

Medical Sciences / One Health
4100G

Course outline for Winter 2022



Although this academic year might be different, Western University is committed to a **thriving campus**. We encourage you to check out the [Digital Student Experience](#) website to manage your academics and well-being. Additionally, the following link provides available resources to support students on and off campus: <https://www.uwo.ca/health/>.

1. Technical Requirements:



Stable internet connection



Laptop or computer



Working microphone



Working webcam

2. Important Dates:



Classes Begin	Classes End
Monday, January 10, 2022	Friday, April 8, 2022

* March 7, 2022: Last day to drop a second-term half course without academic penalty

Reading Week	Study day(s)	Exam Period
February 19–27	April 9	April 10–30

3. Contact Information:

Use OWL to efficiently communicate with the course coordinator and teaching assistants



Course Coordinator	Contact Information
Patti Kiser	Use OWL message (preferred) Or pkiser@uwo.ca

Instructor(s) or Teaching Assistant(s)	Contact Information
Lara Gerhardt	lgerhard@uwo.ca
Seventhi Ravichandran	sravic3@uwo.ca
Linda Wang	hwang882@uwo.ca

4. Course Description and Design

Delivery Mode: [dependent on UWO policy]

Introduction to Medical Sciences

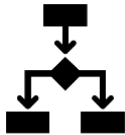
An introduction to the field of laboratory animal science and comparative human and animal pathology. Major topics include regulatory oversight of animal-based research, animal biology and disease, animals as models of human diseases, genetic manipulation of research animals, and major intrinsic and extrinsic factors affecting biomedical research

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.

Timetabled Sessions

Component	Date(s)	Time
Virtual asynchronous lectures	T/Th	2 hours
Virtual synchronous office hours (optional;not recorded)	Th	10:30-11:00
In-person lectures (pending UWO approval)	T/Th	10:30-11:20



NOTE: Initial course content will be delivered entirely online, either synchronously (i.e., at times indicates in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience) The In the event of transition to in-person classes, virtual lectures will be discontinued. Lecture slides and with recorded audio will be available on OWL within 48 hours of the in-person lecture.

- Asynchronous pre-work must be completed [days] prior to sessions
- Missed work should be completed within 24 hours
- An audio recording will be provided of in-person sessions (dependent on COVID-19 related university policies)
- Closed captioning will be provided on audio or video recordings

All course material will be posted to OWL: <http://owl.uwo.ca>. Any changes will be indicated on the OWL site and discussed with the class.

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

[Google Chrome](#) or [Mozilla Firefox](#) are the preferred browsers to optimally use OWL; update your browsers frequently. Students interested in evaluating their internet speed, please click [here](#).

5. Learning Outcomes



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

- Identify and describe how wildlife, livestock, companion animals, and laboratory research animals are fundamental in the One Health paradigm
- Critically assess species applicability as a model for disease
- Effectively communicate academic findings in written form

6. Course Content and Schedule



Week	Dates	Topic	Instructor
1	Jan 10–14	Introduction	Kiser
2	Jan 17–21	Animal populations	Kiser
3	Jan 24–28	Animals vs. Humans	Kiser
4	Jan 31–Feb 4	Comparative Pathology	Kiser
5	Feb 7–11	Wildlife	Kiser
6	Feb 14–18	Livestock	Kiser
7	Feb 21–25	Reading Week	N/A
8	Feb 28–Mar 4	Companion Animals	Kiser
9	Mar 7–11	Lab Animals Comp Med	Kiser
10	Mar 14–18	Disease focus	Kiser
11	Mar 21–25	Disease focus	Cameron Kiser
12	Mar 28–Apr 1	Disease focus	Kiser
13	April 4-8	Disease focus Lab animal regulatory	Gatchell Pickering

7. Participation and Engagement



- Students are expected to participate and engage with content as much as possible
- Students can participate during [] sessions or post on [] after watching the recording
- Students can also participate by interacting in the forums with their peers and instructors

8. Evaluation

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

Assessment	Format	Weighting (%)	Due Date
Essay	Topic submission	2	January 20
	General outline	4	February 8
	Full essay*	8	March 10
	Full essay revisions* (Essay only*)	16 (24)	April 5 (April 5)
Assignments	Written assignments (x6)	30	January 18 February 1 February 15 March 3 March 17 March 29
Participation	In-class discussion	10	February 1 February 17 March 1 March 10
Final exam	Take-home written essay	30	Final exam period (date pending)

* 'Full essay' will be marked and returned with feedback, which allows for resubmission as 'Full essay revisions' (two-step process). Instead of submitting two versions of the full essay for grading, students have the option to submit only one full essay on April 5 ('Essay only'). The 'Essay only' option will be weighted at 24% of the final grade, which reflects the combined points originally designated for the two-step process (8%+16%).



- All assignments are due at 11:55 pm EST unless otherwise specified
- Written assignments will be submitted to Turnitin (statement in policies below)
- Students will have unlimited submissions to Turnitin
- Rubrics will be used to evaluate assessments and will be posted with the instructions
- 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

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

- Late assessments without self-reported absences or accommodation will be subject to a late penalty of 10%/day (e.g. assignment worth 10 points; minus 1 point per day late).
- Late assessments with self-reported absences or accommodation should be submitted within 24 hours of the end of the self-report or accommodation (e.g., due Fri 11:55 pm; self-report covers Fri/Sat; new deadline is Sun by 11:55 pm OR 24 hours after the end of the accommodation period). If submitted after the 24 hour extension at the end of accommodation, assessments will be subject to a late penalty of 10%/day.

- An assessment cannot be submitted after it has been returned to the class; an alternate assessment will be assigned
- If a make-up assessment is missed with documentation, the student will receive an INC and complete the task the next time the course is offered

9. Communication:



- Students should check the OWL site every 24 – 48 hours
- Students should email their instructor(s) and teaching assistant(s) using OWL
- Emails will be monitored daily; students will receive a response in 24 – 48 hours
- This course will use Zoom for discussions that cannot be held in-person
- 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 will be held remotely using Zoom or in-person
- Open office hours will be held Thursdays, 10:30am-11:00am via Zoom while the course is online (in-person class will transition to different office hours).
- Individual office hours will be booked via OWL
- Office hours will be individual or group

11. Resources



- All resources will be posted in OWL
- 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
- 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

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 time at the start of each week to get organized and manage your time.
2. Make it a daily habit to log onto OWL to ensure you have seen everything posted to help you succeed in this class.
3. Follow weekly checklists created on OWL or create your own to help you stay on track.
4. Take notes as you go through the lesson material. Treat this course as you would a face-to-face course. 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 and Statements

Absence from Course Commitments

[Policy on Academic Consideration for Student Absences](#)

If you are unable to meet a course requirement due to illness or other serious circumstances, you must seek approval for the absence as soon as possible. Approval can be granted either through a **self-reported absence** or via the **Academic Counselling** unit. Students have two self-reports to use throughout the academic year; absence from course commitments including tests, quizzes, presentations, labs, and assignments that are worth 30% or less can be self-reported. Self-reported absences cover a student for 48 hours (yesterday + today or today + tomorrow). Your instructor will receive notification of your consideration; however, you should contact your instructor immediately regarding your absence. Students are expected to submit missed work within 24 hours of the end of the 48-hour period. Please review details of the [university's policy on academic consideration for student absences](#).

If you have used both their self-reported absences or will miss more than 48 hours of course requirements, a Student Medical Certificate (SMC) should be signed by a licensed medical or mental health practitioner and you should contact academic counselling. Academic Counselling will be operating virtually this year and can be contacted at scibmsac@uwo.ca.

Accommodation for Religious Holidays

The policy on Accommodation for Religious Holidays can be viewed [here](#).

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. These dates as well as other important information about examinations and academic standing can be found [here](#).

Academic Offenses

“Scholastic offences are taken seriously, and students are directed [here](#) to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence.

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 or review [The policy on Accommodation for Students with Disabilities](#).

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. You can read about the privacy and security of the UWO email accounts [here](#).

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. The details of this policy and the deadlines can be found [here](#).

Essay Course Guidelines

The guidelines for the minimum written assignments refer to the cumulative amount of written work in a course but excludes written work in examinations. You can read about essay course guidelines [here](#).

An essay course must normally involve total written assignments (essays or other appropriate prose composition, excluding examinations) 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

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.

Turnitin and other similarity review software

All assignments will be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. Students will be able to view their results before the final submission. 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](#).

15. BMSUE Academic Policies and Statements

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, i.e., cell phones, tablets, cameras, 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. Non-programmable calculators are only allowed when indicated by the instructor. The program is not responsible for stolen/lost or broken devices.

Copyright and Audio/Video Recording Statement

Course material produced by faculty is 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.

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** on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g., 74.4 becomes 74, and 74.5 becomes 75. Marks **WILL NOT** be bumped to the next grade or GPA, e.g. a 79 will **NOT** be bumped up to an 80, an 84 **WILL NOT** be bumped up to an 85, etc. The mark attained is the mark you achieved, and the mark assigned; requests for mark "bumping" will be denied.

16. Support Services

The following links provide information about support services at Western University.

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

[Appeal Procedures](#)

[Registrarial Services](#)

[Student Development Services](#)

[Student Health Services](#)