

Technology & Visual Arts

AIDI 1004 Issues & Challenges in AI

Tuesday, 11:00am – 12:00 PM EST

Course Description: Artificial Intelligence(AI) presents many technical challenges and social issues. Before being able to design an AI solution, the problem must be clearly defined, and resources identified. Students explore AI ethics and how Artificial Intelligence can be leveraged and applied to a wide range of real-world challenges such as advertising, art, business, finance, economics, environmental, government, healthcare, manufacturing, security & video games.

Instructor: Katie Tiwari

Office Hours: Tue 11am – 12pm EST

Contact Information: katie.tiwari@georgiancollege.ca

Resources: Will be provided as necessary on blackboard

Evaluation/Grading Rubric

Midterm IEEE Paper	15%
Final IEEE Paper	20%
Project	20%
Assignment1	5%
Midterm Exam	20%
Final Exam	20%

Schedule of Activities:

Week	Date	Lesson	Assignment/ Exam	Due
1	01/11	APA For Research		
2	01/18	Ethics Introduction	Assignment 1-APA	Sun 23rd Jan 11:30 pm ET
3	01/25	A.I Rights		
4	02/01	Cyborgs		
5	02/08	Problem Scoping		
6	02/15	Requirement Gathering	Midterm Paper	Feb 18 th Fri, 11:30 pm ET
7	02/22	Exploratory Data Analysis		
	03/01	Reading Week- No Classes		
8	03/08	Midterm Exam		Tue 8 th Mar 1 – 3pm ET
9	03/15	Data Manipulation		
10	03/22	Building Predictive Models		
11	03/29	Building a Trusted A.L Ecosystem	Project	3 rd Apr, 11:30 pm ET
12	04/05	AI in Warfare		
13	04/12	Singularity	Final IEEE Paper	12 th Apr 11:30 pm ET
14	04/19	Final Exam		19 th Apr, 1PM – 3PM ET

The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students.

Due to extenuating circumstances and to accommodate the need for this program to be offered remotely, there may be some modifications to the evaluation/assessment. This has been approved by the Dean of Technology & Visual Arts (TVA), as directed by the Vice President, Academic.