

Lecture 1: Advanced Artificial Intelligence

CS672

Professor Bart Selman

General Information

Where: TC 484

When: Tue, Thur 3:35–4:20

Professor: Bart Selman

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Office Hours: 4148 Upson TBA

General Information for CS672

Text:

Artificial Intelligence: A Modern Approach

Russell and Norvig, Prentice-Hall, Inc., 2001 (2nd ed.).

(background reading; v. good)

Artificial Intelligence: A New Synthesis

Nils Nilsson, Morgan Kaufmann 1998.

Assigned Readings:

Various research papers

Grade:

60% project —

various checkpoints

final in-class presentation & writeup

30% readings / assignments (“reaction essays”)

10% class participation

Today's Lecture

General Focus: Computational Issues in AI

Planning, Reasoning, & Learning.

Compute Intensive Methods in Artificial Intelligence

— The current frontier.

Challenges ahead.

— what makes AI problems hard?

Topics Outline