CS4060 Knowledge Representation & Automata

HILARY 2019

Monday 11-12 1.20 Lloyd Institute
Wednesday 11-1 1.20 Lloyd Institute

A minimal webpage will be maintained in

https://www.scss.tcd.ie/Tim.Fernando/KRA

containing module materials, links and announcements. There is *no* guarantee that all relevant materials will end up there; come to class!

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).

Coursework (to be determined) will account for 10% of your mark, leaving 90% to the exam.

After some basic background on computation and AI, we will move to topics in Knowledge Representation & Automata including

- Description Logics
- Finite-state methods
- Action, change & time
- Trakhtenbrot’s & Fagin’s theorems

not necessarily in this order.

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1The following is based on what I know as of 17 January 2019. Please expect some details to change during the next 11 weeks.