Fall 2007 Course Announcement

CSci 5512W: Artificial Intelligence II

Instructor: Arindam Banerjee

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Time/Place: T Th 9:45-11:00 am; EE/CSci 3-125
Course Number: 5525W

Overview: The course will focus on three main themes: 1) Graphical Models and Bayesian Networks, 2) Reinforcement Learning, and 3) Game Theory, with particular emphasis on statistical learning and inference, and applications to single-agent and multi-agent systems.

Text: Artificial Intelligence A Modern Approach, Stuart Russell and Peter Norvig. We may also use supplementary material (i) from other books, and (ii) lecture notes/technical handouts.

Course Work: There will be 3-4 homeworks, a mid-term exam, a class project and a take home final. The homeworks will involve computer assignments on applying and comparing the methods taught in class on small datasets, as well as technical arguments on properties and merits of the methods.