

Teaching plan

I have experience in teaching computer science, the details are given here

<http://www.cs.caltech.edu/~bond/teach.html>

I have several courses already prepared.

At Caltech I've been teaching three courses which form a year-long sequence - CS101a, functional programming (Scheme, ML, April, lambda calculus, SECD etc.), then CS101b, logic programming (Prolog and AI in Prolog - planning, belief systems, natural language syntax), and then CS101c, intelligent multiagent programming (using Prolog and intermachine communication using sockets).

These courses are taught entirely using the web. You can access the course organization and material from my home webpage.

In Fall 2002, I started modifying CS101b to teach logic programming and its application to cognitive modeling. This is reflected in the web material.

Possibly using my BAD language, I could co-teach courses in cognitive psychology in which theories are presented as programs that can be run, and students can learn to express theories as programs and to test them against experiment. This could provide a powerful means to create working intellectual relationships between AI, cognitive psychology and neuroscience.

I can also teach a project course in system modeling of the primate brain. I have been doing this at Caltech, doing individual projects which are collaborations between me and the student. The Caltech course, CS286, has a website accessible from my webpage.

I will also be happy to play my part in teaching introductory courses.

Alan Bond
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