

**[Pathology and Laboratory Medicine]**  
**[One Health 4100]**

Course Outline for Fall 2025

*This course takes place at Western University, which is located on the traditional territories of the Anishinaabek, Haudenosaunee, Lūnaapéewak, and Chonnonton Nations, on lands connected with the London Township and Sombra Treaties of 1796 and the Dish with One Spoon Covenant Wampum.*

Students who are in emotional and/or mental distress should refer to <https://www.uwo.ca/health/> for a complete list of options about how to obtain help.

**1. Technical Requirements:**



Stable internet connection



Laptop or computer

**2. Important Dates:**

Classes Begin	Reading Week	Classes End	Study day(s)	Exam Period
September 4	November 3–9	December 9	December 10	December 11–22

September 30, 2025: National Day for Truth and Reconciliation; non-instructional day

September 12, 2025: Last day to add or drop a Fall 12-week course

December 1, 2025: Last day to withdraw from a Fall 12-week course without academic penalty

**3. Contact Information**

Course Coordinator	Contact Information
Patti Kiser	

Instructor(s) or Teaching Assistant(s)	Contact Information

#### 4. Course Description and Design

**Delivery Mode:** in-person

##### *Animal Health, Human Health and Comparative Pathology*

The One Health concept acknowledges the global interdependence of people, animals, and the environment. This course focuses on the animal component of One Health. Areas of exploration will include wildlife, livestock, and companion animals, in addition to use of animals in research, and comparative human and animal pathology.

Unless you have either the requisites for this course or written 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 in the event that you are dropped from a course for failing to have the necessary prerequisites.

##### **Timetabled Sessions**

Component	Date(s)	Time
In-person lectures	T/Th	10:30-11:20

- Asynchronous pre-work must be completed prior to sessions
- Attendance at sessions is required

All course material will be posted to OWL Brightspace: <https://westernu.brightspace.com/d2l/login>. Any changes will be indicated on the OWL Brightspace site and discussed with the class.

If students need assistance, they can seek support on the [OWL Brightspace Help](#). Alternatively, they can contact the [Western Technology Services Helpdesk](#). They can be contacted by phone at 519-661-3800 or ext. 83800.

Current versions of all popular browsers (e.g., Safari, Chrome, Edge, Firefox) are supported with OWL Brightspace; what is most important is that you update your browser frequently to ensure it is current. All JavaScript and cookies should be enabled.

#### 5. Learning Outcomes

Upon successful completion of this course, students will be able to:

- Describe key principles that differentiate wildlife, livestock, and companion animals in their interactions with humans and the environment
- Identify major factors that affect animal health at an individual and population level
- Recognize the strengths, limitations, and potential biases in animal-related research studies.
- Define the essential characteristics of a scientific essay and explain the role of critical thinking in scientific writing
- Integrate information from diverse scientific sources to construct a cohesive argument.
- Articulate academic findings and arguments clearly in both written essays and discussions, tailoring language to the intended audience.
- Identify and incorporate relevant scientific data and findings to support arguments.
- Challenge underlying assumptions in animal studies, including those presented in primary research papers

## 6. Course Content and Schedule

Week	Dates	Topic	Instructor
1	Sept 4–7	Introduction	Kiser
2	Sept 8–14	Do animals have value?	Kiser
3	Sept 15–21	What can we learn from Animals?	Kiser
4	Sept 22–28	Comparative anatomy	Kiser
5	Sept 29–Oct 5	Comparative physiology	Kiser
6	Oct 6–12	Comparative pathology	Kiser
7	Oct 13–19	Systems focus	Kiser
8	Oct 20–Oct 26	Wildlife	Kiser
9	Oct 27–Nov 2	Wildlife: disease focus	Kiser
10	Nov 3–9	Reading Week (starts November 3 <sup>rd</sup> 12:01 AM)	N/A
11	Nov 10–16	Livestock	Kiser
12	Nov 17–23	Livestock: disease focus	Kiser
13	Nov 24–30	Panel discussion	Kiser
14	Dec 1–7	Panel discussion	Kiser
15	Dec 8, 9	Panel discussion	Kiser

## 7. Participation and Engagement

- Students are expected to participate and engage with content as much as possible
- Student participation is a component of the final grade. In-class discussion sessions and class attendance will be counted towards the participation mark.
- Students can also participate by interacting in the forums with their peers and instructors

## 8. Assessment and Evaluation

Below is the evaluation breakdown for the course. Any deviations will be communicated.

Assessment	Format	Weighting	Due Date	Flexibility
Quizzes	Mixed	5	Thursdays	Drop lowest 2
Essay Assignments (6)	Written	30	September 16 October 2 October 14 October 23 November 13 November 27	72-hour no late penalty
Presentation (group)	Video, in-class presentation and discussion, peer evaluation	20	To be determined (TBD)	Not applicable
Participation	Focus topic discussion and writing activity	15	September 11 September 23 October 7 October 16 October 28 November 13	Makeup written assignment
Final Exam	Written	30	TBD	Not applicable

**Designated Assessment:** Instructors are permitted to designate one assessment per course per term as requiring supporting documentation to receive academic consideration. See below for information on academic consideration policy and missed course work. For this course [no assessment has been designated as requiring supporting documentation] OR [the following assessment has been designated as requiring supporting documentation]:

- Presentation (group): in-class

**Information about flexibility in assessment**

- Flexibility in assessment has been applied to this course; therefore, academic consideration requests
- Quizzes: This course has 12 Quizzes with only 10/12 Quizzes counted towards your final grade. Academic consideration will not be granted for missed quizzes. Students will receive a grade of zero for any missed quizzes within the required 10 quizzes.
- Assignments: This course employs flexible deadlines for Assignments. The Assignment deadlines can be found above in the course outline. For each Assignment, students are expected to submit the assignment by the deadline listed. Should illness or extenuating circumstances arise, students are permitted to submit their assignment up to 72 hours past the deadline without a late penalty. Should students submit their assessment beyond 72 hours past the deadline, *a late penalty of 10% per day will be subtracted from the assessed grade*. No documentation or notification is required if submitting within 72 hours of these due dates. Academic consideration will not be granted for missed Assignments.
- Participation: This course will have 6 Discussion sessions as scheduled above in the course outline. Students are required to attend and participate during these Discussion sessions for credit. If students are unable to attend these sessions, they will have the option to submit a makeup assignment. This makeup assignment will be marked and the grade will be applied to the missed Discussion session.

**General information about assessments**

- All assignments are due at 11:59 EST unless otherwise specified
- Students are responsible for ensuring that the correct file version is uploaded; incorrect submissions including corrupt files could be subject to late penalties (see below) or a 0
- Written assignments will be submitted to Turnitin (statement in policies below)
- Students will have unlimited submissions to Turnitin
- A student might not receive the same grade as their group members if it is determined that the distribution of work was not equal
- After an assessment is returned, students should wait 24 hours to digest feedback before contacting their evaluator; to ensure a timely response, reach out within 7 days
- Assessment re-grading requires a written rationale and is subject to approval by the course coordinator. The entire assessment will be re-evaluated and the final mark may increase, decrease, or remain unchanged
- Prior to the filing of a written request for relief, students must attempt to resolve the concern regarding a mark or grade through informal consultation with the instructor. If the student is dissatisfied with the decision of the instructor or does not receive a decision from the instructor, a written request for relief must be submitted to the Department Chair within three (3) weeks from the date that the mark was issued.

The table below outlines the University-wide grade descriptors.

A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work which is clearly above average
B	70-79	Good work, meeting all requirements, and eminently satisfactory
C	60-69	Competent work, meeting requirements

D	50-59	Fair work, minimally acceptable
F	below 50	Fail

### Information about late or missed assessments:

- Late assessments without academic consideration will be subject to a late penalty 10%/day
- An assessment cannot be submitted after it has been returned to the class
- [One] make-up test will be offered [put date upfront] OR A make-up test will not be offered, and the weight of a missed test will be transferred to the final examination
- The Final Exam must be completed to pass the course. [State what happens if these elements are missed e.g., INC and student completes it the next time course is offered].
- Only one special examination (see below) will be offered in January

**INC (Incomplete Standing):** If a student has been approved by the Academic Advising Office (in consultation with the instructor/department) to complete term work at a later date, an INC will be assigned, which could impact program progression. Students with INC will have their course load in subsequent terms reduced to allow them to complete outstanding course work. Students may request permission from Academic Advising to carry a full course load for the term the incomplete course work is scheduled.

**SPC (Special examination):** If a student has been approved by the Academic Advising Office to write a Special Examination and the final exam is the only outstanding course component, an SPC will be assigned. If the class has a makeup exam, the student is expected to write the makeup exam. If the class doesn't have a makeup for the final exam or the student misses the makeup for the final exam for reasons approved by the Academic Advising Office, the student will write the exam the next time the course is offered, which could impact program progression. Outstanding SPCs will reduce the course load for the term the exam is deferred as outlined in [Definitions of Types of Examinations](#) policy.

## 9. Communication

- Students should check the OWL Brightspace site every 24–48 hours
- Students should email their instructor(s) and teaching assistant(s) using email. Please use the Subject, "One Health 4100F"
- Emails will be monitored daily; students will receive a response in 24–48 hours
- This course will use discussions on Brightspace.
- Students should post all course-related queries on the discussion forum so that everyone can access the questions and responses

## 10. Office Hours

- Office hours (drop in, group) will be held remotely on Thursdays, 1:30 PM – 2:30 PM via Zoom
- Office hours (individual) will be booked via Microsoft Bookings and held in-person or remotely using Zoom. Any changes to the booking

## 11. Course Materials

- All resources will be posted in OWL Brightspace
- There are no required textbooks

## 12. Professionalism & Privacy

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

- All course materials created by the instructor(s) are copyrighted and cannot be sold/shared/upload (e.g., Must Knows Facebook group, Course Hero, Chegg, ChatGPT, etc.)
- 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

Western is committed to providing a learning and working environment that is free of harassment and discrimination. All **students**, staff, and faculty have a role in this commitment and have a responsibility to ensure and promote a safe and respectful learning and working environment. Relevant policies include Western's Non-Discrimination/Harassment Policy (M.A.P.P. 1.35) and Non-Discrimination/Harassment Policy – Administrative Procedures (M.A.P.P. 1.35). Any **student**, staff, or faculty member who experiences or witnesses' behaviour that may be harassment or discrimination **must report the behaviour** to the Western's Human Rights Office. Harassment and discrimination can be human rights-based, which is also known as EDI-based, (sexism, racism, transphobia, homophobia, islamophobia, xenophobia, antisemitism, and ableism) or non-human rights-based (personal harassment or workplace harassment).

### 13. How to Be Successful in this Class

Students enrolled in this class should understand the level of autonomy and self-discipline required to be successful.

1. Invest in a planner or application to keep track of your courses. Populate all your deadlines at the start of the term and schedule your time throughout the course.
2. Make it a daily habit to log onto OWL Brightspace to ensure you have seen everything posted to help you succeed in this class.
3. Follow checklists created on OWL Brightspace or create your own to help you stay on track.
4. Take notes as you go through the lesson material. Keeping handwritten notes or even notes on a regular Word document will help you learn more effectively than just reading or watching the videos.
5. Connect with others. Try forming an online study group and try meeting on a weekly basis for study and peer support.
6. Do not be afraid to ask questions. If you are struggling with a topic, check the online discussion boards or contact your instructor(s) and or teaching assistant(s).
7. Reward yourself for successes. It seems easier to motivate ourselves knowing that there is something waiting for us at the end of the task.

### 14. Western Academic Policies/Procedures and Statements

#### A. Absence from Course Commitments

##### Medical, Compassionate, or Extenuating Circumstances

Students missing course work for medical, compassionate, or extenuating circumstances can request academic consideration by completing a request at the [central academic consideration portal](#). Students are permitted one academic consideration request per course per term **without** supporting documentation. Note that supporting documentation is **always** required for academic consideration requests for examinations scheduled by the office of the registrar (e.g., December and April exams) and for practical laboratory and performance tests (typically scheduled during the last week of the term).

Students should also note that the instructor may **designate** one assessment per course per term that requires supporting documentation. This designated assessment is described elsewhere in this document. Academic consideration requests may be denied when flexibility in assessment has already been included. Examples of flexibility in assessment include when there are assessments not required for calculation of the final grade (e.g. 8 out of 10 quizzes) or there is flexibility in the submission timeframe (e.g. 72 hour no late penalty period).

Please note that any academic considerations granted in this course will be determined by the instructor of this course, in consultation with the academic advisors in your Faculty of Registration, in accordance with information presented in this course syllabus. Supporting documentation for academic considerations for absences due to illness should use the Student Medical Certificate or, where that is not possible, equivalent documentation by a health care practitioner.

**Policy:** [Academic Consideration – Undergraduate Students in First Entry Programs](#)

**Procedures:** [Student Medical Certificate](#)

### Religious Holidays

Students should review the policy for Accommodation for Religious Holidays (Appendix 1). Where a student will be unable to write examinations and term tests due to a conflicting religious holiday, they should inform their instructors as soon as possible but not later than two weeks prior to writing the examination/term test. In the case of conflict with a midterm test, students should inform their instructor as soon as possible but not later than one week prior to the midterm.

**Policy:** [Accommodation for Religious Holidays](#)

## Special Examinations

A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examinations dates.

**Policy:** [Definitions of Types of Examinations](#)

### **B. Academic Appeals and Scholastic Offenses**

Students can file a **request for relief from academic decisions** if the request is based on one or more grounds listed in the policy. Requests for relief generally fall into three categories, which are also listed in the policy. All requests for relief must be supported by evidence. A request for relief from academic decisions process was formally referred to as an appeal. Refer to the policy and procedures about further details and timelines.

**Policy:** [Requests for Relief from Academic Decisions](#)

**Procedures:** [Undergraduate Student Academic Requests for Relief](#)

**Scholastic offences** are taken seriously, and students are directed to read the appropriate policy, specifically, the definition of what constitutes a scholastic offence.

**Policy:** [Scholastic Offences](#)

**Procedures:** [Undergraduate Scholastic Offences](#)

Students may **appeal** some academic and scholastic disciplinary decisions by a Dean or their designate, to the Senate Review Board Academic (SRBA).

**Policy:** [Senate Review Board Academic Appeals](#)

**Procedures:** [Senate Review Board Academic Appeals](#)

### **C. Accessibility Statement**

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Accessible Education (AE) at 661-2111 x 82147 for any specific question regarding an accommodation.

**Policy:** [Academic Accommodation for Students with Disabilities](#)

### **D. Correspondence Statement**

The centrally administered **e-mail account** provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner.

### **E. Discovery Credit Statement**

Students are permitted to designate up to 1.0 Discovery Credit course (or equivalent) for pass/fail grading that can be counted toward the overall course credits required for their degree program.

**Policy:** [Undergraduate Course Credit](#)

**Procedures:** [Discovery Credits](#)

## **F. Essay Course Guidelines**

The guidelines for the minimum written assignments refer to the cumulative amount of written work, including examinations. An essay course must normally involve total written assignments (essays or other appropriate prose composition) as follows:

- Full course (1000 to 1999): at least 3000 words
- Half course (1000 to 1999): at least 1500 words
- Full course (2000 and above): at least 5000 words
- Half course (2000 and above): at least 2500 words

and must be so structured that the student is required to demonstrate competence in essay writing to pass the course. The structure of the essay course must be such that in order to pass the course, the student must exhibit some minimal level of competence in essay writing and the appropriate level of knowledge of the content of the course.

**Policy:** [Course Numbering Policy, Essay Courses, and Hours of Instruction](#)

## **G. Statement on the Use of Electronic Devices**

Students are welcome to use electronic devices in class as long as they support participation and engagement with course materials. Active involvement is an important part of the learning process, so device use should enhance rather than detract from focus during discussions and activities. Students are also asked to be considerate of their peers by minimizing distractions. During tests and exams, device use is restricted to what is expressly permitted by the course coordinator.

## **H. Statement on the Use of Generative Artificial Intelligence (AI)**

Within this course, students are permitted to use AI tools exclusively for information gathering and preliminary research purposes. These tools are intended to enhance the learning experience by providing access to diverse information sources. However, it is essential that students critically evaluate the obtained information, exercise independent thinking, and engage in original research to synthesize and develop their own ideas, arguments, and perspectives. The use of AI tools can serve as a starting point for exploration, with students expected to uphold academic integrity by appropriately attributing all sources and avoiding plagiarism.

All assignments must reflect the student's own analysis and writing. Any sources, including AI tools, must be appropriately acknowledged to uphold academic integrity and avoid plagiarism. By following these guidelines, students contribute to a responsible learning environment that promotes critical thinking, independent inquiry, and original contributions.

## **I. Turnitin and other similarity review software**

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 Western University and [Turnitin.com](https://www.turnitin.com).

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.

**Policy:** [Evaluation of Academic Performance](#)

## **15. BMSUE Academic Policies and Statements**

### **A. Cell Phone and Electronic Device Policy (for in-person tests and exams)**

The Schulich School of Medicine & Dentistry is committed to ensuring that testing and evaluation are undertaken fairly across all our departments and programs. For all tests and exams, it is the policy of the School that any electronic devices, e.g., cell phones, tablets, cameras, smart glasses, smart watch or iPod are strictly prohibited. These devices MUST be left either at home or with the student's bag/jacket at the front of the room and MUST NOT be at the test/exam desk or in the individual's pocket. Any student found with one of these prohibited devices will receive a grade of zero on the test or exam and this will be documented as a Scholastic Offence. Non-programmable calculators are only allowed when indicated by the instructor. The program is not responsible for stolen/lost or broken devices.

### **B. Copyright and Audio/Video Recording Statement**

Course materials produced by faculty are copyrighted and to reproduce this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. You must always ask permission to record another individual and you should never share or distribute recordings.

### **C. Rounding of Marks Statement**

Across the Basic Medical Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. **Final grades** in this course are rounded to the nearest whole number based on the first decimal place. For example, a grade of 74.49 or lower will be rounded to 74, whereas 74.50 or higher will be rounded to 75.

Marks WILL NOT be arbitrarily increased to the next grade or GPA, e.g., a 79 will NOT be increased to an 80, and 84 WILL NOT be increased to an 85, etc. The mark attained is the mark you achieved, and the mark assigned; requests for arbitrary mark increasing will be denied. Marks will be assigned based on assessments in the syllabus and no extra work or tasks will be assigned to increase a mark.

**Course grade** rounding provisions, as described above, differ from cumulative and term averages. Cumulative and term averages will be calculated to two decimal places and rounded to the nearest whole number with .45 rounded up, for the purposes of admission to and progression in modules, scholarship retention, and Dean's Honour List.

**Policy:** [Marks/Grades; Definitions of Grades; Grading Scale for Undergraduate Students](#)

## **16. Support Services**

Students who are in emotional/mental distress should refer to Mental Health @Western <https://www.uwo.ca/health/> for a complete list of options about how to obtain help.

### **Statement on Gender-Based and Sexual Violence**

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

[https://www.uwo.ca/health/student\\_support/survivor\\_support/get-help.html](https://www.uwo.ca/health/student_support/survivor_support/get-help.html)

To connect with a case manager or set up an appointment, please contact [support@uwo.ca](mailto:support@uwo.ca).

Other important links:

- [Academic Advising \(Science and Basic Medical Sciences\)](#)

- [Learning Development and Success](#)
- [Office of the Registrar](#)
- [Wellness & Wellbeing](#)
- [Western USC Services](#)

## Appendix 1: Western University Academic Policies and Procedures

The policies and procedures listed in this syllabus are outlined in the table below. In some cases, a policy does not include an accompanied procedures document.

Academic Policy	Name of Policy/Procedure	Links
General Policy	Marks/Grades; Definitions of Grades; Grading Scale for Undergraduate Students	<a href="#">Policy</a>
General Policy	Structure of the Academic Year	<a href="#">Policy</a>
Registration, Progression, Graduation	Course Numbering Policy, Essay Courses, and Hours of Instruction	<a href="#">Policy</a>
Registration, Progression, Graduation	Undergraduate Course Credit	<a href="#">Policy</a> • <a href="#">Procedures</a>
Examinations	Definitions of Types of Examinations	<a href="#">Policy</a>
Examinations	Evaluation of Academic Performance	<a href="#">Policy</a>
Examinations	Examination Conflicts	<a href="#">Policy</a>
Rights and Responsibilities	Academic Accommodation for Students with Disabilities	<a href="#">Policy</a>
Rights and Responsibilities	Accommodation for Religious Holidays	<a href="#">Policy</a>
Rights and Responsibilities	Policy on Academic Consideration – Undergraduate Students in First Entry Programs	<a href="#">Policy</a> • <a href="#">Procedures</a>
Rights and Responsibilities	Requests for Relief from Academic Decisions (Undergraduate)	<a href="#">Policy</a> • <a href="#">Procedures</a>
Rights and Responsibilities	Requests for Relief from Academic Decisions (Graduate)	<a href="#">Policy</a> • <a href="#">Procedures</a>
Rights and Responsibilities	Scholastic Offences (Undergraduate)	<a href="#">Policy</a> • <a href="#">Procedures</a>
Rights and Responsibilities	Senate Review Board Academic Appeals	<a href="#">Policy</a> • <a href="#">Procedures</a>