AIDI 1005: ARTIFICIAL INTELLIGENCE FOR BUSINESS DECISION MAKING

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

Effective Term
Summer 2022

Full Course Title
Artificial Intelligence for Business Decision Making

Academic Level
Post Graduate

Subject Code
AIDI - PG Artifical Intelligence

Course Number
1005

Grade Mode
Numeric

PLAR Applicable
Yes

Total Hours
42

Course Description
The application of Artificial Intelligence (AI) systems can be leveraged to improve business decision making. AI systems support real-time, evidence-based decision making by offering data collection, forecasting and trend analysis. Students explore how AI systems can be used to help make predictions by disseminating large amounts of data to assist with forecasting, planning and resourcing.

Course Content
- Data Engineering
- Data science research design
- Experimental data analysis and modeling
- Data analysis and inference and Predication
- Approximate Solution Methods
- Control Strategy

Course Evaluation

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

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. apply the concepts of data engineering to collect, organize and analyze information sets;

Evaluation

Introduced
Assessed

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

2. apply approximate solution methods to evaluate the reasonableness of the results of an Artificial Intelligence (AI) solution;

Evaluation

Introduced
Assessed

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

3. utilize data science research design to ensure the integrity and accuracy of a data model;

Evaluation

Introduced
Assessed

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

4. analyze experimental data to construct different data models to represent different characteristics of information;

Evaluation

Introduced
Assessed

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

5. implement different control strategies to evaluate the impact on AI results.

Evaluation

Introduced
Assessed

Key: 30160