CGSC 3601 A ARTIFICIAL INTELLIGENCE AND COGNITIVE SCIENCE

Course	CGSC 3601 A *Artificial Intelligence and Cognitive Science*
Instructor	Mary Kelly
Term	Fall
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Office Location	Dunton 2213 (in person) https://carleton-ca.zoom.us/my/animus.lab (online)
Office Hours	By appointment

COURSE DESCRIPTION/INSTRUCTOR'S STATEMENT

An overview of Artificial Intelligence (AI) techniques, such as problem solving by search, machine learning, probabilistic reasoning, neural networks, and natural language processing. By the end, you will be able to:

- Describe various AI algorithms, including rationale for their design
- Explain how to evaluate AI algorithms
- Compare and contrast various AI approaches
- Apply AI algorithms and techniques to solve problems and synthesize results

EVALUATION

The coursework consists of an online midterm and final exam, questions to be completed after each lecture, three online quizzes on readings, three assignments, and labs/tutorials. All course materials will be available through Brightspace.

TEXT

No textbook is required for the course. Readings, slides, and recorded lectures will be provided through the course website. If you require a resource beyond the course materials, the following artificial intelligence textbook is free: http://artint.info/2e/html/ArtInt2e.html