

CSC384 - Introduction to Artificial Intelligence, Summer 2020

Course Information

Sections: LEC5101

Instructors:	Bahar Aameri	Sonya Allin
Office:	BB Collaborate!	BB Collaborate!
Office Hours:	TBD	11 am Thursdays
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TAs:		

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.

Course Web Page: <http://www.teach.cs.toronto.edu/~csc384h/summer/>
 Piazza: <https://piazza.com/utoronto.ca/summer2020/csc384/home>
 MarkUs: <https://markus.teach.cs.toronto.edu/csc384-2020-05>

**** ANNOUNCEMENTS WILL BE MADE THROUGH PIAZZA AND THE COURSE WEB PAGE. IT IS YOUR RESPONSIBILITY TO MONITOR THESE FORUMS FREQUENTLY. ****

Lectures & Tutorials

LEC5101: Mondays 6pm - 9pm (EST)

Lectures and Tutorials will be delivered during class time using **BB Collaborate** (which you can access via Quercus). Lectures will be archived for review.

***** Try to attend all 3 hours of contact time. The final hour each week will often be used for lectures. *****

Recommended textbook (not required):

- Stuart Russell and Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd edition, Prentice Hall, 2010

Other Recommended books:

- Knowledge Representation and Reasoning. Brachman & Levesque. 2004.
- Computational Intelligence: A Logical Approach. Poole, Mackworth & Goebel, 1998.
- Artificial Intelligence Foundations of Computational Agents, Poole & Mackworth, 2010. Text and more available online: <http://artint.info/>.

Important Administrative Dates (Unofficial)

Waitlists close: May 9 V

Victoria Day (no class): May 18

Drop Deadline: July 20

Summer Break: June 22 & 29 (no class!!)

Civic Holiday (no class): August 3

Last day of class: August 17

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	Date Out	Due Date
Assignment 1	Search	13%	May 25	June 9
Quiz 1	Search	7%	June 4	
Assignment 2	Constraint Satisfaction	13%	June 8	June 23
Quiz 2	Constraint Satisfaction	7%	June 18	
Assignment 3	Game Tree Search	13%	June 22	July 21
Quiz 3	Game Tree Search	7%	July 16	
Assignment 4	Uncertainty	13%	July 20	August 11
Quiz 4	Uncertainty	7%	July 30	
KR Take Home	Knowledge Representation	20%	August 17	August 21

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

Grading Summary: Quizzes: 28%, Assignments: 52%, KR Take Home 20%

- All assignments are to be done individually.
- Quizzes will be timed and delivered via Quercus.

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.