|  |  |  |  |
| --- | --- | --- | --- |
| **Week** | **Week Beginning** | **Teaching and Learning Activity** | **Student Task or Assessment** |
| 1 | 27th Feb | **Lecture:** Introduction & the foundations of AI  **Online materials:** Introduction & the foundations of AI  **Tutorial:** The foundations of AI | Introduction & the foundations of AI - **online discussion**  **Readings** <Textbook Chapter 1 > |
| 2 | 6th Mar | **Lecture:** Intelligent Agents  **Online materials:** Intelligent Agents | Intelligent Agents  **Readings** <Chapter 2 > |
| 3 | 13th Mar | **Lecture:** Search – Uninformed  **Online materials:** Search - Uninformed  **Tutorial:** Search – Uninformed | Search – Uninformed  Search – Informed and Uninformed –  Assignment 1 released  **Readings** <Chapter 3 > |
| 4 | 20th Mar | **Lecture:** Search – Informed  **Online materials:** Search - Informed  **Tutorial:** Search – Informed | Search – Informed  **Readings** <Chapters 3 & 4 > |
| 5 | 27th Mar | **Lecture:** Adversarial Search  **Online materials:** Adversarial Search  **Tutorial:** Adversarial Search | Adversarial Search  **Readings** <Chapter 5> |
| **Easter Holiday period** | | | |
| 6 | 3rd/10th Apr (depends on which week break falls) | **Lecture:** Logic & Knowledge Representation  **Online materials:** Logic & Knowledge Representation  **Tutorial:** Logic & Knowledge Representation | Logic & Knowledge Representation  **Readings** <Chapter 7> |
| 7 | 17th Apr | **Lecture:** Propositional Logic  **Online materials:** Propositional Logic  **Tutorial:** Propositional Logic | Propositional Logic  Search – Informed and Uninformed –  **Assignment 1 submission**  **Mid-Semester Test**  **Readings** <Chapters 7>  **Propositional Logic –** **Assignment 2 released** |
| 8 | 24th Apr | **Lecture:** First-Order Logic  **Online materials:** First-Order Logic  **Tutorial:** First-Order Logic | First-Order Logic  **Readings** <Chapters 8 & 9> |
| 9 | 1st May | **Lecture:** Planning  **Online materials:** Planning  **Tutorial:** Planning | Planning  **Readings** <Chapter 10> |
| 10 | 8th May | **Lecture:** Probabilistic Reasoning and Bayesian Networks  **Online materials:** Probabilistic Reasoning and Bayesian Networks  **Tutorial:** Probabilistic Reasoning and Bayesian Networks | Probabilistic Reasoning and Bayesian Networks  **Readings** <Chapters 13 & 14> |
| 11 | 15th May | **Lecture:** Machine Learning and Adaptation Online materials: Machine Learning and Adaptation  **Tutorial:** Machine Learning and Adaptation | Machine Learning and Adaptation - online discussion  **Readings** <Chapters 18 & 19> |
| 12 | 22nd May | **Lecture:** Summary and Review Online materials: Summary and review  **Tutorial:** Reviews of tutorial material & Practice exam questions | **Propositional Logic – Assignment 2 submission** |
|  | May 29-June 16 | **Exam Period** | **Final Assessment Questionnaire** (to be announced by the university) |