



Bachelor of

SCIENCE
(BMS)

Department of Computer Science

No specific courses are required. Students are however expected to have previous working knowledge in either analytics, artificial intelligence, data science, or statistical modelling.

2. Instructor Information

Course Coordinator Bartek Chomanski	Contact Information bchomans@uki
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Learning Outcomes

By the end of this course students should be able to:

1. Explain the meaning and purpose of an ethical theory in the context of Artificial Intelligence.
2. Make use of ethical theory to develop a rigorous, multifaceted understanding of ethical issues in the context of the impacts of Artificial Intelligence.
3. Describe selected national and transnational legal frameworks and codes governing artificial intelligence and its applications.
4. Identify consequences following from the implementation of legal frameworks regarding applications of artificial intelligence in organizations.
5. Explain the workings, usefulness and limitations of current technical solutions to fairness, accountability, transparency, and security problems arising in the application of Artificial Intelligence.
6. Develop solutions to specific ethical conflicts arising from the application of Artificial Intelligence.

Table of Contents and Schedule (tentative; subject to change)

Week	Dates	Topics
1	Jan 15	How to think like an ethicist: introduction to critical thinking and ethical reasoning; why we shouldn't be ethical relativists. (Chomanski)
2	Jan 22	Selected ethical theories: consequentialism and Kantian ethics; introduction to philosophical approaches to law and regulation. (Chomanski)
3	Jan 29	Ethical issues in AI: privacy, tr(2)JTJETA00862f1i7t1.u9h0

additional clarification. These responses won't be graded individually but in order to receive full marks, you'll have to complete them all.

The group presentations will be oral presentations (recorded or live, as determined by the instructors) on one of the case studies covered in the course.

The take-home exam will be a 24-hour take home exam with essay and/or problem questions (word limit: 2,000 words, including footnotes)

Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading.

Accommodated Evaluations

Late assessments without

are met: the absence is no more than 48 hours in duration, and the assessment for which consideration is being sought is worth 30% or less of the student's final grade. Students are expected to contact their instructors within 24 hours of the end of the period of the self-reported absence, unless noted on the syllabus. Students are not able to use the self-reporting option in the following circumstances:

for exams scheduled by the Office of the Registrar (e.g., December and April exams)
absence of a duration greater than 48 hours,
assessments worth more than 30% of the student's final grade,
if a student has already used the self-reporting portal twice during the academic year

If the conditions for a Self-Reported Absence are *not* met, students will need to provide a Student Medical Certificate if the absence is medical or provide appropriate documentation if there are compassionate grounds for the absence in question. Students are encouraged to contact their Faculty academic counselling office to obtain more information about the relevant documentation.

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. **All documentation required for absences that are not covered by the Self-Reported Absence Policy must be submitted to the Academic Counselling office of a student's Home Faculty.**

For policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs, see:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf

and for the Student Medical Certificate (SMC), see:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf

All of the remote learning sessions for this course will be recorded.

The data captured during these recordings may include your image, voice recordings, chat logs and personal identifiers (name displayed on the screen). The recordings will be used for educational purposes related to this course, including evaluations. The recordings may be disclosed to other individuals participating in the course for their private or group study purposes. Please contact the instructor if you have any concerns related to session recordings.

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_grad.pdf

All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<http://www.turnitin.com>).

Completion of this course will require you to have a reliable internet connection and a device that meets the system and technical requirements for both Zoom and Proctortrack. Information about the system and technical requirements are available at the following links:

<https://www.proctortrack.com/tech-requirements/>

<https://support.zoom.us/hc/en-us>

* Please note that Zoom servers are located outside Canada. If you would prefer to use only your first name or a nickname to login to Zoom, please provide this information to the instructor in advance of the test or examination.

Professionalism & Privacy

Western students are expected to follow the [Student Code of Conduct](#). Additionally, the following expectations and professional conduct apply to this course:



- Students are expected to follow online etiquette expectations provided on OWL
- All course materials created by the instructor(s) are copyrighted and cannot be sold/shared
- Recordings are not permitted (audio or video) without explicit permission
- Permitted recordings are not to be distributed
- Students will be expected to take an academic integrity pledge before some assessments
- All recorded sessions will remain within the course site or unlisted if streamed

Copyright Statement

Please be aware that all course materials created by the instructor(s) are copyrighted and