**Lecture Schedule** (subject to change. Last updated Nov 11, 2017)

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| Week | Dates | Readings |
| 1 | Jan 3, 5 | Introduction (Ch. 1). Omit 1.3. |
| 2 | Jan 8, 10, 12 | Intelligent Agents (Ch.2). Single-Agent Rational Choice (Ch.16.1, 16.5). Overheads. |
| **One-Shot Decision-Making** |
| 3 | Jan 15, 17, 19 | Multiple Agents; Game Theory (Ch. 17.5.1). (Deterministic Environment.) |
| 4 | Jan 22, 24, 26 | Multiple Agents; Game Theory (Ch. 17.6.1). (Nondeterminism.) |
| 5 | Jan 29, 31, Feb 2 | Single Agent: Local Search. (Ch.4). Omit 4.1.2, 4.1.3, 4.1.4, 4.4, 4.5. |
| 5 | Jan 31 (tentative) | **Assignment 1 due**. On Ch.1, 2, Game Theory. |
| **Sequential Decision-Making** |
| 6 | Feb 5, 7, 9 | Single Agent: Search-and-solve. (Ch.3). Omit: 3.4.2, 3.4.6, 3.5.3, 3.5.4., 3.6.3. |
| 7 | Feb 19, 21, 23 | Multiple Agents, Adversarial Search, Game Playing. Game Playing (Ch.17.5.2, 17.5.3, Ch.5). Omit 5.4.3, 5.6. |
| 7 | Feb 21 | **Deadline for forming assignment 3 groups** |
| **Learning**  |
| 8 | Feb 26, 28, March 2 | Learning. 18.3.1-18.3.5. Decision Trees. |
| 8 |  Feb 28 (tentative) | **Assignment 2 due**. On Ch. 4, 3, 5. |
| 9 | March 7, 9 | 18.7 Neural nets.  |
| 9 | March 5 | **Exam 1.** On Ch.1,2, game theory, single-agent search |
| **Knowledge Representation and Reasoning: Probability** |
| 10 | March 12, 14, 16 | Neural nets ctd.Features for Natural Language Processing. Ch. 22.1-2. Probabilistic Reasoning and Bayesian Networks (Ch.14). Omit 14.3, 14.4, 14.5, 14.7. Section 14.6 is optional. |
| 11 | March 19, 21, 23 | Bayesian Networks ctd. |
| 11 | March 21 (tentative) | **Group Assignment 3 due.** On Ch. 18, NLP |
| 12 | March 26, 28 | Learning Bayesian Network Parameters. Ch.20.1, 20.2.1 |
| 13 | April 4, 6 | Overflow. Time permitting: Logical Reasoning1 hour class. |
| 13 | April 4 (tentative) | **Assignment 4 due**. On Ch. 13, 14, 20 |
| 14 | April 9 | **Exam 2.** (On Ch. 5, 13, 14,20) |

Notes:

* First day of classes: W Jan 3
* Last day of classes: M April 9