AIDI 1004: ISSUES AND CHALLENGES IN ARTIFICIAL INTELLIGENCE

Course outlines are reviewed annually as part of continual quality improvement. This course was last updated for the effective term below.

Effective Term
Winter 2021

Full Course Title
Issues and Challenges in Artificial Intelligence

Academic Level
Post Graduate

Subject Code
AIDI - PG Artifical Intelligence

Course Number
1004

Grade Mode
Numeric

PLAR Applicable
Yes

Total Hours
42

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 and video games.

Course Content
- AI Ethics
- Problem scoping
- Requirements gathering
- Data manipulation
- Applications of AI in industries such as
  - Advertising
  - Art
  - Automotive
  - Business (Audit, Finance and economics)
  - Government
  - Healthcare
  - Video games

Course Evaluation

The passing grade for this course is 60%, evaluation is comprised of:
- Assignments 60%
- Test(s) 40%

Tests/examinations/assignments must be written/submitted at the time specified. Requests for adjustments to that schedule must be made before the test/exam/assignment date to the faculty member. Failure to do so will result in a mark of "0", unless an illness/emergency can be proven with appropriate documentation at no cost to the College.

Academic Appeal
Students at Georgian College can appeal the following:
· A mark on an assignment, test, examination or work-integrated learning term
· Missing or incorrect assessment information on a grade report and/or transcript
· A charge of academic misconduct
Note: Students cannot appeal a final grade. It is the academic work that is appealable leading to the final grade i.e. final test, exam or assignment.
Refer to Academic Regulations 9.2 Academic Appeal for further details.

To graduate from graduate certificate level programs, a student must attain a minimum of 60% or a letter grade of P (Pass) or S (Satisfactory) in each course in each semester. The passing weighted average for promotion through each semester and to graduate is 60%.

Course Learning Outcomes

Upon successful completion of this course, the student has reliably demonstrated the ability to:

1. examine the ethical use of Artificial Intelligence (AI) systems;

Evaluation
Introduced
Assessed

Upon successful completion of this course, the student has reliably demonstrated the ability to:

2. identify technical limitations and capabilities of AI system;

Evaluation
Introduced
Assessed

Upon successful completion of this course, the student has reliably demonstrated the ability to:

3. define the problem and establish the scope for an AI system;

Evaluation
Introduced
Assessed

Upon successful completion of this course, the student has reliably demonstrated the ability to:

4. perform data manipulation to sanitize data sets to load into an AI system;

Evaluation
Introduced
Assessed

Upon successful completion of this course, the student has reliably demonstrated the ability to:

5. evaluate the application of AI in for number of different industry sectors.

Evaluation
Introduced
Assessed

Key: 30159