

CIS*3700 W22 Introduction to Intelligent Systems

Course Outline

Lecturer: Prof. Mark Wineberg
Office Hours: Tues, Thurs 1pm (i.e., after class)
Email: mwineber@uoguelph.ca
Lectures: GRHM, Room 2310 – Tues, Thurs 11:30 am - 12:50 pm
Labs: ROZH, Room 105 – Thurs 04:30 pm - 05:20 pm

Course Calendar Description

This course covers the core topics of Artificial Intelligence, namely: agents and environment, search, knowledge representation, reasoning, and learning. The last three topics are covered using logic as the common formalism for coherence. The course introduces a broad range of basic concepts, terminology, and applications, in addition to providing some specific, widely applicable methodologies.

Prerequisites: (CIS*3750 or CIS*3760), (CIS*2460 or STAT*2040)

Textbooks *Artificial Intelligence: A Modern Approach*(4th Ed)
S. Russell and P. Norvig,
Pearson Prentice Hall, 2020

Course Website

Course material, news, announcements, and grades will be regularly posted to the CIS*3130 Courselink Website, accessible from the uoguelph.ca front page. You are responsible for checking the site regularly.

- *Lecture Information:* The formal class notes and/or recorded Zoom sessions will be posted on the course website as soon as the instructor has time to make them available.
- *Labs:* Selected tutorial and lab materials and/or recorded Zoom sessions will be posted on the course website as soon as the instructor has time to make them available.
- *Assignments:* Instructions will be distributed through the course website. All assignments will be submitted via the course website.

Grading

[60%] Assignments
[15% each] A1 – A4

[40%] Tests
[15%] MT Midterm (take home test)
[25%] F Final (take home test)

*Your final grade is the weighted sum of all assessments shown above.
To pass the course you need an overall grade of 50% or above.*

Submission and Late Policy

Assignments

- Assignments are submitted through a Courselink dropbox link Mondays by 9:00am or Friday at midnight, as noted in the timetable.
- There is a 1% late penalty (out of 100%) per every 2 hours up to two days after the due date, after which the assignment/reading will be given a grade of zero.

Tests:

- Tests (both the midterm and the final) are online and taken through the Courselink quiz tool
- The midterm is released on the Monday of the week (9:00am) and closed Monday morning at 9 am one week later
- The final is released 9:00am on the first of the exam period and is closed the morning of the final day of the exam period, also at 9:00 am

- You can take the midterm / final anytime during the week / exam period
- Once started:
 - you have 36 hours to complete the midterm and 72 hours to complete the final
 - you may enter and exit the test at any time before your 36/72 hours are over, *(unless the final deadline has passed, in which case you will not be allowed back in)*
 - this does not affect the time remaining for completion *(36/72 hours from the time you started)*
 - However, the latest you can start the midterm/final is 36/72 hours before the test closes
- If you do not take the midterm sometime during the week, you will be awarded zero
- If you do not take the final sometime during the exam period, you will be given an INC for the course

Accommodation of Religious Obligations

- If you are unable to meet an in-course requirement due to religious obligations, please email the course email address **within two weeks of the start of the semester** to make alternate arrangements.
- See the undergraduate calendar for information on Academic Accommodation of Religious Obligations: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-accomrelig.shtml>

If You Cannot Meet a Course Requirement

- If you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course in writing, with your name, id#, and e-mail contact.
- See the undergraduate calendar for information on regulations and procedures for Academic Consideration: <http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Timetable

Assignment Due Dates

		Mon 9:00 AM	Fri < midnight
10-Jan	W1		
17-Jan	W2		
24-Jan	W3		
31-Jan	W4	A1	
07-Feb	W5		
14-Feb	W6		A2
21-Feb	RW		
28-Feb	W7		
07-Mar	W8		
14-Mar	W9		
21-Mar	W10	A3	
28-Mar	W11		
04-Apr	W12		A4
11-Apr	E1		
18-Apr	E2		
25-Apr	E3		

Test Times

		Mon 9:00 AM	Fri 9:00 AM	Sat 9:00 PM
Midterm	W1			
	W2			
	W3			
	W4			
	W5			
	W6			
	RW			
	W7	Earliest Start		Latest Start
	W8	Latest End		
	W9			
	W10			
	W11			
Final	W12			
	E1	Earliest Start		
	E2		Latest Start	
	E3	Latest End		

Class Delivery

Lectures

- All class lectures will be face-to-face, in GRHM, Room 2310, unless the campus is under lockdown for emergency health reasons, in which case lectures will be held remotely. If remote lectures are required, the lecture material will be presented by the instructor during class time over Zoom.

Labs

- Labs will be a mixture of practical “how-to” lectures, going over assignment and midterm answers, as well as TA hours. Again, if the campus is under lockdown for emergency health reasons, the labs may either be held through Zoom sessions during lab times, or cancelled, depending on the week.

Disclaimer

- Please note that the ongoing COVID-19 pandemic may necessitate a revision of the format of course offerings, changes in classroom protocols, and academic schedules.
- Any such changes will be announced via Courselink and/or class email.
- This includes on-campus scheduling during the semester, midterm, and final examination schedules.
- All University-wide decisions will be posted on the COVID-19 website (<https://news.uoguelph.ca/2019-novel-coronavirus-information/>) and circulated by email.

Errata

Communication & Email Policy

- Major announcements will be posted to the course website and the discussion forums. **It is your responsibility to check the course website regularly.**
- As per university regulations, all students are required to check their <mail.uoguelph.ca> e-mail account regularly; e-mail is the official route of communication between the University and its students.

Recording of Materials

- Material recorded with permission, including Zoom lecture material, if any, is restricted for the use of the course and may not be posted on any public space unless further permission is granted.

Instructor's Role and Responsibility to Students

- The instructor's role is to develop and deliver course material in ways that facilitate learning for a variety of students.
- Selected notes will be made available to students on the course website but are not intended to be stand-alone. During lectures, the instructor will expand and explain the content of notes and provide example problems that supplement posted notes. ← *repeated for emphasis*
- Scheduled classes, labs and group walk-throughs (*scheduled by mutual agreement outside of class/lab times*) will be the principal venue to provide information and general feedback for tests and assignments.

Students' Learning Responsibilities

- Students are expected to take advantage of the learning opportunities provided during lectures, labs and help sessions.
- Students, especially those having difficulty with the course content, should also make use of other resources recommended by the instructor.
- Students who fall behind due to illness, work, or extra-curricular activities are advised to keep the instructor informed as early as possible. This will allow the instructor to recommend extra resources in a timely manner and/or provide consideration if appropriate.

Academic Misconduct

Important Rules and Guidelines

- The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring.
- University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. All students who take a SOCS course must pass the *Academic Integrity Self-Test*.
- For educational purposes, instructors impose conditions on assignments that may limit students' permission to collaborate with others or to utilize external sources (including, but not limited to, software, data, images, text, etc.).
 - Any permitted utilization must be done *with proper references*.
- Aiding and abetting is a punishable offence; students must be careful not to help others commit offences by giving out solutions or providing to access computer accounts.
- Students need to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note:

- *Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it.*
- *Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member.*

Relevant Websites

- The Academic Misconduct Policy is detailed in the Undergraduate Calendar:
<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>
- The SOCS Academic Integrity Unit: <http://moodle.socs.uoguelph.ca/course/view.php?id=2>
Login with your central login credentials. The key to use is "imhonest".