BB Collaborate Ultra lectures recorded live on
Mon  2 - 3 pm
Tue  9 - 10 am
Wed  10 - 11 am

In addition to Blackboard, keep an eye on the module webpage
https://www.scss.tcd.ie/Tim.Fernando/AI

for lecture slides, links and announcements.

The main topics are

- Background: AI & computation
- Search: blind & informed (A*)
- Q-learning & Markov Decision Processes
- Constraint Satisfaction & Knowledge Representation
- Bayesian & Markov networks
- Neural nets (time permitting)

Two useful textbooks are

Artificial Intelligence: A Modern Approach, by Stuart Russell and
Peter Norvig (4th edn, 2020)
aima.cs.berkeley.edu

and (building on familiarity with Prolog from CSU34011)

Artificial Intelligence: Foundations of Computational Agents, by
David Poole and Alan Mackworth (2nd edn, 2017)
artint.info/2e/html/ArtInt2e.html

Homework out in Weeks 3 and 8 (due 2 weeks later) will be worth 30% of your
final mark, leaving 70% for the 2-hour take-home exam.

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Instructor

1The following is based on what I know as of 17 January 2021, and is subject to change.