
CIS 471/571 (Winter 2020): Introduction to Artificial Intelligence

Lecture 20: Exam Review

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Source: <http://ai.berkeley.edu/home.html>



Time and Location

- Time: 8 am – 10 am (120 minutes), March 19th, 2020
- Location: Take-home exam
- Calculator
- Submission: on Canvas
- You have 30 minutes after the exam period to upload your answers.

Topics

- Search
- Adversarial search
- Reinforcement learning
- Bayes Nets
- Hidden Markov models

Graph Search

- Uninformed search
 - UCS
- Informed search
 - Greedy
 - A*
 - Admissibility and consistence

Adversarial Search

- Minimax search
- Alpha-beta pruning

Reinforcement Learning

- Direct evaluation
- Q-learning
- Exploration

Bayes Nets

- Independence
 - D-separation
- Inference
 - Variable elimination
- Sampling
 - Gibbs sampling

Hidden Markov Models

- Forward Algorithm

Midterm Winter 2019

■ Link:

https://classes.cs.uoregon.edu/19W/cis471/homework/Midterm_Solution.pdf