CSU44060
Knowledge Representation & Automata

Semester 2 (Feb-Apr 2021)

BB Collaborate Ultra lectures recorded live on

Monday | 11 am - noon
Wednesday | 11 am - 1 pm

In addition to Blackboard, 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; attend the lectures!

Coursework (to be determined, but likely to consist of 2 pieces of homework, due a week or more after it is put out) will account for 30% of your mark, leaving 70% to the 2-hour take-home 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 2021, and is subject to change.