CSC384 – Introduction to Artificial Intelligence, Winter 2021

Course Information

Instructors:	Steve Engels	Sonya Allin
Office Hours:	TBD	TBD
Email:	csc384-2021-01@cs.toronto.edu	csc384-2021-01@cs.toronto.edu
TAs:	TBD	TBD

Times for synchronous meetings depend on the section for which you are registered. Meeting times will be:

- **Monday, Wednesday, and Friday 11:00am — 12:00pm** (LEC0201, LEC2201, LEC7201, LEC9201); OR
- **Monday, Wednesday, and Friday 1:00pm — 2:00pm** (LEC0101, LEC9101); OR
- **Wednesday 6:00pm - 9:00pm** (LEC0301, LEC9201, LEC7301, LEC6101, LEC5101, LEC2301)

Synchronous meetings will take place via BB Collaborate and BB Collaborate links will be indicated by section. Pre-recorded course lectures will be available before most lessons so that synchronous meeting times can be dedicated to review and problem solving. Tutorials will be interleaved with lecture reviews during synchronous meeting times. Meetings with TAs will take place every second week, during the last hour of lecture.
Communication: Questions and discussion should occur on Piazza. Issues of a personal nature should be directed to the instructor via email or at an office hour. Please put [CSC384] in the subject header.

Piazza: https://piazza.com/utoronto.ca/winter2021/csc384/home

** ANNOUNCEMENTS WILL BE MADE THROUGH QUERCUS. IT IS YOUR RESPONSIBILITY TO MONITOR THIS FORUM FREQUENTLY. **

Recommended textbook (not required):
- Stuart Russell and Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd edition, Prentice Hall, 2010.
    - Note that the second edition can be accessed for free, ONLINE via the Hathi Trust
    - You must log in with University of Toronto library credentials to access this online text
- Material is also covered in Artificial Intelligence Foundations of Computational Agents, Poole & Mackworth, 2010. This text is also available FREE online: http://artint.info/.
- In addition, 2 copies are on 24 hr reserved in the Engineering & Computer Science Library.
- Lecture notes cover much of the course material.

Other Recommended books:
- Knowledge Representation and Reasoning. Brachman & Levesque. 2004.
- Computational Intelligence: A Logical Approach. Poole, Mackworth & Goebel, 1998.

Important Administrative Dates (Unofficial)
Winter Break (no class): February 15 - 19
Last day to drop: March 15
Good Friday (no class): April 2
Last day of classes: Friday, April 9 (Make up day on April 12)
Final exam period: April 13 – 23

Topics Covered:

1. Introduction to Artificial Intelligence
2. Search (Uninformed, Heuristic, Game-tree)
3. Constraint satisfaction
4. Knowledge representation and reasoning
5. Representing and reasoning with uncertainty (Bayes Nets)

Course Grading Scheme

Item	Topic	Weight	Tentative Date Out	Tentative Due Date(s)
Quizzes	Each quiz will be cumulative and cover lecture material.	8% (1% each, lowest is dropped)		January 15, 22 and 29; February 5; March 5, 12, 19 and 26 April 5
Assignment 1	Search	13%	January 25	February 11
Assignment 2	Game Tree Search	13%	February 8	March 11
Midterm		15%	February 24	February 26
Assignment 3	Constraint Satisfaction	13%	March 8	March 25
Assignment 4	Uncertainty	13%	March 22	April 12
Final Exam		25%	April 12	April 16

All assignments are to be done individually.

** Assignment and test dates are tentative and may be updated **

Grading Summary: Assignments: 52%, Quizzes: 8%, Midterm: 15%, Exam: 25%

Academic Offences: Plagiarism -- or simply, cheating -- is taken to be the handing in of work not substantially the student's own. It is usually done without reference, but is unacceptable even in the guise of acknowledged copying. It is reprehensible, and the penalty will be severe. It is not cheating, however, to discuss ideas and approaches to a problem. Indeed, a moderate form of collaboration is encouraged as a useful part of any educational process. Nevertheless, good judgment must be used, and students are expected to present the results of their own thinking and writing. Never copy another student's work -- it is plagiarism to do so, even if the other student "explains it to you first." Never give your written work to others. Sharing work with others for the purposes of plagiarism is also a violation. Do not work together to form a collective solution, from which individuals copy out the final solution. Rather, walk away and recreate your own solution later. Please read the faculty's Rules and Regulations regarding the code of behaviour on academic matters: http://www.artsci.utoronto.ca/osai/The-rules/code/the-code-of-behaviour-on-academic-matters

Late Policy
- Late assignments will be handled based on a system of "grace days", as follows: Each student begins the term with three grace days. An assignment handed in from one minute to 24 hours late uses up one grace day. An assignment handed in 48:01 to 72 hours late uses three grace days.

- Once you have exhausted your grace days, the penalty is 10% of the assignment total grade for each day.

- The grace days are intended for use in emergencies (e.g., hard drive crash, printer failure or TTC breakdown). Do not use them to buy an extension because of a busy week or you will be out of luck in a true emergency.

Silent Policy
A silent policy will take effect 24 hours before an assignment is due. This means that no question about the assignment posed after that point will be answered, whether it is asked on the Piazza, by email or in person.

Illness
In the event of an illness or other catastrophe, get proper documentation (e.g., medical certificate), but if you have grace days left, use them. If you need those days back later, give your documentation to the instructor at that time.