 7 | March 4, 6 | | Uncertainty (Ch.13). | |
| 7 | March 6 | | Assignment 2 due. On Ch. 4, 3, 5. | |
| **Knowledge Representation and Reasoning: Probability** | | | | |
| 8 | March 9, 11 | | Probabilistic Reasoning and Bayesian Networks (Ch.14). Omit 14.3, 14.4, 14.5, 14.7. Section 14.6 is optional. | |
| 8 | March 13 | | **Midterm** (On Ch. 1,2,3,4,5, 13, rational choice game theory) | |
| 9 | March 16, 18, 20 | | Probabilistic Reasoning ctd. (Ch.14). | |
| **Learning** | | | | |
| 10 | March 23, 25, 27 | | Learning. Ch.20.1, 20.2.1, 18.3.1-18.3.5.: | |
| 10 | March 27 (tentative) | | Assignment 3 due (on Ch. 14, 20). | |
| 11 | March 30, April 1 | | 18.7 (neural nets). Time permitting. | |
| **Knowledge Representation and Reasoning: Logic** | | | | |
| 12 | April 8, April 10 | | First-order logic (Ch.8). Time permitting. | |
| 13 | April 13 | | Final Exam Review. | |
| 13 | April 14 (tentative) | | Assignment 4 due (on Ch. 18, 8). | |
|  | Saturday! April 25 8:30 am! | | Final Exam | |