

CPE 480 – Artificial Intelligence

Midterm Exam Overview

The midterm exam will cover material from lectures 1-8. A majority of this material can be found in the textbook (aside from the PRM planning which will be on the exam) which can be used as a resource. Hence, read the text to help you understand the material. The corresponding chapters are noted on the lectures page.

Here are some tips:

- Be able to implement your algorithms (e.g. “For algorithm X, what is the next node to be expanded in the given tree.”)
- Understand the differences between agents
- Understand the differences between search strategies.
- Know how to do make a PAGE description
- I don’t expect you to memorize the history of AI, but note some of the key points.
- I don’t expect you to memorize complicated equations, but I do expect you to know simple ones like $f(n) = g(n) + h(n)$
- Know the BASICS! I always ask a couple questions like “What is a rational agent?”
- Finally, if the material is in my slides, it can be on the exam.

Old exams can be found at:

<http://www.csc.calpoly.edu/~fkurfess/Courses/CSC-480/F06/Exams/Exams.shtml>

Note that while I did not write these exams, they use a similar format to that which will be used on the exam. Hence, the exam will have 10 multiple choice questions, 2 short answer questions, and a longer graph search problem which has several sub-questions.

Also, unlike Prof. Kurfess’ exams, this exam will be closed book, no calculators.