CS3061 Artificial Intelligence I
HILARY 2019

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