





**DEPARTMENT OF PATHOLOGY & LABORATORY MEDICINE
ONE HEALTH PROGRAM**

One Health 3300A/B – Foundations of One Health

Course Syllabus for Fall 2021

TECHNICAL REQUIREMENTS

	Stable internet connection		Laptop or computer
	Working microphone		Working webcam

IMPORTANT DATES

Classes Start	Reading Week	Classes End	Study Day(s)	Exam Period
September 8	November 1–7	December 8	December 9	December 10–21

**November 12, 2021: Last day to drop a Fall Term half course or a Fall Term full course without penalty*

CONTACT INFORMATION

Course Coordinator & Instructor	Contact Information
Stephanie J. Frisbee, PhD, MSc Assistant Professor, Department of Pathology & Laboratory Medicine	<i>All communication will be conducted through OWL; please use the "Messages" feature in OWL to contact the instructors and TA.</i>
Program Coordinator	
Cheryl Campbell Undergraduate Education Program Coordinator, Department of Pathology	
Teaching Assistant	
Joel Zhang, BSc MSc Candidate, One Health Department of Pathology & Laboratory Medicine	

COURSE DESCRIPTION AND DELIVERY

The core concepts and foundational approaches fundamental to the multi-sectoral and collaborative discipline of One Health are presented in lectures and case studies. Topics covered include the history, evolution, and scope of the field, and the three foundational pillars of One Health (human health, animal health, and environmental health).

Anti-requisite(s): None

Pre-requisites: Biology 1001A and 1002B; Biology 2244A/B or Statistical Sciences 2244A/B; registration in 3rd or 4th year of BSc or BSc

Co-requisites: None

Delivery Mode: Hybrid

Mode	Dates	Time	Frequency
Virtual Asynchronous	Weekly lessons are posted Saturday (@noon)	Approx. 1 hour (not incl. reading, activities, preparation for in-person sessions or quiz)	Weekly
In-Person Session	Thursdays	Group 1: 8:30AM-9:20AM Group 2: 9:30AM-10:20AM	Weekly in NSC7
Open Office Hours*	Tuesdays	8:30AM-9:30AM	Weekly via Zoom

**The Zoom link will be posted in the course calendar on OWL. Open office hours are intended for general course questions and discussion of course content. Students may request an individual meeting with the Instructor for issues that cannot be discussed during the Open Office Hours.*

Asynchronous pre-work must be completed prior to weekly in-person sessions.

COURSE LEARNING OUTCOMES

This course represents a core learning experience for students in One Health or those interested in learning more about One Health. Fundamental concepts in One Health will be emphasized, including the history, evolution, and scope of the field, and the foundational pillars of One Health, specifically human health, animal health, and environmental health. Additionally, the role of a One Health approach in informing health policy and integrating One Health into governance systems will be introduced. Students will synthesize and integrate these fundamental concepts during critical evaluations of contemporary One Health case studies.

Course Learning Objectives

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

1. Explain the field of One Health, its definition, scope, and how and why it has emerged as an independent field of study;
2. Describe the three main pillars of One Health and discuss the origins and determinants of health in each these pillars;
3. Identify and interpret the complex biologic connections and interdependence between the three main pillars of One Health;
4. Discuss and evaluate major health challenges facing society using a One Health approach;
5. For a given health problem, identify, discuss, and evaluate non-health consequences, such as cultural, socioeconomic, and economic consequences, and the role of key stakeholders using the One Health approach;
6. Evaluate health challenges and formulate possible solutions to these problems using a One Health approach;
7. Use the One Health scientific literature and apply the broader scientific literature to a One Health problem.

COURSE CONTENT AND WEEKLY SCHEDULE

****Please note: The Instructors reserve the right to adjust the weekly course topics, lecturers, readings, and / or in-class activities as necessary. Any and all changes will be communicated to students via OWL.**

Week	Dates	Topic
1	Sept 8–12	<u>Introduction</u> : Welcome to OH3300!!
2	Sept 13–19	<u>Lesson 1</u> : History, Development & Scope of One Health
3	Sept 20–26	<u>Lesson 2</u> : Animal Health
4	Sept 27–Oct 3	<u>Lesson 3</u> : Ecosystem/ Environmental Health
5	Oct 4–10	<u>Lesson 4</u> : Human Health
6	Oct 11–17	<u>Lesson 5</u> : Social Determinants of Health
7	Oct 18–24	<u>Lesson 6</u> : Detection
8	Oct 25–Oct 31	<u>Lesson 7</u> : Prevention
9	Nov 1–7	Fall Break Week
10	Nov 8–14	<u>Lesson 8</u> : Response
11	Nov 15–21	<u>Lesson 9</u> : Context, Economics, Culture (& Policy!)
12	Nov 22–28	<u>Lesson 10</u> : Stakeholders, Implementation, Translation
13	Nov 29–Dec 5	Review for Final Exam
14	Dec 6–8	<i>(No class this week – Fall Term classes end on Wednesday)</i>

General Weekly “Flow”:

- Lesson Materials Released: Saturday. @noon (preceding the first day of the week listed in the table, above)
- Weekly Open Online Office Hours: Tuesdays 8:30AM-9:30AM
- Weekly Class Meeting: Thursdays – Group 1@8:30AM, Group 2@9:30AM in Natural Sciences Room 7
- Weekly Quiz: Available from Thursday @8PM to Monday @7:55PM

COURSE MATERIALS & RESOURCES

All resources will be posted in OWL.

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](#).

EVALUATION

Assessment	Format	Weighting	Due Date
Quizzes	<p>Online in OWL (Quiz & Exam Portal).</p> <p>Each quiz will be 20 min. long and consist of 20 points from true/false, multiple-choice, matching etc. questions.</p> <p>Questions will be drawn from a question bank and displayed in a random order, so no two quizzes / quiz questions will be identical. Additionally, questions will be displayed in</p>	<p>15%</p> <p>A total of 10 quizzes will be available (one for each Lesson) throughout the Term. The best 6 quizzes will be included in the student’s final grade.</p> <p>Quizzes are worth 15% of the final grade. Each quiz is worth 2.5%.</p>	<p>Weekly quizzes will “open” in OWL at 8PM on the Thursday evening of each week and “close” at 7:55PM on the following Monday.</p> <p>Because any individual quiz is not mandatory, requests for extensions or late submissions for medical or self-reported absences will not be granted. No exceptions.</p>

Assessment	Format	Weighting	Due Date
	<p>“linear access” only (i.e., can only move forward through questions and not backwards (cannot re-visit questions)) .</p> <p>Any material from each Lesson, including the learning objectives and outcomes, readings, lecture, or topics discussed in the weekly in-person class sessions, may be included in the quiz for that Lesson.</p>		
Term Project	<p>The Term Project will be completed in a group (group membership has been randomly assigned by OWL).</p> <p>The Term Project is designed to allow students to investigate a health problem of interest in-depth, to reinforce course material and learning objectives, and to provide students with the opportunity to evaluate health challenges and formulate possible solutions to these problems using a One Health approach.</p> <p>Topics (plus a brief description of objective) must be approved, in writing. Additionally, topics must be unique, meaning that students may <u>NOT</u> select a topic too similar to a topic from a previous year’s topic <u>OR</u> a topic already selected / approved in the current class. A list of “taken” topics will be posted in OWL (Term Project Info). Dr. Frisbee’s adjudication on ‘acceptable topics’ is final. Students who submit a final, written Term Project on a non-approved topic will be assigned a grade of zero (“0”).</p>	<p>30%</p> <p>A detailed description of the Term Project and grading rubrics will be posted for students in OWL (Term Project Info).</p> <p>It is the intention that all students in the group receive the same grade, though a student may not receive the same grade as their group members if it is determined that the distribution of work was not equal.</p>	<p>Submission of the Term Project topic and a brief description is mandatory, though it will not be graded. It is due at 8PM on 10/10/2020 via OWL (Assignment Portal). Students must receive written approval for their topic; revisions in topics or project focus may be required.</p> <p>Submission of a detailed writing outline for the Term Project is optional. If submitted, feedback will be provided using the rubric posted in OWL (Term Project Info). It is due at 11:55PM on 10/24/2021 via OWL (Assignment Portal).</p> <p>Submission of the final, written Term Project is mandatory. It is due at 11:55PM on 11/28/2021 via the OWL (Assignment Portal).</p> <p>For optional components of the Term Project, requests for extensions or late submissions for medical or self-reported absences will not be granted. No exceptions.</p> <p>The final, written Term Project is a group project. Late submissions will only be accepted if <u>ALL</u> members of the group have a documented medical or self-reported absence. In such a situation, the final, written Term Project must be submitted within 24 hours of the end of the medical or self-reported absence.</p>
Participation Weekly In-	The Instructor and TA will assess each student’s participation during weekly in-	10%	<p>Weekly</p> <p>Students will be provided feedback on their standing for</p>

Assessment	Format	Weighting	Due Date
Person Sessions	<p>person sessions. It is noted that this is NOT an assessment, of attendance, but an evaluation of the quality of student's engagement and participation in discussions during the weekly in-person sessions.</p> <p>To facilitate this evaluation, students are asked to please bring a "tent card" with their name written in large, clear printing (for your old-ish Instructor (-:) to place on the front of their desk during each weekly in-person session.</p>		this evaluation at the approximate half-way point of the Term.
Peer Evaluation	Each Term Project group member will evaluate all other group member using a standard evaluation tool. Evaluations will be submitted via OWL.	10% Peer evaluations for each student will be averaged.	11:55PM on 12/5/2021 via OWL. Students are required to submit evaluations for all Term Project group members; a student's coursework will be considered incomplete if all evaluations are not submitted.
Final Exam	<p>24-hour take-home, open book final exam</p> <p>The final exam will be cumulative and summative in nature, meaning that any material covered during the course, including the student's Term Project, may be included in the final exam. Questions on the final exam may any mix of multiple-choice, matching, definitions, short answer, long (essay) answer etc.</p>	35%	<p>The exam will be released at noon (ET) on Friday, December 10, 2021 and student responses will be due no later than noon (ET) on Saturday, December 11, 2021. Students will submit their responses (MS Word or PDF document) via OWL. Final exam submissions will be evaluated using TurnItIn. No late exams will be accepted. Downloading the exam indicates the student's intent to complete the final exam; failure to submit responses by the due date / time will result in a grade of "0" ("zero"). While the final exam will be "open book", each exam will be unique.</p> <p><i>[PLEASE NOTE: the exact timing of the final exam is pending approval; the general format and total weight (35%) will not change.]</i></p>

- All assignments are due at the times and dates specified. Late submission or extension for any non-mandatory assessment will not be granted. No exceptions.
- Final, written Term Projects AND final exams will be submitted to and evaluated by Turnitin. Students will have unlimited submissions to Turnitin. Students who submit Term Projects or final exams with identified, significant plagiarism may be given a final grade of "0" ("zero").
- Rubrics will be used to evaluate the Term Project will be posted with the instructions.

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:

- Extensions or late submissions for weekly quizzes will not be accepted for any reason, including documented or self-reported illness. No exceptions. This includes instances nearing the end of the Term where students have not yet completed 6 weekly quizzes. **PLAN YOUR TERM WISELY.**
- Late submission or extension for any non-mandatory component of the Term Project will not be granted. No exceptions.
- For the final, written Term Project, late submissions will only be accepted if ALL members of the group have a documented medical or self-reported absence. In such a situation, the final, written Term Project must be submitted within 24 hours of the end of the medical or self-reported absence (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) or all students in the group will receive a grade of "0" ("zero").
- Students not completing the exam during the regularly scheduled time will be required to complete an alternate format exam at either (1) the make-up time scheduled by the Registrar or (2) at the time of the next schedule final exam for One Health 3300 (Fall 2022). Students failing to complete the alternate format exam at either of the 2 above times will receive a grade of "0" ("zero") for their final exam.

COMMUNICATION

- Students should check the OWL site every 24 – 48 hours.
- Students should email the Instructor and Teaching Assistant using OWL "messages".
- Emails will be monitored daily; students will receive a response in 24 – 48 hours.

OFFICE HOURS

- Open Office Hours will be held weekly via Zoom, on Tuesdays from 8:30AM-9:30AM. A link and password for each session will be posted in the OWL class calendar.
- For issues that cannot be discussed in the Open Office Hours, students are also able to make an individual appointment with the Instructor by contacting the Instructor through OWL messages to arrange a date and time for the appointment.

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.
- Recordings posted in OWL are not to be distributed.
- Information about academic integrity will be provided for all students in the course OWL site ("Academic Integrity"). Students are expected to review this information and will be responsible for acting in accordance with the expectations outlined in these materials throughout the Term. Students are strongly encouraged to review these materials at the *beginning of the Term*.
- All students will be required to complete an Academic Integrity Checklist (Quiz & Exam Portal). Students must complete this checklist at the beginning of the Term. A student's coursework will be considered incomplete if this checklist is not successfully completed.

- ☒ Students will be expected to take an academic integrity pledge before all assessments.
- ☒ All recorded sessions will remain within the course OWL site; recorded sessions are NOT to be taken outside the course OWL site (e.g., saved to a student's computer or distributed).
- ☒ While the final exam is a take-home, open book exam, per the policies of the University and Dean's office the final exam is to be completed independently by the student enrolled in this course and ONLY the student enrolled in this course. Any evidence of working with other students or with other individuals not enrolled in this course will be considered academic misconduct. Any such misconduct will be reported to the Associate Dean, will result in a grade of "zero" ("0") on the final exam, and will be subject to all available University sanctions up to and including expulsion.

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. Create weekly checklists based on tasks, assignments, and due dates in OWL 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 a 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.

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. Science and BMSc students can contact academic counselling through the Help Portal: <https://www.uwo.ca/sci/counselling/>

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 Offences

“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](#).

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](#).

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

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](#)

COVID “TAKE CARE” POLICIES

- Western has both a vaccine and a mask mandate
- Students must complete the symptom checklist every day. Students who are found to be on campus who have not completed the symptom checklist or have failed the daily symptom check will be referred for investigation under the Student Code of Conduct.
- Students are expected to carry their student cards to campus each day in anticipation of spot checks by Building Ambassadors.
- Students not wearing masks will be asked to leave the classroom. Students with accommodations approved by Accessible Education must make arrangements with the instructor before coming to class, lab, practicum or clinical site.
- Eating and drinking is prohibited in the classroom to facilitate proper mask wearing. Individuals found to have attended class without appropriate vaccination, or who are found to have engaged in fraud related to the vaccination policy, will face academic sanctions up to and including expulsion.
- Students who are not fully vaccinated by October 12th and who are not granted an exemption under the policy will be issued a trespass order. Enforcement of this trespass order will be carried out by campus police, and will be accompanied by academic sanctions, including expulsion.
- Please be respectful of your classmates and your instructors at all times, as we navigate re-entry.