

# CSC 384 Introduction to Artificial Intelligence

University of Toronto

Term: Winter 2023

## Instructors:

[Alice Gao](#) and [Randy Hickey](#)

## Grading Scheme

You must obtain a **minimum grade of 40%** on the final exam to **pass** this course.

Grading Scheme

Component	Percentage of Final Grade
4 Assignments	10% each, up to a total of 35%
4 Tests	5% each, 20% in total
Final Exam	45%

## Lectures

- LEC 101/2001: 12-1 pm. Monday in MC 254. Wednesday and Friday in BA 1180.
- LEC 201/2101: 1-2 pm. Monday in MC 254. Wednesday and Friday in BA 1180.
- LEC 301/2201: 3-4 pm. Monday in SS 2217. Wednesday and Friday in LM 161.
- LEC 2501/5101: 6-9 pm. Tuesday in BA 1180.

## Course Schedule

This course consists of five modules/topics: Search, Games, Constraint Satisfaction Problems (CSP), Uncertainty, and Knowledge Representation (KR). Each module has several lectures and a test (except that KR doesn't have a test). The tests will occur during the lecture time slots.

See the detailed course schedule below.

[csc384\\_2023winter.pdf](#) (Attached separately)

Please check [the A&S page](#) for the final exam schedule.

## Assignments

This course will require you to complete four substantial programming assignments. You will submit the assignments on [MarkUs](#).

The assignments are individual. All the work you submit must be your own.

## Recommended Textbook

Stuart Russell and Peter Norvig, Artificial Intelligence: A Modern Approach, 3rd Edition.

The textbook is not required. We will post lecture slides before class.

## Getting in Touch:

There are many ways to get in touch with us.

- Piazza: <https://piazza.com/utoronto.ca/winter2023/csc3842023winter>
  - access code: 3840123
- Course email address: [csc384-2023-01@cs.toronto.edu](mailto:csc384-2023-01@cs.toronto.edu)

We will make important announcements on Piazza. Therefore, **we strongly suggest you check Piazza at least once daily**. The course staff, especially Alice and Randy, will check Piazza daily and aim to respond to questions within 48 hours.

Please follow these rules when you contact us:

- Your best option is to post a question on Piazza. If the post contains hints for assignments/tests or personal information, please make it private. We will aim to respond to you within 48 hours.
- If your question is about a test remark request, follow the instructions in the Remark Request section below.
- If your question is a special consideration request, follow the instructions in the Special Consideration Requests section below.

## Instructor Office Hours:

Please come and talk with us during the instructor's office hours. We can chat about course materials or anything else. However, we will prioritize students who have course-related questions.

- Alice's office hours:
  - In-person OH: Wednesday, 10-11 am and 4 - 5 pm in BA 4240.
  - Online OH: Friday, 9-11 am on Zoom
    - <https://utoronto.zoom.us/j/6768588609>
    - Passcode: 829272
- Randy's office hours:
  - - In-person OH: Tuesday, 4:45-5:45 pm, BA 3289.

## Remark Requests:

Please submit a remark request if you discover a marking error on an assignment or test. We will consider remark requests **up to one week** after we release the marks for an assignment or a test.

- For assignments, please submit remark requests on MarkUs.
- For tests, please fill out [the remark request form](#) and send the completed form to the **course email** address.
  - The email subject should be "Test XXX Remark Request, FirstName, LastName, UTORID."
  - For example, "Test 3 Remark Request, Alice Gao, gaoalice123"

## Special Consideration Requests:

If you cannot complete an assignment on time or write a test due to extraordinary circumstances beyond your control, please apply for a Special Consideration by filling out [the special considerations form](#) and sending it to the **course email** with your supporting documentation.

**Valid** reasons to apply for a special consideration request:

- Late course enrollment
- Medical conditions (i.e., physical/mental health, hospitalizations, injury, accidents)
- Non-medical conditions (i.e., family/personal emergency)

**Invalid** reasons to apply for a special consideration request:

- Heavy course load
- Multiple assignments are due in the same week.
- Multiple tests are scheduled in the same week.
- I need to catch up on missed work.

If you have difficulty managing stress and time, don't hesitate to contact your college registrars, who can suggest wellness counselling, academic advising, and/or learning strategist services.

Our special considerations policies are as follows.

- If you miss a test, we will typically shift the test's weight to a future or final exam.
- For your first special considerations request regarding an assignment, we will grant a standard 2-day extension. Subsequent requests will be considered at the discretion of the instructors.
- If you are registered with accessibility services, your letter of accommodation will allow for an extension of up to 7 full days. However, due to the incremental nature of CS courses, granting such a long extension from the onset may cause you to fall behind and be disadvantaged. As such, we will start by suggesting an initial 3-day extension. We will grant the 7-day extension later if necessary.

## Academic Integrity:

Academic integrity is essential to the pursuit of learning and scholarship in a university and ensuring that a degree from the University of Toronto is a strong signal of each student's academic achievement. As a result, the University treats cheating and plagiarism very seriously. The University of Toronto's [Code of Behaviour on Academic Matters](#) outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences. Potential offences include, but are not limited to:

In papers and assignments:

1. Using someone else's ideas or words without appropriate acknowledgement;
2. Submitting your own work in more than one course without the permission of the instructor;
3. Making up sources or facts;
4. Obtaining or providing unauthorized assistance on any assignment.

On tests and exams:

1. Using or possessing unauthorized aids;
2. Looking at someone else's answers during an exam or test;

3. Misrepresenting your identity; and
4. When you knew or ought to have known you were doing it.

In academic work:

1. Falsifying institutional documents or grades;
2. Falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes; and
3. When you knew or ought to have known you were doing so.

All suspected cases of academic dishonesty will be investigated following procedures outlined in the Code of Behaviour on Academic Matters. If students have questions or concerns about what constitutes appropriate academic behaviour or appropriate research and citation methods, they are expected to seek out additional information on academic integrity from their instructors or from other institutional resources.

## **Student Support Resources**

- [CSC Wellness Resources](#)
- [My SSP](#)
- [Accessibility Services](#)
- [Student Life](#)
- [Recognized Study Groups](#)

◀ December		January 2023					February ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
1	2 University opens	3	4	5	6	7	
8	9 Classes begin Intro	10 Intro Search 1 Search 2	11 Search 1	12	13 Search 2	14	
15	16 Search 3	17 Search 3 Search 4 Search 5	18 Search 4	19	20 Search 5	21	
22	23 Search Review	24 Search Review Games 1 Games 2	25 Games 1	26	27 Games 2	28	
29	30 Test 1 Search Exam Centre 100	31 Test 1 Search Games 3 Games 4					

February 2023						
◀ January						March ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<b>1</b> Games 3	<b>2</b>	<b>3</b> Games 4	<b>4</b>
<b>5</b>	<b>6</b> Games Review	<b>7</b> Games Review CSP 1 CSP 2	<b>8</b> CSP 1	<b>9</b> Assign 1 Due	<b>10</b> CSP 2	<b>11</b>
<b>12</b>	<b>13</b> Test 2 Games Room TBD	<b>14</b> Test 2 Games CSP 3 CSP 4	<b>15</b> CSP 3	<b>16</b>	<b>17</b> CSP 4	<b>18</b>
<b>19</b>	<b>20</b> Reading Week	<b>21</b> Reading Week	<b>22</b> Reading Week	<b>23</b> Reading Week	<b>24</b> Reading Week	<b>25</b>
<b>26</b>	<b>27</b> CSP 5	<b>28</b> CSP 5 CSP 6 CSP Review				

◀ February		March 2023					April ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
			<b>1</b> CSP 6	<b>2</b> Assign 2 Due	<b>3</b> CSP Review	<b>4</b>	
<b>5</b>	<b>6</b> Test 3 CSP Exam Centre 100	<b>7</b> Test 3 CSP Uncertainty 1 Uncertainty 2	<b>8</b> Uncertainty 1	<b>9</b>	<b>10</b> Uncertainty 2	<b>11</b>	
<b>12</b>	<b>13</b> Uncertainty 3	<b>14</b> Uncertainty 3 Uncertainty 4 Uncertainty 5	<b>15</b> Uncertainty 4	<b>16</b> Assign 3 Due	<b>17</b> Uncertainty 5	<b>18</b>	
<b>19</b>	<b>20</b> Uncertainty 6	<b>21</b> Uncertainty 6 Uncertainty 7 Uncertainty Review	<b>22</b> Uncertainty 7	<b>23</b>	<b>24</b> Uncertainty Review	<b>25</b>	
<b>26</b>	<b>27</b> Test 4 Uncertainty Exam Centre 100	<b>28</b> Test 4 Uncertainty KR 1 KR 2	<b>29</b> KR 1	<b>30</b>	<b>31</b> KR 2		



April 2023						
◀ March						May ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3 KR 3	4 KR 3 KR Review	5 KR Review	6 Assign 4 Due Classes end	7 Good Friday	8
9	10	11 Final exams start.	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28 Final exams end.	29
30						