

Department of Physiology & Pharmacology
Human Pharmacology & Therapeutic Principles – Pharm 3620

Course Outline for Fall 2026/Winter 2027

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 9	October 10-18	December 9	December 10	December 11–22

September 30, 2026: National Day for Truth and Reconciliation; non-instructional day

September 17, 2026: Last day to add or drop a Fall/Winter 24-week course

Classes Begin	Reading Week	Classes End	Study day(s)	Exam Period
January 4	February 13–21	April 9	April 10, 11	April 12–30

February 1, 2027: Last day to withdraw from a Fall/Winter 24-week course without academic penalty

3. Contact Information

Course Coordinator	Contact Information
Dr. Fabiana Crowley	fabiana.crowley@schulich.uwo.ca

Instructor(s) or Teaching Assistant(s)	Contact Information
Dr. Brad Urquhart	burquha2@uwo.ca
Dr. Flory Muanda	fmuandat@uwo.ca
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4. Course Description and Design

Delivery Mode: in-person

Pharmacology 3620 is a 1.0 credit course that presents drugs used to treat diseases that affect various systems and organs of the body (e.g., cardiovascular disease, neurological diseases, endocrine disorders etc.). It is a course focused on the fundamental principles of pharmacology and the clinical uses of drugs - i.e., therapeutics. A system-based approach is used to deliver the content, with an emphasis on the molecular targets of drugs, mechanisms of drug action, and adverse effects of drugs on the system or organ.

Topics in Pharmacology 3620 are closely aligned with topics in Physiology 3120 (Human Physiology). Physiology 3120 is highly recommended as a co-requisite, so that you will learn how an organ system works in physiology and then, in Pharmacology 3620, learn about the drugs that can be used to treat the diseases affecting that system.

Prerequisite(s): Biochemistry 2280A, Biology 2382A/B.

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
Lecture	Tues/Thurs	12:30-1:20 PM Nat Sci 145 for the Fall Semester Alumni Hall 201 for the Winter Semester

- ☒ Asynchronous pre-work must be completed prior to sessions
- ☒ Attendance at sessions is strongly recommended
- ☒ A recording will be provided of the lecture-based sessions
- ☒ Closed captioning will be provided on audio or video recordings

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. For asynchronous modules, please use Chrome.

5. Learning Outcomes

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

- Explain the processes by which drugs are absorbed and distributed within the body, and the ways in which the body alters the fate of administered drugs.
- Explain the processes by which drugs can interact with their target sites to produce a biological effect.
- List the major classes of drugs used to treat a range of pathological conditions, explaining their mechanism(s) of action at their respective target sites.
- Compare and contrast the different classes of drugs with respect to their key pharmacological properties, benefits and potential adverse effects.

6. Course Content and Schedule

Fall Schedule

Week	Date	Lecturer	Topic
Week 1	Sept. 10 th	Crowley/Tirona	Intro to the course/Introduction to Pharmacokinetics
Week 2	Sept. 15 th	Tirona	Drug Absorption and Distribution
	Sept. 17 th	Tirona	Drug Elimination and Dosage Regimens
Week 3	Sept. 22	Tirona	Drug Metabolism
	Sept. 24	Tirona	Drug Transporters
Week 4	Asynchronous	Crowley	Routes of Administration (Asynchronous module)
	Sept. 29	Crowley	Pharmacodynamics I
	Oct. 1	Crowley	Pharmacodynamics II
Week 5	Oct. 6	Crowley	Pharmacodynamics III
Week 7	Oct. 8	Urquhart	Pharmacogenetics I
Week 7	Oct. 10-18	FALL READING WEEK	
	Oct. 20	Urquhart	Pharmacogenetics II
Week 7	Oct. 22	Crowley	In-class assignment #1
Week 8	Oct. 27-30	Crowley	Group activity Session 1
	Oct. 27	Tirona	The pharmacological basis of Drug-Drug Interactions
	Oct. 29	Muanda	Principles of clinical trials and Post-Market Drug Surveillance
Week 9	Nov. 3	Dagnino	Introduction to Neoplastic Disease
Week 11	Nov. 5	Dagnino	Cancer therapy I
	Nov. 10	Dagnino	Cancer therapy II
	Nov. 12	Dagnino	Cancer therapy III
	Nov. 17	Dagnino	Antimicrobials
Week 12	Nov. 19	Dagnino	Antivirals
	Nov. 24	Crowley	Introduction to Neuropharmacology
Week 13	Nov. 26	Crowley	Drugs used to treat Depression
	Asynchronous	Crowley	Drugs used to treat Anxiety

			(Asynchronous module)
	Dec. 1	Crowley	In-class assignment #2
Week 14	Dec. 3	Crowley	Drugs used to treat Psychosis
	Dec. 8	Crowley	Drugs used to treat Epilepsy
	Dec. 8	Bonus Assignment (optional)	Pharmacology Concept Inventory Quiz (online completion)
EXAM PERIOD December 11th – 22nd			

Winter Schedule

Week	Date	Lecturer	Topic
	Jan. 5	Urquhart	Drugs of abuse I
	Jan 7	Urquhart	Drugs of abuse II
Week 16	Jan. 12	Chris Auger	Drugs of abuse
	Jan. 14	Birceanu	Introduction to pharmacology of Cannabinoids
Week 17	Jan. 19	Birceanu	Drugs used to treat pain
	Jan. 21	Birceanu	Drugs used to treat pain - NSAIDs
Week 18	Jan. 26-29	Crowley	Group activity Session 2
	Jan. 26	Birceanu	Introduction to pharmacology of the Autonomic and Somatic Nervous Systems
	Jan. 28	Birceanu	Clinical uses of cholinergic drugs
Week 19	Feb. 2	Oke	Introduction to Adrenergic Pharmacology
	Feb. 4	Oke	Clinical uses of Adrenergic drugs
Week 20	Feb. 9	Oke	Drugs used to treat Asthma
	Feb. 11	Oke	Drugs used to treat COPD
Week 22	Feb. 13th – 21	SPRING READING WEEK	
	Feb. 23	Crowley	In-class assignment #3
Week 21	Feb. 25	Muanda	Introduction to Cardiovascular pharmacology
	Mar. 2	Muanda	Drugs used to treat hypertension
Week 23	Mar. 4	Muanda	Drugs to treat myocardial infarction
	Mar. 9	Muanda	Drugs to treat heart failure
Week 24	Mar. 11	Muanda	Drugs used to treat arrhythmias & angina
	Mar. 16	Oke	Introduction to Endocrine Pharmacology
Week 25	Mar. 18	Oke	Drugs used in Inflammatory Diseases and Osteoporosis
	Mar. 23	Oke	Drugs used to treat Obesity and Hyperlipidemia
Week 26	Mar. 25	Oke	Drugs used in Type 1 Diabetes Mellitus
	Asynchronous	Oke	Drugs used in Type 2 Diabetes Mellitus

			(Asynchronous module)
	Mar. 30	Oke	Drugs used to Control Fertility
Week 27	Apr. 1	Crowley	In-class assignment #4
	Apr. 6	Crowley	Drugs used to treat nausea and vomiting
Week 28	Apr. 8	Crowley	Drugs used to treat gastric esophageal reflux disorder
EXAM PERIOD Apr. 12th – 30th			

7. Participation and Engagement

- ☒ Students are expected to participate and engage with content as much as possible
- ☒ Students can participate during lecture or post on the OWL Brightspace Discussions after lecture
- ☒ Students are expected to 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
In-class assignment #1	Multiple choice based on the content from PK and PD lectures	4%	Thursday, Oct. 22 nd , in-class at 12:30 pm	With approved academic consideration (including undocumented absence), this will be reweighted to the next exam.
Group activity	Attend one 2-hour small-group session and complete the assignment at the end of the session. Students must attend only one of the two sessions offered.	2%	• Session 1: Week of October 27–30 • Session 2: Week of January 26–29	Reweight to midterm
In-class assignment #2	Multiple choice and short answer questions based on the content from the neuropharmacology lectures and asynchronous module.	4%	Tuesday, Dec. 1 st , in-class at 12:30 pm	With approved academic consideration (including undocumented absence), this will be reweighted to the next exam.
Optional Bonus Assignment	Pharmacology Concept Inventory Quiz	+1 mark	Tuesday, December 8 th by 11:59 pm	Optional completion
Midterm #1	Multiple Choice & Short Answer (covers weeks 1-14)	32%	During the exam period: December 11 th – 22 nd TBD 2 hours	Not applicable

In-class assignment #3	Multiple choice and short answer questions based on the content from the Autonomic and Somatic, Adrenergic, Cholinergic lectures.	4%	Tuesday, Feb. 23 rd , in-class at 12:30 pm	With approved academic consideration (including undocumented absence), this will be reweighted to the next exam.
Choose your pharmacology adventure (CYPA)	Online via Brightspace	5%	Friday, March 12 th by 11:59 pm	72-hour no late penalty. Accepted until March 15 th by 11:59 pm
In-class assignment #4	Multiple choice and short answer questions based on the content from the endocrine lectures and asynchronous module.	4%	Thursday, April 1 st , in-class at 12:30 pm	With approved academic consideration (including undocumented absence), this will be reweighted to the next exam.
Final Exam	Multiple Choice & Short Answer (cumulative)	45%	During the Final Exam Period: April 12 th – 30 th TBD 3 hours	Not applicable

For detailed instructions in all the assignments, please refer to the Assessments Overview page on OWL Brightspace.

The **in-class assignments are mandatory activities**. Attendance is required, and students must be present to complete and submit the assignment—submissions will not be accepted from those who are absent. The marks for the four in-class assignments **will not be automatically reweighted** to the next exam. If a student must miss an assignment, they may seek **Academic Consideration (including undocumented absence) within 48 hours of the missed assignment date**. If approved, the assignment's weight will be transferred to the next exam. Failure to complete the assignment in class without an approved Academic Consideration request will result in a grade of zero.

The Choose Your Pharmacology Adventure assignment can be submitted any time from the beginning of this course until March 12th, 2027 (accepted until March 15th by 11:59 PM). Given the flexible deadline, **no reweight or make-up options will be provided**. Failure to complete this assignment will result in a grade of zero on this assignment.

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 the following assessments have been designated as requiring supporting documentation:

- Midterm Exam during the December exam period
- Final Exam during the April Exam period

Information about flexibility in assessment

- ☒ Flexibility in assessment has been applied to this course; therefore, academic consideration requests may be denied on the assessments where flexibility is included

- ✓ While the dates of the in-class assignments are not flexible, students can use their undocumented absence to miss these assignments (one per semester)
- ✓ This course employs flexible deadlines for the CYPA assignment. Students can submit this assignment at any time from the beginning of the course on **September 9th 2026, to March 12th, 2027**. 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. Given the deadline flexibility provided, instructors will deny requests for academic consideration (supported or not supported by documentation).

General information about assessments

- ✓ All assignments are due at **11:59 PM 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)
- ✓ Rubrics will be used to evaluate assessments and will be posted with the instructions
- ✓ A student might not receive the same grade as their group members if it is determined that the distribution of work was not equal. This policy applies to the CYPA and in-class assignments that were completed in pairs.
- ✓ 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
- ✓ Any re-grading request on assignments, quizzes, or midterms must be received within **3 weeks** of the grade being posted and done according to the instructions provided by the course coordinator.
- ✓ Assessment re-grading could result in the mark increasing, decreasing, or remaining the same
- ✓ Prior to the filing of a written request for relief, students must attempt to resolve the concern regarding a mark or grade through the re-grading request option on Gradescope. 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 Undergraduate 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. Given deadline flexibility provided, this policy only applies to the CYPA assignment.
- ✓ There are no makeup **in-class assignments**. The weight of the missed assignment will be reallocated to the next exam **upon approval of academic consideration**.
- ✓ There is no makeup **Group activity assignment**. The weight of the missed assignment will automatically be reallocated to the final exam. No documentation needs to be submitted.
- ✓ There is no makeup **Choose your own adventure assignment**. Failure in completing this assignment will result in a grade of zero on this assessment.
- ✓ A **make-up exam** will be offered to students who have approved academic accommodations as follows:

- The makeup Midterm exam will be scheduled by the department in January 2027.
- The makeup Final exam will be scheduled by the department in May 2027.
- *All of these dates are tentative and subject to change.*
- **Only one makeup is offered for each exam.**
- ☑ Any exams, or makeup exams that are missed without approved academic consideration will receive a grade of 0 on that evaluation.
- ☑ Make-up assessments may be a different format than the original assessment
- ☑ **The midterm and final exams must be completed to pass this course. Failure to write either of these exams, with approved academic consideration, will result in a status of INC or SPC/withdrawn (see below).**
 - If a student misses the midterm exam with approved academic consideration, the student is still allowed to write the final exam and shall complete the missed midterm next time the course is offered.
 - **There is no transfer of weight from the missed midterm to the final exam.**

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 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. If a student misses an SPC exam and is approved for academic consideration, they will be withdrawn from the course without academic penalty. If a student misses an SPC exam and is not approved for academic consideration, they will receive a grade of zero on the exam.

9. Communication

- ☑ Students should check the OWL Brightspace site every 24–48 hours
- ☑ For content related questions or concerns, students should use the discussions forums on OWL Brightspace
- ☑ Students should post all course-related queries on the discussion forum so that everyone can access the questions and responses
- ☑ For course related questions or concerns, students can use the designated forum on OWL Brightspace or contact the course coordinator via email
- ☑ Students should email their instructor(s) and teaching assistant(s) using their uwo email
- ☑ Emails will be monitored daily; students will receive a response in 24–48 hours

10. Office Hours

- ☑ Office hours will be held remotely using Zoom
- ☑ Office hours will be scheduled upon request using the scheduling tool (Calendly) posted on OWL Brightspace. Please refer to the course site for instructions and signup.

11. Course Materials

- ☑ All resources will be posted on 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. Create a learning plan. Outline strategies for and schedule time to prepare for the exams. Prioritize active learning strategies such as creating your own summaries, concept maps, instead of memorization.
3. Make it a daily habit to log onto OWL Brightspace to ensure you have seen everything posted to help you succeed in this class.
4. Create your own checklists to help you stay on track.
5. 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.
6. Connect with others. Try forming an online study group and try meeting on a weekly basis for study and peer support.
7. 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).
8. 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 [Student Absence 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. Statement on the Use of Electronic Devices

The only electronic device accepted on exams is a programmable calculator. **No other electronic devices are accepted during the exams.**

G. 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. Assignments should reflect the students' own thoughts and independent work. By adhering to these guidelines, students contribute to a responsible and ethical learning environment that promotes critical thinking, independent inquiry and allows them to produce original written contributions.

More specifically:

- the use of AI tools is permitted for the development of an outline for the CYP A assignment but **must be disclosed** in detail using the form provided on Gradescope
- the use of AI tools **is not permitted** to complete the in-class and bonus assignments

H. 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.

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

To connect with a case manager or set up an appointment, please contact 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	Policy
General Policy	Structure of the Academic Year	Policy
Registration, Progression, Graduation	Course Numbering Policy, Essay Courses, and Hours of Instruction	Policy
Registration, Progression, Graduation	Undergraduate Course Credit	Policy • Procedures
Examinations	Definitions of Types of Examinations	Policy
Examinations	Evaluation of Academic Performance	Policy
Examinations	Examination Conflicts	Policy
Rights and Responsibilities	Academic Accommodation for Students with Disabilities	Policy
Rights and Responsibilities	Accommodation for Religious Holidays	Policy
Rights and Responsibilities	Policy on Academic Consideration – Undergraduate Students in First Entry Programs	Policy • Procedures
Rights and Responsibilities	Requests for Relief from Academic Decisions (Undergraduate)	Policy • Procedures
Rights and Responsibilities	Requests for Relief from Academic Decisions (Graduate)	Policy • Procedures
Rights and Responsibilities	Scholastic Offences (Undergraduate)	Policy • Procedures
Rights and Responsibilities	Senate Review Board Academic Appeals	Policy • Procedures