Survivor's Manual for CIS 4210/5210

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> This course investigates algorithms to implement resource-limited knowledge-based agents which sense and act in the world. Topics include, search, machine learning, probabilistic reasoning, natural language processing, knowledge representation and logic. After a brief introduction to the language, programming assignments will be in Python.
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> — *Description of CIS 4210/5210 in course catalog*

Exams in CIS 4210/5210 are closed book but allow one double sided paper as a cheat sheet.

§1 Midterm

Takes place on October 10.

Statistics from Fall 2024 iteration (out of 52 points):

- Mean: 36.15

- Median: 36.27

- Max: 50.27

- Upper Quartile: 41.45

- Lower Quartile: 31.61

- Low: 18.11

§1.1 List of Content

Topic

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  Module 1: Rational Agents + Python Knowledge
  Module 2: Uninformed Search
  Module 3: Informed Search
  Module 4: Games and Adversarial Search
  Module 5 - Constraint Satisfaction Problems
  Module 6 - Logical Agents

§1.2 Test Specific Strategies

§2 Final

Takes place on December 18.

Statistics from Fall 2024 iteration (out of _ points):

- Mean:

- Median:

- Max:

- Upper Quartile:

- Lower Quartile:

- Low:

§2.1 List of Content

Module 7 - MDPs Module 8 - Reinforcement Learning Module 9 - Probabilities and Language Models Module 10 - Bayes' Nets Module 11 - Naive Bayes and Perceptrons Module 12 - Neural Nets Module 13 - NLP

Topic

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§2.2 Test Specific Strategies