**CSC384 – Introduction to Artificial Intelligence, Winter 2019**

**Course Information**
Sections: LEC0101/2001, LEC2001/2201

<table>
<thead>
<tr>
<th>Instructors:</th>
<th>Sonya Allin</th>
<th>Alexandra Poole</th>
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<tbody>
<tr>
<td>Office:</td>
<td>BA2283</td>
<td>BA2283</td>
</tr>
<tr>
<td>Office Hour:</td>
<td>Tuesday 2pm</td>
<td>Tuesday 1pm</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:sonyaa@teach.cs.utoronto.ca">sonyaa@teach.cs.utoronto.ca</a></td>
<td><a href="mailto:apoole@cs.toronto.edu">apoole@cs.toronto.edu</a></td>
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<tr>
<td>TAs:</td>
<td>TBA</td>
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**Communication:** Discussion and questions about assignments occur on Piazza. Questions about course material should be asked at office hours, at the start or end of lectures, or in tutorials. Course material questions cannot be efficiently answered electronically. 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.

**Course Web Page:** [http://www.teach.cs.toronto.edu/~csc384h/winter/](http://www.teach.cs.toronto.edu/~csc384h/winter/)


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

**Lectures & Tutorials**

**LEC0101/2001:** MWF 1:00 – 2:00  Medical Sciences Building, 1 King’s College Circle, Rm 2170

**LEC2001/2201:** MWF 3:00 – 4:00  Sandford Fleming Building, 10 King’s College Road, Room 1101

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

**Textbooks**

Recommended textbook **(not required)**:

  - 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.

**Important Administrative Dates**

Drop Deadline: February 18

Winter Reading Week: February 18 – 22

Last day of classes: April 5

Final exam period: April 6 – 30
**Topics Covered:**

1. Search (Uninformed, Heuristic, Game-tree)
2. Logical representations and reasoning (Constraint Satisfaction Problems, Knowledge Representation)
3. Representing and reasoning with uncertainty (Hidden Markov Models, Bayes Nets)

<table>
<thead>
<tr>
<th>Grading Scheme Item</th>
<th>Topic</th>
<th>Weight</th>
<th>Dates (subject to some Uncertainty!)</th>
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<tbody>
<tr>
<td>Assignment 1</td>
<td>Search</td>
<td>11%</td>
<td>Out January 21, due Feb 5 @ 10:00pm</td>
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<tr>
<td>Assignment 2</td>
<td>Game Tree Search</td>
<td>11%</td>
<td>Out Feb 4, due Feb 26 @ 10:00pm</td>
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<tr>
<td>Midterm Test</td>
<td></td>
<td>16%</td>
<td>Friday Feb 8(^{th}) during class</td>
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<tr>
<td>Assignment 3</td>
<td>Constraint Satisfaction Problems</td>
<td>11%</td>
<td>Out Feb 25, due Mar 11 @ 10:00pm</td>
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<tr>
<td>Assignment 4</td>
<td>Reasoning with Uncertainty</td>
<td>7%</td>
<td>Out Mar 10, due Mar 26 @ 10:00pm</td>
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<tr>
<td>Quiz</td>
<td>Reasoning with Uncertainty</td>
<td>4%</td>
<td>Friday Mar 29(^{th}) during class</td>
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<tr>
<td>Final Exam</td>
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<td>40%</td>
<td>Exam Period</td>
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**Grading Summary:** Assignments: 40%, Quiz: 4%, Test: 16%, Final 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 is 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](http://www.artsci.utoronto.ca/osai/The-rules/code/the-code-of-behaviour-on-academic-matters)

**Late Policy**

- Lateness is handled by a “grace day” system. Each student begins with three “grace days”. An assignment handed in 1 minute to 24 hours late uses 1 grace day (i.e. 1 minute late is judged the same as 1 day late). Once you have exhausted your grace days, the penalty is 10% of the assignment total grade for each late day.
- Grace days are intended for use in emergencies (e.g., hard drive crash, 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**

To be granted an assignment extension or other consideration due to illness (including issues of mental health) you must provide documentation. Complete and hand in this form: [http://www.illnessverification.utoronto.ca/document/Verification of Student Illness (VOI) - March 7 2018 - AODA.pdf](http://www.illnessverification.utoronto.ca/document/Verification of Student Illness (VOI) - March 7 2018 - AODA.pdf)