Artificial Intelligence (CS303)

Course Information

Course Information

- **Instructors**

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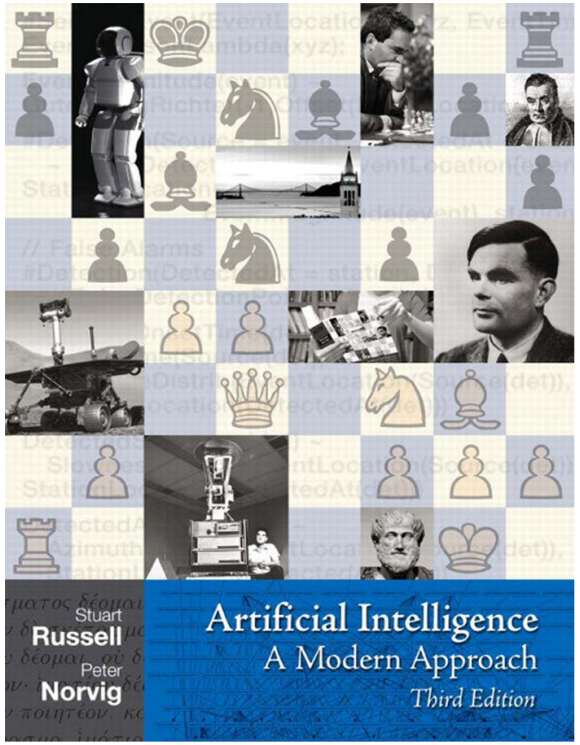
- **Tutors**
  - Teaching Assistants
- Please do **not** expect **immediate** response from us, although **we will do our best** to support your study as much as possible.

Course Information

- **Main reference**
  - **Artificial Intelligence – A Modern Approach (3rd Edition)**
  - S. Russel & P. Norvig
  - A big book (27 chapters)
  - Pre-knowledge: algorithm, data structure, complexity, calculus, probability, and linear algebra.



Course Information

- **Structure**
  - Introduction & Intelligent Agent
  - Uninformed Search & Informed Search & Local Search & Adversarial Search
  - Constraint Satisfaction Problems
  - Logic
  - Machine Learning (Concept & Linear Model & Neural Networks & Decision Tree & Naive Bayes & Ensemble & Clustering & SVM & RL)
  - Natural Language Processing
- **Projects**
  - 3 near-industry/academia-level projects

Course Information

- **Requirements**
  - Final Score depends on: **(final-exam) + (project + class performance)**
  - The weights are approximately **1 : 1**
  - Please **do not negotiate** for more scores (no matter for what reason), unless we make a mistake in calculating your scores.
  - Please join the Sakai site of this course: **CS303 fall2022**
  - Please join the QQ Group of this course: **573595614**
  - **Note**: The 3 projects are **crucial**.
    - e.g., if you never attend and submit only 1 out of 3 projects, you probably will fail.

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- **Projects**
  - 3 projects in total.
  - We can elaborate on the project requirements in lab, but will **not** provide technical support (you can search for and use any online materials though).
  - Please finish the 3 projects **independently** (good chance to practice/prepare for your postgraduate study or job).
  - Project report/program submitted **after the deadline** will be **marked 0**.
  - Discussions and sharing are encouraged, but duplicated submissions, either program or report, will be **marked 0** for all involved submissions.

About AI

- Is AI a threat to our humankind? **“The development of full artificial intelligence could spell the end of the human race.”** Prof. Stephen Hawking

- **AI is a flourishing and exciting field: everyone can contribute.**

- Looking forward for an exciting learning AI journey together!

To be continued