

ONE HEALTH 3300A/B FOUNDATIONS IN ONE HEALTH

Regularly Scheduled Class Meeting Time

September 5, 2019 – December 6, 2019
Tuesdays 8:30AM – 9:30AM & Thursdays 8:30AM – 10:30PM
University College Room 1105

Course Co-Lead Instructors

Dr. Stephanie J. Frisbee, PhD, MSc (sfrisbee@uwo.ca)
Dr. Francisco Olea-Popelka, DVM, PhD, MSc (foleapop@uwo.ca)
Department of Pathology and Laboratory Medicine
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Coordinator

Cheryl Campbell (ccampbel@uwo.ca)
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Course Teaching Assistant

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Course Description

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).

<u>Anti-requisite(s):</u>	None
<u>Pre-requisites:</u>	Biology 1001A and 1002B; Biology 2244A/B or Statistical Sciences 2244A/B; registration in 3rd or 4th year of BMSc or BSc
<u>Co-requisites:</u>	None
<u>Course Information:</u>	3.0 hours per week; 0.5 FCE course

Course Summary

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 studies.

This class will meet twice weekly. Class sessions will be dedicated to reviewing topics and concepts, and discussions of One Health research and in-class activities. Students will have the opportunity to interact with a wide range of faculty actively engaged in One Health research. Students are expected to attend all class sessions.

Course Learning Objectives

Upon completion of this course, students should:

1. Have an understanding of the field of One Health, its definition, scope, and how and why it has emerged as an independent field of study;
2. Be able to identify and discuss the three main pillars of One Health;
3. Use specific disease- and environmental examples to describe and discuss the fundamental principles of One Health;

4. Identify and discuss major health challenges facing society using the One Health approach
5. For a given health problem, identify and discuss the role of key stakeholders using the One Health approach
6. Identify and discuss both challenges and possible solutions to health problems using the One Health approach
7. Gain familiarity with the One Health scientific literature
8. Critically appraise the scientific literature using the One Health approach

Course OWL Site

This course has an OWL site, which will be used extensively throughout the term for readings, quizzes, the term project, among others. The course OWL site can be found at: <https://owl.uwo.ca/portal> . If students encounter issues using OWL, please see: <https://owl.uwo.ca/portal/site/owldocs> .

Course Materials

The following text is required for this course and will serve as the basis for lectures and in-class activities. This text is available, free of charge, to all students through the “online resources” at the Western Libraries.

Deem SL, Lane-deGraaf KE, Rayhel EA. *Introduction to One Health: An Interdisciplinary Approach to Planetary Health*. Hoboken, NJ: Wiley Blackwell; 2019. [Available at: <https://www.lib.uwo.ca/cgi-bin/ezpauthn.cgi?url=https://ebookcentral.proquest.com/lib/west/detail.action?docID=5572466>]

The following texts may also serve as supplemental resources for students. When available, links to the reference at the Western Libraries or other source is listed.

Atlas, R. M., & Maloy, S. R. (2014). *One Health: People, Animals, and the Environment*. Washington, DC: ASM Press. [Western Library Resource: Book In Library, WC950.058 2014, Taylor Library Stack 4 (S4) - Regular Loan]

Cork, S. C., Hall, D. C., & Liljebjelke, K. A. (2016). *One Health Case Studies: Addressing Complex Problems in a Changing World*. Sheffield, United Kingdom: 5M Publishing. [Western Library Resource: Online Resource, Record # b7322015]

Veterinarians without Borders Canada. (2010). *One Health for One World: A Compendium of Case Studies*. Prepared by Veterinarians with-out Borders / Vétérinaires sans Frontières - Canada with support from the Public Health Agency of Canada. [Available at: <https://www.vetswithoutborders.ca/images/pdfs/OHOW%20Compendium%20Case%20Studies.pdf>]

Walton, M. (Ed.). (2019). *One Planet, One Health*. AUSTRALIA: Sydney University Press. doi:10.2307/j.ctvggx2kn [Open Access Resource: <http://www.oapen.org/download/?type=document&docid=1004812>]

Zinsstag J., Schelling E., Waltner-Toews D., Whittaker M., Tanner M., (Eds.). (2015). *One Health: The Theory and Practice of Integrated Health Approaches*. Oxford, UK and Boston, MA.: CABI International.

Additionally, multiple additional readings, web-based materials, and materials for in class activities may be provided throughout the term. These materials will be available to students, free-of-charge, through the course OWL site.

Assessments & Evaluation

The student’s grade for this course will be determined as follows:

	COMPONENT	% OF FINAL GRADE
Tests & Exams	Mid-Term Test (one only)	15%
	Final Exam	30%
Quizzes	Short Quizzes (8 available; best 5 count)	10% (Total) (5@2% Each)
	Term Project	45% (Total)
	Part 1: Title and Proposed Summary & Goals	2.5%
	Part 2: Annotated Bibliography	5%
	Part 3: Detailed Writing Outline	5%
	Part 4: Full Draft	10%
	Part 5: Evaluation of Peer Full Draft	5%
	Part 6: Final, Revised Report “Response to Reviews”	15% 2.5%
	TOTAL	100%

Mid-Term Test and Final Exam: The mid-term test and final exams may include definitions, short answer, and essay questions. The mid-term test will be held during Week 8 of the term (see weekly class schedule, below) during regularly scheduled class time. The Final Exam will be held during the December examination period; the date and time for the Final Exam will be posted in the OWL course site when it is available from the Registrar.

Quizzes: Eight total quizzes, consisting of 5 questions each, will be available for students to complete throughout the term. The five quizzes with the highest grades will be included in the student's final grade, each contributing 2% to the final grade. Quizzes will be completed in OWL and may consist of multiple choice, matching, and true-false questions that assess knowledge and understanding of key terms and concepts covered in weekly class sessions, readings, and / or in-class activities. On weeks when quizzes are available, students will complete the quiz in OWL at a time of their convenience between noon on the Sunday of that week and 11:55PM on the Monday; that is, each quiz will be available for 36 hours. Once started, the quiz may not be paused and must be completed within 15 minutes. Questions will be drawn randomly from a question bank and displayed in a random order. Quizzes are listed in the Weekly Course Schedule, below. Please note: as students are given flexibility regarding the number and timing of quizzes they can take throughout the term, extensions or considerations for illness or other absences will not be granted under any circumstances; please plan accordingly.

Term Project: 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 apply, analyze and evaluate the health problem of interest using a one health approach. The Term Project is divided in to six distinct parts, with due dates for these parts spread throughout the term. Detailed instructions for the Term Project, the six distinct parts, and grading rubrics, are provided separately and available in the course OWL site. All parts in the Term Project will be submitted through OWL and evaluated by TurnItIn. Please note: all parts to the Term Project are due on the date and time listed in this Syllabus. For each 24 hour period, or part thereof, that any part of the Term Project is submitted after the posted date and time, 25% will be deducted from the earned grade. No part of the assignment will be accepted if it is submitted more than 4 days (four 24 hour periods, or part thereof) after the posted due date and time. Please plan accordingly.

Instructor Information and Course Faculty

The lead course instructors for this course are Drs. Francisco Olea-Popelka and Stephanie Frisbee. Their full contact information is listed below. Please direct all questions regarding course content, assessments (quizzes, mid-term test, final exam, term project), grades, the OWL site, or other course questions or concerns to Drs. Olea-Popelka or Frisbee.

Dr. Francisco Olea-Popelka, DVM, PhD, MSc
Beryl Ivey Endowed Chair in One Health
Associate Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: foleapop@uwo.ca
Office Hours: By appointment

Dr. Stephanie J. Frisbee, PhD, MSc
Assistant Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: sfrisbee@uwo.ca
Office Hours: By appointment

In addition to Drs. Olea-Popelka and Frisbee, multiple other members of faculty will contribute their time, knowledge, and expertise and to this course. These faculty and their contact information are listed below, in alphabetic order. Students are most welcome to contact these members of faculty should they have questions directly related to the content (lectures) delivered. Please do not contact these members of faculty with questions about any aspect of course assessment, including due dates, quizzes, etc.

Dr. Ana Cabrera, PhD, MSc
Clinical Microbiologist & Assistant Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: ana.cabrera@lhsc.on.ca

Dr. Lisa Cameron, PhD
Associate Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: lisa.cameron@schulich.uwo.ca

Dr. Candace Gibson, PhD
Assistant Dean & Associate Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: candaceg@uwo.ca

Dr. Patti Kiser, DVM, PhD, MSc
Assistant Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: pkiser@uwo.ca

Dr. Gerald McKinley, PhD, MA
Assistant Professor
Department of Pathology & Laboratory Medicine
University of Western Ontario
Email: gmckinl@uwo.ca

Dr. Salah Uddin Khan (“Dr. Uddin”)
CIHR Health System Impact Fellow
Department of Population Medicine
Ontario Veterinary College
University of Guelph
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Dr. Nina Zitani, PhD
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Dr. Ed Topp, PhD
Research Scientist
Agriculture & Agri-Food Canada
and
Adjunct Professor
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Dr. Lloy Wiley, PhD
Assistant Professor
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University of Western Ontario
Email: lwylie2@uwo.ca

[Weekly Course Schedule begins on next page]

Weekly Course Schedule**

**Please note: while the due dates for quizzes, mid-term tests, the term project, or the final exam will not deviate or change from what is listed in this schedule, 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	DATE	TOPIC	READINGS* / IN-CLASS ACTIVITIES / DUE DATES <i>*Unless otherwise stated, all listed readings ("Chapters") are from the Deem SL text</i>	FACULTY
Week 1	Thurs., Sept. 5 th 8:30AM-10:30AM	Course Welcome & Introductions Review of Syllabus	Readings: None Due Dates: None	Dr. Olea-Popelka Dr. Frisbee
Week 2	Tues., Sept. 10 th 8:30AM-9:30AM	Defining One Health History & Development of One Health The Case for the One Health Approach	Readings: <ul style="list-style-type: none"> Chapter 1 "Why One Health?" Chapter 2 "Our Interconnected World" Chapter 3 "Greatest Threats to Planetary Health" Due Dates: <ul style="list-style-type: none"> Topic for Term Report to be emailed to Dr. Olea-Popelka for approval 	Dr. Olea-Popelka
	Thurs., Sept. 12 th 8:30AM-10:30AM	History of Human Medicine and One Health	Readings: <ul style="list-style-type: none"> Chapter 6 "Human Health as One Health" Due Dates: None	Dr. Gibson
Week 3	Tues., Sept. 17 th 8:30AM-9:30AM	Animal Health	Readings: <ul style="list-style-type: none"> Chapter 5 "Animal Health as One Health" Materials for "Animal Health In-Class Activity" will be distributed via OWL Due Dates: <ul style="list-style-type: none"> Quiz #1 available from noon on Sunday, September 15th, 2019 and due (closes) at 11:55PM on Monday, September 16th, 2019 Part 1 of Term Report due by 5PM (submit via OWL) 	Dr. Kiser
	Thurs., Sept. 19 th 8:30AM-10:30AM	Animal Health	Readings: <ul style="list-style-type: none"> Chapter 5 "Animal Health as One Health" In-Class Activity: <ul style="list-style-type: none"> Animal Health Due Dates: None	Dr. Kiser
Week 4	Tues., Sept. 24 th 8:30AM-9:30AM	Zoonoses	Readings: <ul style="list-style-type: none"> Chapter 2 "Our Interconnected World" Chapter 3 "Greatest Threats to Planetary Health" Materials for "Zoonoses In-Class Activity" will be distributed via OWL Due Dates: <ul style="list-style-type: none"> Quiz #2 available from noon on Sunday, September 22nd, 2019 and due (closes) at 11:55PM on Monday, September 23rd, 2019 	Dr. Olea-Popelka
	Thurs., Sept. 26 th 8:30AM-10:30AM	Zoonoses	Readings: <ul style="list-style-type: none"> Chapter 2 "Our Interconnected World" Chapter 3 "Greatest Threats to Planetary Health" In-Class Activity: <ul style="list-style-type: none"> Zoonoses Due Dates: <ul style="list-style-type: none"> Part 2 of Term Report due by 5PM (submit via OWL) 	Dr. Olea-Popelka
Week 5	Tues., Oct. 1 st 8:30AM-9:30AM	Clinical Zoonosis – Animal-to-Human Transmission	Readings: <ul style="list-style-type: none"> Chapter 3 "Greatest Threats to Planetary Health" Chapter 5 "Animal Health as One Health" Due Dates: <ul style="list-style-type: none"> Quiz #3 available from noon on Sunday, September 29th, 2019 and due (closes) at 11:55PM on Monday, September 30th, 2019 	Dr. Cabrera

WEEK	DATE	TOPIC	READINGS* / IN-CLASS ACTIVITIES / DUE DATES <i>*Unless otherwise stated, all listed readings ("Chapters") are from the Deem SL text</i>	FACULTY
	Thurs., Oct. 3 rd 8:30AM-10:30AM	Antimicrobial Resistance – Human and Clinical Perspectives	Readings: <ul style="list-style-type: none"> Chapter 3 “Greatest Threats to Planetary Health” Chapter 5 “Animal Health as One Health” Due Dates: None	Dr. Cabrera
Week 6	Tues., Oct. 8 th 8:30AM–9:30AM	Term Project Discussion	Readings: None Due Dates: None	Dr. Frisbee
	Thurs., Oct. 10 th 8:30AM-10:30AM	Biodiversity	Readings: <ul style="list-style-type: none"> Chapter 3 “Greatest Threats to Planetary Health” Chapter 4 “Environmental Health as One Health” Due Dates: <ul style="list-style-type: none"> Part 3 of Term Report due by 5PM (submit via OWL) 	Dr. Zitani
Week 7	Tues., Oct. 15 th 8:30AM–9:30AM	Climate Change and Health	Readings: <ul style="list-style-type: none"> Chapter 4 “Environmental Health as One Health” Due Dates: <ul style="list-style-type: none"> Quiz #4 available from noon on Sunday, October 13th, 2019 and due (closes) at 11:55PM on Monday, October 14th, 2019 	Dr. Uddin
	Thurs., Oct 17 th 8:30AM-10:30AM	Antimicrobial Resistance – Environmental and Agricultural Perspectives	Readings: <ul style="list-style-type: none"> Chapter 3 “Greatest Threats to Planetary Health” Due Dates: None	Dr. Topp
Week 8	Tues., Oct. 22 nd 8:30AM–9:30AM	Air Quality and Human Health	Readings: <ul style="list-style-type: none"> Chapter 4 “Environmental Health as One Health” Chapter 6 “Human Health as One Health” Due Dates: None	Dr. Cameron
	Thurs., Oct. 24 th 8:30AM-10:30AM	MID-TERM TEST <i>Administered during regularly scheduled class time, and in regularly scheduled classroom (UC1105)</i>		
Week 9	Tues., Oct. 29 th 8:30AM–9:30AM	An Integrated One Health Case: The Walkerton Water Crisis	Readings: <ul style="list-style-type: none"> To be distributed via OWL Due Dates: <ul style="list-style-type: none"> Quiz #5 available from noon on Sunday, October 27th, 2019 and due (closes) at 11:55PM on Monday, October 28th, 2019 	Dr. Gibson
	Thurs., Oct. 31 st 8:30AM-10:30AM	An Integrated One Health Case: The Walkerton Water Crisis	Readings: <ul style="list-style-type: none"> To be distributed via OWL Due Dates: <ul style="list-style-type: none"> Part 4 of Term Report due by 5PM (submit via OWL) 	Dr. Gibson
Week 10	Tues., Nov. 5 th & Thurs., Nov. 7 th	FALL BREAK WEEK – NO CLASSES		
Week 11	Tues., Nov. 12 th 8:30AM–9:30AM	The Relationship between Ecosystems and Social Systems	Readings: <ul style="list-style-type: none"> Chapter 11 “Culture and Theology in One Health” Additional readings to be distributed via OWL Due Dates: <ul style="list-style-type: none"> Quiz #6 available at noon on Sunday, November 10th, 2019 and due (closes) at 11:55PM on Monday, November 11th, 2019 	Dr. McKinley
	Thurs., Nov. 14 th 8:30AM-10:30AM	An Integrated One Health Case: The Walpole Island Community	Readings: <ul style="list-style-type: none"> Chapter 11 “Culture and Theology in One Health” Additional readings to be distributed via OWL Due Dates: None	Dr. McKinley

WEEK	DATE	TOPIC	READINGS* / IN-CLASS ACTIVITIES / DUE DATES <i>*Unless otherwise stated, all listed readings (“Chapters”) are from the Deem SL text</i>	FACULTY
Week 12	Tues., Nov. 19 th 8:30AM–9:30AM	A Social-Ecologic Approach to Understanding the Global Burden of Cardiovascular and other Non-Communicable (Chronic) Diseases	Readings: <ul style="list-style-type: none"> • Readings to be distributed via OWL • Materials for “Social-Ecologic Model of Health In-Class Activity” will be distributed via OWL Due Dates: <ul style="list-style-type: none"> • Quiz #7 available at noon on Sunday, November 17th, 2019 and due (closes) at 11:55PM on Monday, November 18th, 2019 • Part 5 of Term Report due by 5PM (submit via OWL) 	Dr. Frisbee
	Thurs., Nov. 21 st 8:30AM-10:30AM	A Social-Ecologic Approach to Understanding the Global Burden of Cardiovascular and other Non-Communicable (Chronic) Diseases	Readings: <ul style="list-style-type: none"> • Readings to be distributed via OWL In-Class Activity: <ul style="list-style-type: none"> • Social-Ecologic Model of Health Due Dates: <ul style="list-style-type: none"> • All peer and instructor feedback on Term Report Full Draft will be returned to students 	Dr. Frisbee
Week 13	Tues., Nov. 26 th 8:30AM–9:30AM	Social Systems, Stakeholders, and Policy Solutions in One Health	Readings: <ul style="list-style-type: none"> • Chapter 10 “Communication and Advocacy in One Health” Due Dates: <ul style="list-style-type: none"> • Quiz #8 available at noon on Sunday, November 24th, 2019 and due (closes) at 11:55PM on Monday, November 25th, 2019 	Dr. Wiley
	Thurs., Nov. 28 th 8:30AM-10:30AM	Social Systems, Stakeholders, and Policy Solutions in One Health	Readings: <ul style="list-style-type: none"> • Chapter 10 “Communication and Advocacy in One Health” Due Dates: None	Dr. Wiley
Week 14	Tues., Dec. 3 rd 8:30AM–9:30AM	Putting One Health into Action: The One Health Practitioner	Readings: <ul style="list-style-type: none"> • Chapter 7 “The One Health Practitioner” • Chapter 8 “Essential Tools for the One Health Practitioner” • Chapter 9 “Education and Critical Thinking in One Health” Due Dates: <ul style="list-style-type: none"> • Part 6 of Term Report due by 5PM 	Dr. Olea-Popelka Dr. Frisbee
	Thurs., Dec. 5 th 8:30AM-10:30AM	Putting One Health into Action: The One Health Practitioner	Readings: <ul style="list-style-type: none"> • Chapter 7 “The One Health Practitioner” • Chapter 8 “Essential Tools for the One Health Practitioner” • Chapter 9 “Education and Critical Thinking in One Health” Due Dates: None	Dr. Olea-Popelka Dr. Frisbee
FINAL EXAM TO BE SCHEUDLED BY THE REGISTRAR – DATE, TIME, AND LOCATION WILL POSTED IN OWL WHEN AVAILABLE				

SYLLABUS STATEMENTS

Students are responsible for reading, understanding, and complying with the following statements and policies, which apply to all students enrolled in this course.

Notice of Senate Regulation Regarding the Student's Responsibility Regarding Requisites

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.

Copyright 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.

Policy on the Rounding and Bumping of Marks

Across the Basic Medical Sciences Undergraduate Education programs and within the Department of Pathology and Laboratory Medicine, 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.

Statement on Official Email Addresses

In accordance with policy, <http://www.uwo.ca/its/identity/activatenonstudent.html> 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.

Statement on Academic Offences

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

As stated above, all parts of the Term Project 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. All documents submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com <http://www.turnitin.com>

Additionally, quizzes, mid-term tests, and the final exam may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

Statement on Use of Cell Phone and Electronic Devices

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 and the Department of Pathology and Laboratory Medicine 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 Department of xxx is not responsible for stolen/lost or broken devices.

Absence from Course Commitments

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-reporting of absence** or via the Academic Counselling Office of the Faculty of Science located in NCB 280, and can be contacted at scibmsac@uwo.ca.

NEW!! For further information, please consult the university's policy on academic consideration for student absences as there are updates to the academic consideration procedures. https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic_Consideration_for_absences.pdf

The policy on Accommodation for Religious Holidays can be found here:

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

A. Absence for Medical and Non-Medical Reasons

Students must familiarize themselves with the Policy on Accommodation for Medical Illness for Undergraduate Students, located at:

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

A Western Student Medical Certificate (SMC) is required when a student is seeking academic accommodation. This documentation should be obtained at the time of the initial consultation with the physician/nurse practitioner or walk-in clinic.

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

Medical/Compassionate Relief Program Policy

It is current policy that students who are unable to write a test or examination or other form of course evaluation are required to obtain a medical certificate that is taken to the Academic Counseling Office, NCB 280 (for Science and Basic Medical Science students) or to your appropriate Home Faculty Counseling Office. In the case of an unexpected absence on compassionate grounds, documentation is also requested. **Such documentation must be submitted by the student directly to the Academic Counseling office and not to the instructor.** An academic counselor in that office will review and either approve or deny the accommodation request. It will be the Academic Counseling office that will determine if accommodation is warranted. This policy applies to all forms of assessment, including evaluations that are less than 10%.

Statement from the Academic Counselling Office, Faculty of Science (for Science and BMSc students)

If you are unable to meet a course requirement due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to the Academic Counselling Office as soon as possible and contact your instructor immediately. It is the student's responsibility to make alternative arrangements with their instructor once the accommodation has been approved by the Academic Counselling Office and the instructor has been informed.

As previously stated, as students have substantial flexibility regarding the number and timing of quizzes they can take throughout the term, accommodation for missed quizzes will not be considered under any circumstances.

For students with an approved accommodation for the mid-term test, students will be required to arrange with the Instructors to re-take the mid-term test within 48 hours of their return to academic activities. The Instructors reserve the right to use an alternate form of the mid-term test (e.g., different questions, question order etc). If a student misses the agreed upon time to re-take the mid-term test, the student's grade for the mid-term test will be recorded as "0" ("zero").

For students with an approved accommodation for a missed submission deadline for **any** part of the Term Project, that part is due within 8 hours of the students return to academic activities, after which time the late submission policy, stated above, will be applied.

For students with an approved accommodation for the final exam, students will be required to re-take the final exam during the “exam make-up session”, as scheduled by the Registrar. The Instructors reserve the right to use an alternate form of the final exam (e.g., different questions, question order etc). If a student fails to complete the final exam during the scheduled “make-up session”, the student may chose (a) to have their grade for the final exam be recorded as “0” (“zero”) OR (b) to re-take the final exam during the next scheduled offering of the course.

B. Special Examinations

http://www.uwo.ca/univsec/pdf/academic_policies/exam/definitions.pdf

A Special Examination is any examination other than the regular final examination, and it may be offered only with the permission of the Dean/Academic Counselling Office 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. You may also be eligible to write the Special Examination if you are in a “Multiple Exam Situation”. See: http://www.registrar.uwo.ca/examinations/exam_schedule.html

A Special Examination must be written at the University or an Affiliated University College no later than 30 days after the end of the examination period involved. To accommodate unusual circumstances, a date later than this may be arranged at the time permission is first given by the Dean/Academic Counselling Office of the Faculty. The Dean/Academic Counselling Office will consult with the instructor and Department Chair and, if a later date is arranged, will communicate this to the Office of the Registrar.

If a student fails to write a scheduled Special Examination, permission to write another Special Examination will be granted only with the permission of the Dean/Academic Counselling Office in exceptional circumstances and with appropriate supporting documents. In such a case, the date of this Special Examination normally will be the scheduled date for the final exam the next time the course is offered.

When a grade of Special (SPC) or Incomplete (INC) appears on a student's record, the notations will be removed and replaced by a substantive grade as soon as the grade is available.

Support Services

Academic Counselling (Science and Basic Medical Sciences): <http://www.uwo.ca/sci/counselling>

Accessibility: 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 Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation. The policy on Accommodation for Students with Disabilities can be found here:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/Academic%20Accommodation_disabilities.pdf

Student Development Centre (SDC): Learning-skills counsellors at SDC are ready to help you improve your learning skills. They offer presentations on strategies for improving time management, multiple-choice exam preparation/writing, textbook reading, and more. Individual support is offered throughout the Fall/Winter terms in the drop-in Learning Help Centre, and year-round through individual counselling. <http://www.sdc.uwo.ca>

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

Student Health Services: <https://www.uwo.ca/health/shs/index.html>

Additional student-run support services are offered by the USC, <http://westernusc.ca/services>