CS3061 Artificial Intelligence I
HILARY 2018

Mon 14-15 LB 04 (Lloyd)
Tue 12-13 LB04
Wed 10-11 LB04

Keep an eye on the module webpage

https://www.scss.tcd.ie/Tim.Fernando/3AI

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 networks

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

Two textbooks that might be useful are

available at Hamilton library

and (building on familiarity with Prolog from CS3011)

Artificial Intelligence:, by David Poole and Alan Mackworth (2nd edn, 2017)
available at http://artint.info/2e/html/ArtInt2e.html

There will be two assessed pieces of coursework, to be assigned about two weeks before they are due. Each will be worth 5% 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 13 January 2018, and is subject to change.