

Technology & Visual Arts

AIDI 1011 Artificial Intelligence Project Winter 2023

Tuesday, 5:00 pm – 9:00 PM EST

Course Description:

Designing and implementing an end-to-end Artificial Intelligence (AI) solution is a skill in high demand. An AI specialist must be able to leverage a large body of knowledge and apply a set of skills to produce the best solution for a given challenge. Students will apply infrastructure and Architecture concepts using AI frameworks, machine learning and algorithms to develop an AI solution that solves a real-world challenge.

Resources:

No textbooks are required. Study resources are available via Blackboard. Independent research and discovery initiatives are components of the course.

Instructor:

Sanjeev Kumar

Sanjeev.kumar@georgiancollege.ca

Office Hours:

Meetings can be requested via email request. I will respond to email within 24 - 48 hours.

Evaluation:

Activity	Weighting
2 Individual Assignments	12.5 %
1 Group Written Assignment	10 %
3 Group Presentations	60%
7 Weekly Status Report Meetings. (2.5% each)	17.5%

Assignments may be submitted for review as often as you require. However, **after 11:59pm on the due date, no submissions are accepted**. The last submission to Blackboard before the due date will receive the final grade for that assignment.

The weekly Status Report Meeting will be scheduled by the faculty during the class time, where each group must present your updated status report. All the students must talk about your contribution to the project and about your developed work.

A ZERO mark will be assigned for the students who didn't present your weekly status report. Attendance is mandatory.

Grades for groups will apply equally to each member subject to an assessment by the instructor of member participation and contribution to the assignment (except in special occasions).

Students must inform the instructor in advance if they think they will not meet a deadline. Please refer to the ***Georgian College Academic Regulations, Rights and Responsibilities***, available at <http://cat.georgiancollege.ca/academic-regulations/rights-responsibilities/>.

Schedule of Activities & Evaluation:

Week	Class Date	Due Date	Weekly Activities	Activity Format	Group or Individual	Weight
1	Jan 10	Jan 16	Course intro and Assignment 1	Video	Individual	5
2	Jan 17	Jan 23	Intro Group Presentation	Video or Presentation	Group	10
3	Jan 24	Jan 30	Weekly Status Report Meeting 1	Video or Presentation	Group	2.5
4	Feb 7	Feb 13	Weekly Status Report Meeting 2	Video or Presentation	Group	2.5
5	Feb 14	Feb 20	Weekly Status Report Meeting 3	Video or Presentation	Group	2.5
6	Feb 21	Feb 27	Mid-term Group Presentation	Video or Presentation	Group	20
Reading Week						
7	Mar 7	Mar 13	Weekly Status Report Meeting 4	Video or Presentation	Group	2.5
8	Mar 14	Mar 20	Weekly Status Report Meeting 5	Video or Presentation	Group	2.5
9	Mar 21	Mar 27	Weekly Status Report Meeting 6	Video or Presentation	Group	2.5
10	Mar 28	Apr 3	Weekly Status Report Meeting 7	Video or Presentation	Group	2.5
11	Apr 4	Apr 10	Final Group Presentation	Presentation	Group	30
12	Apr 11	Apr 17	Final Group Report	Written	Group	10
13	Apr 18	Apr 18	Course Wrap-up and Final Assignment	Written	Individual	7.5

Assignment submissions

Presentation – Assignment must be “presented” using PowerPoint (or another approved tool) “synchronously” during scheduled class time; you can participate either remotely or in person on-campus.

Video – Assignment must be submitted with a recording link (and password if applicable) using MS Teams (or another approved tool). This method accommodates “asynchronous” learner.

Written – Assignment must be submitted as a Microsoft Word document following appropriate standards and format as outline in the assignment description.

Group vs. Individual

Group – nominate 1 team member to submit the assignment on the group’s behalf

Individual – assignment is designed to be completed by yourself

87.5% of assignments are "group" and 12.5% are "individual"

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. There may be some modifications to the evaluation/assessment. These changes would be approved by the Program Coordinator and/or the Associate Dean.

Late Policy

All submissions must be completed within the timeslot allocated. Late submissions will receive a deduction of 10% per day. After 3 days they will no longer be accepted and will receive a mark of 0. Any assignment handed in after the semester ends will receive a mark of 0 regardless of it’s within the 3-day late period. An exception will only be given for exceptional circumstances such as medical emergencies.

IMPORTANT DATES:

Fire and Lockdown:

Winter 2023: January 24

Summer 2023: May 30

Fall 2023: September 27

PROCESS:

Emergency Evacuation

- Evacuate buildings when a fire alarm is activated or an official announcement is given.
- Review [emergency evacuation](#).
- **Students requiring assistance in emergency situations must inform their faculty during the first week of class.**
- Familiarize yourself with all fire exit doors of classrooms and buildings you may occupy.
- Do not re-enter a building until the Fire Department or college personnel give instructions.

Lockdown

- Lockdown is initiated when there is a potential or actual violent incident on campus that could result in a serious injury or threat to life.
- Students may download the safe@georgian app to stay updated on Campus Safety Services' information including lockdown.
- Familiarize yourself with the [College Lockdown Procedure](#).
- Lockdown tests occur each semester.

Resources:

- [CS-004 Unscheduled campus closures](#)
- [Get Out, Hide, Fight Lockdown Video](#)
- Lockdown Model – Get Out, Hide, Fight: [Lockdown Tools and Tactics and FAQs](#)
- [Emergency Response Guide](#)

Unscheduled campus closure:

Reference: [CS-004 Unscheduled campus closures](#)

Timing of Closures/Notification

Closure	Decision By	Communication / Notification By	Notes
College has made the decision to close a building, campus or location, or suspend a service operation <u>in the morning</u> :	6:00 a.m.	6:30 a.m.	If re-opening for noon or evening classes is being considered, this will be mentioned in the message
Decisions surrounding <u>evening</u> closures:	2:30 p.m.	3:00 p.m.	
College closes a campus(s) or operation in the morning and	9:30 a.m.	10:00 a.m.	Only affects classes beginning at 12:00 noon or later

<u>expects to re-open by 12:00 noon</u>			
Closure expected to continue <u>past 12:00 noon</u>	9:30 a.m.	10:00 a.m.	
College intends to <u>re-open for evening classes</u> which commence at 5 p.m. or later	2:30 p.m.	3:00 p.m.	
College intends to <u>NOT re-open for evening classes:</u>	2:30 p.m.	3:00 p.m.	

Notification will be made via:

- Georgian social media (Facebook, Twitter)
- Safe@Georgian app
- Georgian website
- Recorded message when you call into your campus
- Student or employee portal
- Georgian email account
- Staff, students and the public may also hear about closures on local radio. They should monitor more than one communication channel

Virtual class recordings (recommended text):

Recommended text to include in syllabus for Virtual Class recording notification ([VPA Protocol 14 Remote Delivery Protocol](#)).

To support access to course content, lectures and learning activities may be recorded and the links to these resources posted in Blackboard.

Recordings should primarily capture the faculty (myself) and on-screen content. It is possible that your image, voice, name, personal views and course work may be collected. If you have concerns with recording, it is suggested that you keep your video/microphone off and do not use a profile image. You can communicate via direct message with your faculty/me instead of group chat.

Recordings may not be reproduced, posted or shared anywhere and may be in violation and subject to disciplinary actions under [Georgian College's Student Code of Conduct](#). Recordings should only be used by students currently registered in this course.

Students creating unauthorized recordings may be in violation and subject to disciplinary actions under [Georgian College's Student Code of Conduct](#).

Plagiarism – Any evidence of plagiarism will result in a “0” on the assignment. All work must be referenced.