



MOS2198A 570
Special Topics: Introduction to AI Tools and Management Applications
Fall 2026

Instructor: Luisa Liboni, PhD
Email: luisa.liboni@uwo.ca

Course Information

Mode of Instruction: In-Person

Calendar Description:

This course explores the transformative power of artificial intelligence (notably, Large Language models, Natural Language Processing, Generative AI, Agent-Based AI and hybrid models) in the managerial world. This Introduction to AI Tools and Management Applications course is designed for undergraduate students with no prior knowledge of coding or computer science. At the end of this course, students will confidently assess and employ AI technologies to improve both personal and organizational capability.

Pre-requisite(s): Enrolment in BMOS.

Extra Information: 3 lecture hours.

Course Weight: 0.50

Breadth: Category A

Subject Code: MOS

Notice: Unless you have either the requisites for this course (fulfilment of pre-requisites, no anti-requisite conflicts), or special permission from your Dean to enrol in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

MOS 2198A — Special Topics: Introduction to AI Tools and Business Applications

King's University College at Western University School of Management, Economics, and Mathematics Fall Term 2026

Instructor Information

- Instructor: Dr. Luisa Liboni
- Email: luisa.liboni@uwo.ca
- Office hours: one hour per week, held virtually via Zoom (day and time announced on OWL Brightspace in Week 1), and by appointment.

When emailing, please begin the subject line with “MOS 2198A” followed by your topic, and include your student number.

Course Description

This course explores the transformative power of artificial intelligence — notably large language models, natural language processing, generative AI, and agent-based AI — in the business world. It is designed for undergraduate students with no prior knowledge of coding or computer science, and it teaches AI in a structured, non-technical manner.

The course is hands-on. Across the term you will move from using AI tools well (writing effective instructions, grounding a model in your own documents) to assembling a working AI agent of your own: an assistant with a defined identity, its own knowledge, memory, a channel where people can reach it, and a safety guardrail. By the end of the course you will not only understand how to assess AI technologies as a manager — in terms of cost, risk, and return — but you will also have built your first AI application.

Prerequisite(s): Completion of 5.0 courses at the 1000 level.

Course weight: 0.50. **Breadth:** Category A.

Unless you have either the requisites for this course or special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees if you are dropped from a course for failing to have the necessary prerequisites.

Mode of Instruction

In-person, three lecture hours per week. Class times and location are available through Draft My Schedule and the Student Centre website, and will also be posted on the course OWL Brightspace site. Course materials, weekly quizzes, and assignment submissions are managed through OWL Brightspace.

Course Learning Outcomes

By the end of this course, students will be able to:

1. **Identify and describe the use of AI as a learning and managerial support tool.** Identify common AI tools used in learning and management contexts and describe how they can support studying, research, and problem-solving in organizations in a responsible manner.
2. **Explain the concept of superintelligence.** Explain what is meant by superintelligence and summarize key debates regarding its potential managerial, societal, and economic implications.
3. **Differentiate types of innovation in the AI era.** Distinguish between incremental, radical, and architectural innovation, and explain how different AI models contribute to each type.
4. **Analyze the impact of AI on learning and education in organizations.** Analyze how AI technologies may influence teaching, assessment, and individual learning experiences, including personalization and adaptive learning systems.
5. **Evaluate the role of language and communication in AI systems.** Evaluate how language and communication skills affect the design, development, and effective use of AI-enabled products and services.
6. **Apply human-centred principles to AI use.** Apply ethical, inclusive, and human-centred principles when considering the use of AI in organizational and educational contexts.

Course Materials

Textbook and other learning materials: There is no required textbook for this course. All learning materials (lecture notes, readings, tutorials, and lab instructions) are provided through OWL Brightspace.

This course does not require a paid subscription to any software or AI service. All hands-on work can be completed with free tools or free tiers of commercial tools. Part of the coursework is learning to research, select, and justify an appropriate tool for a business goal — students choose their own tools and are never required to pay for one.

Technical requirements: a computer (laptop recommended for in-class activities) and a stable internet connection.

Methods of Evaluation

The overall course grade will be calculated as follows:

Component	Weight
Weekly quizzes (best 10 of 12, 5% each)	50%
Group presentation (Weeks 10–12)	20%

Component	Weight
Final project: your first AI application (individual)	30%
Total	100%

All components must be completed to pass the course. Grades are based on demonstrated understanding of the course content; there are no extra-credit assignments, and completed assessments cannot be resubmitted for a higher mark.

Weekly Quizzes (50% — best 10 of 12, 5% each)

A short quiz on the week's material is posted on OWL Brightspace after each class in Weeks 1 through 12.

Only your **best 10 of 12** quiz grades count. This flexibility is built in so that you can miss up to two quizzes — for any reason, no note required — without penalty. Because of this flexibility, **requests for academic consideration will not be granted for the first two missed quizzes.**

Tentative Quiz due dates (Fridays): September 11, September 18, September 25, October 2, October 9, October 23, October 30, November 6, November 13, November 20, November 27, December 4. No quiz is due during Fall Reading Week (October 10–18).

Quizzes are completed individually. You may consult your own notes and course materials, but the use of generative AI tools on quizzes is not permitted (see the Generative AI policy below).

Group Presentation (20% — Weeks 10–12)

In groups of four to five, students identify a real business problem and present how an AI tool or agent could address it: the problem, the proposed solution, the tools considered and chosen (with justification), the expected return, and the risks and guardrails. Presentations take place in class during Weeks 10 to 12; the schedule is assigned in Week 6.

- Each group submits a brief topic proposal (one page, feedback only, not graded) by the end of Week 6 (October 23).
- Presentation slides are submitted on OWL Brightspace before the group's presentation date.

All group members are jointly responsible for the academic integrity of the group's work.

Final Project (30% — individual, due Wednesday, December 9 at 11:59 PM)

Each student builds and submits their first AI application: a working AI assistant (agent) applied to a concrete goal — a business process, a study companion, or another approved target. The project assembles the components built step by step in the course labs: the agent's identity and instructions, its knowledge, memory, a channel, and a guardrail. The

submission consists of the working application (access link or equivalent evidence, as instructed on OWL Brightspace) and a short written report explaining what was built, the tools chosen and why, what the agent may and may not do, and what it would cost to run in an organization.

- **Academic consideration for the final project requires submission of formal supporting documentation** to the Academic Advising Office. This is the designated assessment for which formal documentation is required.

Requirements to Pass the Course, Attendance, and Debarment

You must complete all evaluation components to pass the course.

Regular attendance is expected: this is a hands-on course, and the weekly quizzes and the final project build directly on what is done in class. Students must, however, be present for their own group's presentation; individual absences on a group's presentation date require academic consideration through the Academic Advising Office.

Generative AI Policy

Generative AI is the subject of this course, and learning to use it well — and responsibly — is a course outcome.

- **Group presentation and final project:** generative AI tools are permitted and encouraged. Every submission must include an AI use statement declaring which tools were used and how (for example: drafting, research, slide design, code generation). Undeclared use of AI is an academic offence.
- You remain responsible for everything you submit. AI output that is wrong, fabricated, or uncredited is your responsibility, exactly as it would be in a workplace.

Scholastic offences are taken seriously, and students are directed to read the appropriate policy, specifically the definition of what constitutes a Scholastic Offence, at: https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Tentative Weekly Schedule

Classes begin September 9, 2026 and end December 9, 2026. September 30 (National Day for Truth and Reconciliation) is a non-instructional day, and no classes or assessments take place during Fall Reading Week (October 10–18).

Week	Week of	Topic	Assessment
1	Sept 9	Owning Your AI, Owning the Risk — where your data goes, who can see it, and why account	Quiz 1 due Fri Sept 11

Week	Week of	Topic	Assessment
		ownership is a management decision	
2	Sept 14	Demystifying AI — how machines learn, why models predict rather than know, and why capability is a budget decision	Quiz 2 due Fri Sept 18
3	Sept 21	Prompting, Instruction Design and Context — turning vague requests into precise instructions	Quiz 3 due Fri Sept 25; groups formed
4	Sept 28	Grounding — making the model answer from your own documents, with sources you can check	Quiz 4 due Fri Oct 2
5	Oct 5	Agent or Chatbot? — the buy decision: when a goal needs an agent and when a chatbot is enough	Quiz 5 due Fri Oct 9
—	Oct 12	Fall Reading Week — no classes, no assessments	—
6	Oct 19	Inside an AI Product — building an agent's identity and its first capability	Quiz 6 due Fri Oct 23; presentation topic proposal due
7	Oct 26	From Demo to Deployed — memory and channels: making an agent persist and reachable	Quiz 7 due Fri Oct 30
8	Nov 2	Connecting AI to the World — APIs,	Quiz 8 due Fri Nov 6;

Week	Week of	Topic	Assessment
		automation, and who holds the keys	project proposal due
9	Nov 9	Evals and Guardrails — deciding what “good” means, testing for it, and keeping a human in the loop	Quiz 9 due Fri Nov 13
10	Nov 16	AI, Innovation and the Future / Ethics — superintelligence, the innovation 2x2, and accountability	Quiz 10 due Fri Nov 20; group presentations
11	Nov 23	AI in the Organization — roles, ROI, and the build-or-buy decision	Quiz 11 due Fri Nov 27; group presentations
12	Nov 30	Capstone Studio — assembling the business agent from the term’s components	Quiz 12 due Fri Dec 4; group presentations
13	Dec 7	Capstone Showcase and Course Synthesis — live demonstrations and the course’s three-layer framework	Final project due Wed Dec 9

Weekly topics are supported by hands-on lab activities; lab instructions and all materials are posted on OWL Brightspace.

KING'S UNIVERSITY COLLEGE

GENERAL COURSE POLICIES

2026-2027

1. Academic Accommodations, Consideration for Absences

Academic Accommodation (Accessibility)

Accessibility Services works to ensure that academic programs are accessible to all students, and supports students who may have a condition related to, but not limited to, vision, hearing, mobility, different ways of learning, mental health, chronic illnesses, chronic pain, autism spectrum disorder, ADD/ADHD, and temporary conditions (beyond short-term academic consideration). Accessibility Services provides recommendations for accommodation based on medical documentation or psychological and cognitive assessment. The accommodation policy can be found [here](#) Academic Accommodation for Students with Disabilities. Information on Accessibility Services at King's can be found [here](#).

Academic Consideration for Student Absence

If a student is unable to meet a course requirement due to substantial but temporary extenuating circumstances (medical or compassionate), they should follow the procedures below.

In some cases, where instructors have built flexibility into their assessments, this flexibility will already address consideration needs.

Requests for academic consideration should be directed to the Academic Advising Office of your faculty/college of registration. Requests must be made as soon as possible and no later than 48 hours after the missed assessment.

As a rule, documentation is required for academic consideration. For academic consideration requests on medical grounds, the Student Medical Certificate is available at <https://registrar.uwo.ca/academics/pdfs/student-medical-certificate.pdf>

Students are permitted one academic consideration request without supporting documentation per term per course.

Instructors may designate one assessment per half-course weight as requiring formal supporting documentation. Please refer to the course outline for each course.

For further information, please see:

https://uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration_Sep24.pdf

Absences from Final Examinations

If you miss the Final Exam, contact the Academic Advising Office of your faculty/college of registration as soon as you are able to do so. They will assess your eligibility to write the Special Examination (the name given by the University to a makeup Final Exam).

You may also be eligible to write the Special Exam if you are in a “Multiple Exam Situation” (e.g., more than 2 exams in 23-hour period, or more than 3 exams in a 47-hour period).

If a student fails to write a scheduled Special Examination, the date of the next Special Examination (if granted) normally will be the scheduled date for the final exam the next time this course is offered. The maximum course load for that term will be reduced by the credit of the course(s) for which the final examination has been deferred. See the Academic Calendar for details (under Special Examinations).

Religious Accommodation

Students should consult the University's list of recognized religious holidays, and should give notice in writing to the instructor and Academic Advising Office if a course requirement will be affected by a religious holiday/observance. Notice must be given as early as possible, and no later than two weeks prior to an examination, and one week prior to a midterm test date. It is the responsibility of such students to inform themselves concerning the work done in classes from which they are absent and to take appropriate action.

2. Support Services

Accessibility, Counselling and Student Development at King's University College:

<https://kings.uwo.ca/community/library/services/accessibility/>

Students experiencing emotional or mental health distress can access services at King's University College: <https://kings.uwo.ca/campus-life/student-supports/>

Good2talk is a good online and phone 24/7 resource for students and is available in English, Mandarin, and French: <https://good2talk.ca>, 1-866-925-5454

MentalHealth@Western provides a complete list of options about how to obtain help:

<https://www.uwo.ca/health/mental-health/index.html>

Academic Support Services at King's University College:

<https://www.kings.uwo.ca/current-students/academic-resources/>

GBSV Support:

King's (Western) is committed to reducing incidents of gender-based sexual violence (GBSV) and providing compassionate support to anyone who is going through or has gone through these traumatic events. If you are experiencing or have experienced GBSV (either recently or in the past), you will find information about support services for survivors, including emergency contacts at the following website:

Mental Health and Wellness at King's - King's University College

You can reach someone supports at Kings by emailing Care@kings.uwo.ca or calling 519-930-4640 to reach a social worker who can offer help.

You can also reach Western's Gender-Based Violence & Survivor Support Case Manager by email or by calling 519-661-3568.

You can reach someone supports at Kings by emailing Care@kings.uwo.ca or calling 519-930-4640 to reach a social worker who can offer help.

3. Statement on Use of Electronic Devices

Use of Electronic Devices: Unless explicitly stated otherwise, you are not allowed to have a cell phone, or any other electronic device, with you during tests or examinations. Unauthorized possession of such a device during a test or examination constitutes an academic offence.

Use of Laptops, Tablets, and Smartphones in the Classroom: King's University College at Western University acknowledges the integration of new technologies and learning methods into the curriculum. The use of electronic devices such as laptop computers, tablets, or smartphones can contribute to student engagement and effective learning. At the same time, King's recognizes that instructors and students share jointly the responsibility to establish and maintain a respectful classroom environment conducive to learning.

The use of electronic devices by students during lectures, seminars, labs, etc., shall be for matters related to the course at hand only. Students found to be using electronic devices for purposes not directly related to the class may be subject to sanctions under the Student Code of Conduct; see https://kings.uwo.ca/sites/2025/assets/files/about/governance/policies/board/Board%20Policy%203_1%20Code%20of%20Student%20Responsibilities%20and%20Conduct.pdf

Inappropriate use of electronics (e.g., laptops, tablets, smartphones) during lectures, seminars, labs, etc., creates a significant disruption. As a consequence, instructors may choose to limit the use of electronic devices in these settings. In addition, in order to provide a safe classroom environment, students attending in-person class sessions are strongly advised to operate laptops with batteries rather than power cords.

4. Statement on Academic Offences

King's is committed to academic integrity. Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, is posted at https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_offences.pdf

It is expected that students will submit work that is truly their own, completed without external assistance (human or artificial) except as explicitly permitted by the course instructor. Check with your instructor on what tools, including generative AI (ChatGPT, translation tools, grammar-checking tools) are permitted in the course. Because a tool is permitted in one course, that does not mean it is permitted in other courses.

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; see <https://elearningtoolkit.uwo.ca/tools/Originality Reports - TurnItIn.html>.

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

5. Copyright of Course Material

Lectures and course materials, including PowerPoint presentations, tests, outlines, and similar materials are protected by copyright. Faculty members are the exclusive owner of copyright in those materials they create. Students may take notes and make copies for their own use. Students may not allow others to reproduce or distribute lecture notes and course materials publicly (whether or not a fee is charged) without the express written consent of a faculty member. Unauthorized sharing of class content is subject to academic discipline.

Similarly, students own copyright in their own original papers and exam essays. If a faculty member wishes to post a student's answers or papers on the course website, they should ask for the student's written permission.

6. Use of Recordings

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation and/or the participant has the prior written permission of the instructor. Unauthorized recording and/or sharing of class content is subject to academic discipline.

7. Policy on Attendance

Any student who, in the opinion of the instructor, is absent too frequently from class or laboratory periods in any course, will be reported to the Dean of the Faculty offering the course, after due warning has been given. On the recommendation of the department concerned, and with the permission of the Dean of that Faculty, the student will be debarred from taking the regular examination in the course.