AI Large Practical

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School of Informatics

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▸ The official descriptor is on-line:

    http://www.drps.ed.ac.uk/17-18/dpt/cxinfr09043.htm

▸ There is no exam for this course;
assessment is entirely on your work during the practical, the
programs you write, and your reports of those programs.

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▶ This is a small introduction to research, which will involve:
  ▶ Understanding the problem
  ▶ Reading some associated literature
  ▶ Designing an extended computational system.
  ▶ Experimenting and evaluating.
  ▶ Writing a final report on your work,

Assignment	Issue	Due	Weight
A1	27 Sep	Fri 13 Oct, 16:00	0%
A2	4 Oct	Fri 11 Nov, 16:00	50%
A3	8 Nov	Wed 20 Dec, 16:00	50%

The final deadline allows for work to be done after all other coursework deadlines have passed. It should be possible to finish well before the AILP deadline above.

Lectures   Wednesday, 9:00 in AT 2.12,
             weeks 2,3,8,9 and possibly others

Lab drop-in sessions will be organised from week 3

Drop-in sessions allow you to ask questions about the assignments
in general, and about design and programming issues.

You are expected to budget your own time and pace your work to meet the deadlines.

BEWARE:
there will be other coursework deadlines falling towards the end of the semester. Remember that the AILP submissions count for more than coursework associated with courses with exams.

For most people, the period at the end of the semester will be free from other coursework deadlines.

▸ Email myself for any issues:
  smaill@inf.ed.ac.uk

  I will circulate where it is of general relevance.
▸ Does it make sense to have a student rep for the course?
  Volunteers?

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▶ We will have a Piazza forum associated with this course.

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▸ It's good to discuss problems and ways to solve them with others.
▸ But you must:
  ▸ Write your own code;
  ▸ Do your own experiments;
  ▸ Write your own report.

More discussion is at

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http://www.inf.ed.ac.uk/admin/ITO/
DivisionalGuidelinesPlagiarism.html
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▶ Argumentation involves making sense of arguments both for and against some claim or course of action.

▶ Examples:

  ▶ Choice of treatment for a patient;
  ▶ Choice of action by a governing body;
  ▶ Legal arguments for guilt or innocence;
  ▶ Individual choice of considered action

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  ▸ Legal arguments for guilt or innocence;
  ▸ Individual choice of considered action should I eat the whole tub of ice cream.

▸ Write down 3 examples of arguments.
▸ Reflect on your examples: do the arguments have internal structure, identifiable components?

- ▶ Work with a partner; one of you will be proponent, the other will be opponent.
- ▶ The proponent selects one of his/her examples from Exercise 1, and puts the argument forward. The opponent tries to rebut the argument with a counterargument.
- ▶ Now swap roles.

In the AILP, we look at something called the Carneades model of argumentation. This is partly motivated by the goal of representing legal arguments.

- ▶ What is the difference between arguments and legal arguments?
- ▶ Try to come up with a few examples of legal arguments.

▶ Arguments summarise evidence for and against particular conclusions, or courses of actions.

Any decision for one side or the other in an argument does not say that a truth has been discovered, but that one side has stronger evidence than the other.

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▶ Look at background paper by Douglas Walton on the background to Argumentation Theory in AI:

http:
//www.dougwalton.ca/papers in pdf/09ArgShort.pdf

▶ For the particular model of legal argumentation we start from: Thomas F. Gordon, Henry Prakken, and Douglas Walton (2007) The Carneades model of argument and burden of proof.

http://www.sciencedirect.com/science/article/pii/
S0004370207000677

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Take a look at the first assignment (not for credit).

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▸ Meet at 09:00, same venue;
▸ An early look at the second assignment (for credit)