CS3061 Artificial Intelligence I

Mon	14-15	LB04 (Lloyd)
Tue	12-13	LB04
Wed	10-11	LB04

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 on AI & computation

- Search: blind & informed (A*)

- Q-learning & Markov Decision Processes

- Constraint Satisfaction & Knowledge Representation

- Bayesian and Markov networks

N.B. this list differs somewhat from previous years.

Two textbooks that might be useful are

> *Artificial Intelligence: A Modern Approach*, by Stuart Russell and Peter Norvig (3rd edn, 2010)
>
> available at Hamilton library

and (building on familiarity with Prolog from CS3011)

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

Coursework (to be announced) will be worth 10% of your final mark, leaving 90% for the exam. David Woods (dwoods@tcd.ie) is your demonstrator.

An attendance sheet will go around during each lecture. Please put your initials by your name if you want your presence noted. I will use the attendance record in borderline cases (moving you up, if you attend regularly).

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[1]The following is based on what I know as of 17 January 2019, and is subject to change.