This is based on what I know as of Friday, 23 September 2016. Please expect some details to change during the next 11 weeks.

Schedule

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Building</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>10-11</td>
<td>LB1.20</td>
<td>Lloyd Institute</td>
</tr>
<tr>
<td>Monday</td>
<td>5-6</td>
<td>LB01</td>
<td>Lloyd Institute</td>
</tr>
<tr>
<td>Thursday</td>
<td>9-10</td>
<td>Synge</td>
<td>Hamilton</td>
</tr>
</tbody>
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After some general background on computation and AI,

Turing machines as agents and the Symbol-system hypothesis,

we will move to topics in Knowledge Representation & Reasoning including

- Action, change and time
- Ontologies
- Description Logics
- Semantic Web

not necessarily in this order.

A minimal webpage will be maintained in

http://www.scss.tcd.ie/Tim.Fernando/4AI/

containing some course materials. (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.

Tim.Fernando@tcd.ie
ORI LG.17

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1An introduction to Machine Learning and Natural Language Processing is offered in Hilary semester 2017. This sheet applies only to the first semester (Michaelmas 2016).