University of Toronto

CSC384 – Introduction to Artificial Intelligence, Fall 2016
Course Information
Sections: L0101, L2001

Instructors:	**Steven Shapiro**	**Sonya Allin**
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Emailing: 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 [384] in the subject header.

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Course Web Page: http://www.teach.cs.toronto.edu/~csc384h/fall/
Piazza Instance: https://piazza.com/utoronto.ca/fall2016/csc384
MarkUs Instance: https://markus.teach.cs.toronto.edu/csc384-2016-09

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

Lectures & Tutorials

L0201:	**Tuesday**	**3:00 – 5:00 pm**	**Lassonde Mining Building (MB), 170 College Street, Room 128**
L2001:	**Thursday**	**4:00 – 5:00 pm**	**Health Sciences Building (HS), 155 College Street, Room 610**

****** Plan to attend all 3 hours of contact time. The Thursday time slot will be used for lectures. ******

Textbooks
Recommended textbook (not required):

- Stuart Russell and Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd edition, Prentice Hall, 2010
  - 2 copies on 24 hr reserved in the Engineering & Computer Science Library.
  - Lecture notes cover much of the course material.
  - If you're buying a book for long-term use, buy the 3rd edition, but the 2nd edition will be an adequate resource if you can access one more affordably.

Other Recommended books:

- 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)
Fall Break: November 7 - 8
Drop Deadline: November 7
Last day of classes: December 6
Final exam period: December 9 – 20

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Topics Covered:
1. Search (Uninformed, Heuristic, Game-tree)
2. Logical representations and reasoning (Constraint Satisfaction Problems, Knowledge Representation)
3. Classical automated planning
4. Representing and reasoning with uncertainty (Bayes Nets)

Tentative Course Grading Scheme

Item	Topic	Weight	Date Out	Due Date
Assignment 1	Search	10%	September 27	October 11
Assignment 2	Constraint Satisfaction Problems (CSPs)	10%	October 11	October 25
Midterm Test		15%	November 3	
Assignment 3	Knowledge Representation + Bayes Nets	10%	October 25	November 24
Project		15%		December 6
Final Exam		40%	Exam Period	Exam Period

Grading Summary: Assignments: 30%, Test: 15%, Project: 15%, Exam: 40%
- All assignments are to be done individually.
- You must receive at least **40%** on the final exam in order to pass this course.

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 3 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. Late submissions handed in after grace days have expired must be handed in by email. The email address to use will be included on assignment specifications.
- Grace days are intended for use in emergencies (e.g., hard drive crash 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.
- If you are at risk of missing a deadline due to a busy week, rather than use your grace days, you should hand in a working (and tested) version of a simpler program. This will be easy to do if you have written and debugged a series of programs that accomplish more and more of the assigned problem.

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.