

MEDICAL BIOPHYSICS
MEDBIO 4700B

Case Studies in Medical Biophysics

Course outline for Winter 2025

1. Technical Requirements:



Stable internet connection



Laptop or computer



Working microphone



Working webcam

Please Note: Due to uncertainty around COVID-19, students must have a reliable internet connection and computer that are compatible with online learning and testing system requirements. Please see Section 12 to review Western's policies.

Computer requirements include:

- Operating system: MAC: OSX Yosemite 10.10.5 or higher, PC: Windows 7, 8, or higher
- Processor/Ram: MAC: Intel / AMD Processor, 2 GB RAM, PC: Dual-core 2.4 Ghz CPU, 2 GB RAM or better
- Web Browsers: Safari v17.0 or Mozilla Firefox v20.0 or Higher Google Chrome v25.0 or higher
- Plug-ins: Java Script Enabled & Third-Party Cookies Enabled
- Camera resolution: 800 x 600 resolution or better
- Internet connection: Cable Modem, DSL or better

2. Course Overview and Important Dates:



Delivery Mode	Dates	Method
In person classroom		

*Details about design and delivery of the course are listed below in Section 4

Classes Begin	Reading Weeks	Classes End	Study day(s)	Exam Period
	Feb 16-22		No exam	No exam

*March 7, 2024: Last day to drop a second-term half (0.5) course without academic penalty.

3. Contact Information



Course Coordinator and Instructor	Contact Information

Office hours: via Zoom. Every Friday during the Winter Term. 9-11 am. Please send email with brief details for an appointment, which is normally scheduled first-come first-served for 10 minutes. Alternate times are accommodated as best possible.

Instructors	Contact Information

Teaching Assistant(s)	Contact Information

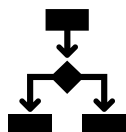
Course and Academic Program Administrative Assistant	Contact Information
	askMBP@schulich.uwo.ca

Students may approach and discuss any course-related problems with the relevant instructor. To request an appointment with instructors (preferably via email) use the contact information provided above. Individual instructors may schedule the open office hours for specific times during the week.

4. Course Description and Design

Course summary

Case studies will highlight specific issues that medical biophysics covers while introducing important concepts and the multidisciplinary nature of research, professionals, and applications in the field. The key themes are cardiovascular and circulatory health, molecular imaging for research, diagnostic imaging in humans, cancer radiotherapy, and medical images processing.



Prerequisites

Prerequisite(s): Registration in Year 4 of an Honors degree that contains a module offered by the Department of Medical Biophysics or, with special permission, registration in Year 4 of a BESC degree or an Honors BHSc, BMSc or BSc degree.

Prerequisite checking – the student’s responsibility

Unless you have either the requisites for this course or written special permission from your Dean to enrol 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.

Course Weight: 0.5

Breadth: Category C

Subject code: MEDBIO

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 Student Accessibility Services at 519-661-2147 for any specific question regarding an accommodation.

Mode			Frequency
In person Lessons		3 hours	Weekly
Virtual asynchronous		Equivalent ~3 hours	Weekly

- Asynchronous pre-work must be completed prior to in person Lessons
- Attendance at scheduled classroom lessons is mandatory
- Students have access to all course materials, assignments, exams, and tutorials through 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.
- Safari, Google Chrome or Mozilla Firefox are the preferred browsers to optimally use OWL.

5. Course Syllabus

Teaching Rationale

Online asynchronous and synchronous/in-person classroom lessons present and review fundamental background for biophysics, including mathematics, physics, chemistry, biochemistry, pharmacology, medicine, genetics, engineering and or physiology, as needed to understand an important concept or theme in medical biophysics.

Basic and clinical research, clinical service, and other applied uses of medical biophysics are considered in the context of solving real life dilemmas (Case Studies). Online synchronous discussions are facilitated by instructors. Each Case Study illustrates an important concept or theme in medical biophysics.

The first part of each series of weekly lessons is weighted heavily on introducing foundational concepts, which may be a review for some and new for other students. This is necessary for establishing a common baseline and refresher that allows for discussions later in the week course.

The Case Studies are designed for students to apply their knowledge to come up with reasonable and viable solutions.

Instructors will moderate online synchronous discussion and debate, provide expert opinion/testimony and provide a case debrief when completed.



Students are encouraged to ask questions to learn about any course material covered in lessons throughout the term.

Students are expected to become familiar with all required course readings and course materials posted on OWL, review all lessons, attend and engage constructively in all scheduled classes and meetings, complete all assignments, and presentations. Students are encouraged to become familiar with recommended reading lists.

Case study is an experiential learning method that requires active participation and engagement in group discussions and activities. This engagement is evaluated. Attendance at all synchronous scheduled Tuesday and Thursday lessons as well as Group Case Study preparation meetings, and all Group final presentations is considered mandatory *i.e.* to have demonstrated full participation in the course.

The culmination of the learning using the case-study method will be the student group-facilitated presentation of an assigned Case. Students will engage regularly with an expert in the field to prepare for this case presentation.

Written assignments, and oral questions and answers discussions will be used to assess foundational knowledge and practice Case study learning methods throughout the course.

Course Learning Outcomes

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

- Generate hypotheses to test solutions for problems encountered in biophysics.
- Analyse and present Case studies in medical biophysics
- Design a plan that leads to recommendations on the course of action to take to address dilemmas from a variety of disciplinary fields and outlooks
- Explain foundational knowledge of experimental tools (e.g. MRI, CT, and Optical Imaging used to image biophysical, biochemical, and physiological processes in research and/or the clinic).
- Express evidence-based opinions in disciplinary discussions and reports
- Critically appraise the literature.
- Express evidence-based opinions in disciplinary discussions and reports.
- Work effectively in a team, to solve problems or to work with others toward a shared/academic goal as team member or team lead when appropriate.

6. Course Content and Schedule

Week	2024 Dates	Instructor	Tuesday	Thursday	Assessment	% Grade Weighting
1			No class (Classes begin on January 8 th)	Introduction to course and meet the students and instructors	None	None
					Mock Participation Grading	None
2			PET imaging	Case: Imaging inflammatory markers in small animal research	Assignment 1	2.25%
					Case Study Participation	3.375%
3			TBD	TBD	Assignment 2	2.25%
					Case Study Participation	3.375%
					Instructor Meeting 1 Student Case Study Participation	3%
4			TBD	TBD	Assignment 3	2.25%
					Case Study Participation	3.375%
5			TBD	TBD	Assignment 4	2.25%
					Case Study Participation	3.375%
					Instructor Meeting 2 Student Case Study Participation	3%
6			TBD	TBD	Assignment 5	2.25%
					Case Study Participation	3.375%
7	Feb 16- 22		Family Day (Feb 17) & Spring Reading Week (no classes)			
8			TBD	TBD	Assignment 6	2.25%
					Case Study Participation	3.375%
					Instructor Meeting 3	4%



					Student Case Study Participation	
9			TBD	TBD	Assignment 7	2.25%
					Case Study Participation	3.375%
10			TBD	Peripheral Vascular Disease	Assignment 8	2.25%
					Case Study Participation	3.375%
11			TBD	TBD	Assignment 9	2.25%
					Case Study Participation	3.375%
					Instructor Meeting 4 Student Case Study Participation	5%
Final Case Study Group Presentations (4 groups, one hour each on Tuesdays and Thursdays)						
12			Group 1	Group 2	Audience Case Study Participation	35% for the group presenting
13			Group 3	Group 4		5% for audience participation in all student cases

The instructors, themes and dates reflect the expected topics and sequence but are subject to change.

7. Evaluation

MEDBIO 4700B

Component	Format	Due Dates	Grade Weight (%)
Case Study Weeks 1 to 11	Assignments	Weeks 2 to 11	18
	Engagement and participation (this includes attendance) in weekly lessons, classes, and student group presentations. Includes in-person campus, Zoom and Forums. Best 8 of 9 assignments.	Weeks 1 to 11	32
Student Group Case Study Preparation Meetings	By assigned case instructor	Weeks 3, 5, 8, 11	15
Student Group Case Study Presentation	Presentations by groups (includes preparation of written materials and slides) and discussions	Weeks 12, 13 (subject to change)	35



Academic Integrity Assignment

The Academic Integrity Assignment is a prerequisite requirement that must be 'passed' to access online course content and receive credit in MEDBIO 4700B.

Students will receive a zero grade for every assessment that elapses during the period of time that this task remains incomplete. This penalty shall not be reversed.

Assignments

- Each week is associated with a written Assignment. These assignments will evaluate learning outcomes relating to participation in preparation and Case Study classes.
- The instructors will inform students of the Assignment during the Tuesday Lesson period at the latest, but it may be released at an earlier date.
- All assignments are due on the Monday before 9:00 AM EST (London, Ontario) following the Week's lessons unless otherwise specified.
- All student submissions are to be made through OWL unless directed otherwise.
- All files submitted by students shall be pdf format.
- Assignments will be submitted to Turnitin by the student.
- Assignments submitted after the class due date and time will be subject to an automatic late penalty of 10% that then increases by an additional 10% every 24 h period afterwards until 48 hours after the deadline.
- Assignments submitted after 48 hours following the assignment due date, or not submitted at all, will receive a zero grade and be returned ungraded.

Scholastic Offences > Schulich has a ZERO tolerance policy for scholastic offences. This means that all allegations of scholastic offenses in medical biophysics courses are reported by instructors to the Undergraduate Chair in Medical Biophysics whom shall

review the case, advise instructors on penalties, and report the outcomes of the investigation to the Associate Dean of Basic Medical Sciences Education, and Department Head. A notation of the offence will be added to your sealed academic record. See more about policy in later section.

MEDBIO 4700B Accommodation Rule

This course rule allows your instructors to accommodate students for missed weekly attendance and late assignment submissions, without the need for the student to obtain formal approval from Academic Counselling. It's intended for short unexpected absences from class and fair treatment of all students in the class. The student must contact by email the instructor to request consideration under the MEDBIO 4700B Accommodation Rule within 24 h of the absence. A copy should be forwarded to the course coordinator. This rule only applies when the **cumulative total weighting** in the course for all missed work by the student (shown by weeks in Section 6) is less than 10% of the overall course grade.

Under this accommodation rule, the extension deadline for all missing assessments of prior weeks (if applicable) must be submitted for grading before the start of the next scheduled class of MEDBIO 4700. After this extension deadline, all assessments that are submitted late or not submitted will be assigned a zero grade and returned with no feedback.

When the cumulative weight of missed assessments reaches 10% or more then all subsequent absences and missed assignments will require academic considerations that are approved by Academic Counselling. For the calculation of cumulative weight of missed assessments, the sum includes missed work for which Academic Counselling approved Academic Considerations.

PLEASE DO NOT DISCLOSE OR SHARE ANY PERSONAL OR HEALTH INFORMATION.

Note regarding Academic Counselling approved Academic Considerations for Absences and submissions of Late assessments

- The default due date for late assignments is 36 hours after the end of the approved reported absence period or in the case that your request is still being processed by Academic Counselling, 36 hours following your expected return to class (whichever event is earlier).
- If an accommodation is not granted by Academic Counselling or if the submission is late or deemed late according to documentation from Academic Counselling, then the same grade penalties will apply as the original assignment. Assignments will not be graded until the absence accommodation has been approved/disallowed by the appropriate process.
- Student Academic Counselling will advise you to within 24 hours of the end of the reported absence period to contact (by email please) the relevant Instructor or Dr. Scholl to confirm you will be submitting late and when they should expect it (see above). Please include 'Academic Counselling Student Academic Consideration MEDBIO 4700B Assignment X ' in the subject line. Submissions will be made through the course OWL site unless directed otherwise.

Evaluations and Feedback on Assignments

- Normally, individual feedback with grades are released after all current and previous assessments from the class have been graded or submitted for grading.
- After individual feedback on an assessment is returned, students should wait at least 24 hours to digest feedback before contacting the Teaching Assistants or instructor; to ensure a timely response, reach out within 7 days.
- Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading at Western.
- In MEDBIO 4700B, students will need to communicate scientific concepts, principles, and other content in an effective form that is appropriate for the discipline.
- Listed below are examples of summative feedback on the grading of student assignments in the context of this course.

A+	90-100	The written answer is excellent in all elements. Potential improvements are minimal. Congratulations.
A	80-89	The written answer excels in some components, but specific improvements to the writing quality, structure, content, and or synthesis are required for full marks.
B	70-79	The written answer is eminently satisfactory in many elements, but specific improvements to the writing quality, structure, content, and synthesis are required for full marks.
C	60-69	The written answer fulfills the technical requirements, demonstrates competency with the subject matter, but requires revisions, edits, additional content, and synthesis of material. Improvements to the writing quality, structure, content and logic are required for full marks.
D	50-59	The written answer meets the minimum of technical requirements. Extensive revisions, edits, additional content, and synthesis of material are required. Improvements to the writing quality, structure, content and logic are required for full marks.
F	below 50	The written answer contains serious flaws in writing, logic, facts, structure, content, and or arguments.

8. Participation and Engagement



1. This course is primarily delivered in person on the campus of Western University. Instructors will reserve the right to use remote delivery under special circumstances.
2. Student attendance at classroom, synchronous online live classes, and consultation group work with faculty (student case preparation) are mandatory. Attendance is essential to participation which is evaluated.
3. Students are expected to participate and engage with content as much as possible.
4. Students will be graded on the quality of their comments and knowledge of assigned reading material. Participation includes students' willingness and ability to answer questions, respond to comments, and engage in case discussion activities, etc. Criteria used to assess participation include but are not limited to:
 - Did the student demonstrate preparedness for the class?
 - Did the student answer questions on the case?

- Did the student demonstrate an understanding of biophysics and other related basic medical sciences concepts, theories, methods, and applications in the case?
- Did the student tie the week's case with concepts from previous cases and lectures?
- Did the student constructively and critically add to class discussion (including commenting on comments made by others)?
- Did the student knowledgably and critically discuss case?
- Did the student use the cases to inform a discussion of current events and vice versa?
- Was the student respectful of others and open to their ideas?
- Did the student display a willingness to engage in activities?

MEDBIO 4700 procedures regarding Absences for Missed Classes

Attendance at scheduled in-person, and synchronous online classes are mandatory and essential to participation.

The default grade for missing class is an assigned zero mark for the participation and assessments unless:

- Student receives an approved Academic Consideration from Academic Counselling or
- 'MEDBIO 4700B Accommodation Rule' applies.

Students responsible for Group Student Case Study presentations require an approved Academic Consideration for missing the date of the scheduled presentation (35% of grade).

- Normally academic accommodation for approved absences will be decided by the instructor(s) with consultation from the Course Coordinator, on a case-by-case basis.

Participation requirements in the case of online synchronous lessons

- Students are required to turn on and use the video camera and microphone audio in the Zoom call when directed by the instructors.
- Instructors will use the class list to identify all registered students in the classroom and breakout rooms (i.e. the official Zoom Call). Zoom Call server records each participant's login, logout and call activity data, which will be used for verification of attendance. Instructors(s) or other assigned individuals will evaluate the ability of each student to provide significant, meaningful, constructive and respectful contributions to classroom discussions during the lecture period and Case study. Instructors may also instruct students to post their answers to study questions on the Forum and or engage with material posted on the OWL Forum.
- Students should also participate asynchronously by interacting in the forums with their peers and instructor.
- Pay attention to the Lessons for each Week. Participation on the online Forums may be a required as part of the Assignments and or Participation Engagement activities for the week.

9. Communication:



- Students should check the Course Announcements, and the Forum for updates.
- Students are advised to sign up for automatic notifications but this system is not a replacement for regularly checking the OWL website.
- Students will be notified of the availability of grades through OWL.
- This course may use Zoom for holding Lessons on Tuesday and Thursdays. It is accessed through OWL. Log on access for Lessons is restricted to users with uwo addresses.
- This course will use the Forum in OWL.
- Students should post all course-related content on the appropriate Forum so that answers to questions etc. are accessible to the whole class.
- Students can and are encouraged to post answers, comments, solutions etc. to other students' questions.
- Anonymous postings will be permitted in some forums.
- The Forums will be monitored and used by the teaching assistant. Dr. Scholl, and instructors may choose to use the Forum, direct email or in classroom lessons to respond. Some Forum topics and threads may be moderated and/or graded.
- Students must use their official UWO account when communicating via email with Dr. Scholl, the other instructors and the teaching assistant(s).

Office Hours:



- E-mail Dr. Scholl or other instructor to request an appointment.
 - Please include 'student appointment request MEDBIO 4700B' in the subject line.
 - Please included your student number, and indicate your availability; normally 9 am-5 pm EST.
 - Dr. Scholl or your instructor will send a Zoom invite for confirmed appointments unless directed otherwise.
 - Individual instructors will let the class know if there are alternate or additional office hours.

10. Course Materials

All resources will be accessed through the OWL course website at <https://owl.uwo.ca/portal>

Students with OWL issues should contact the Western Technology Support at 519 661-3800



READ ABOUT THE FIRST TIME USING MEDBIO 4700B OWL Site

The first time students use the MEDBIO 4700B OWL site, they will be required to complete the Academic Integrity task/assignment. Students will not have full access to course materials until that task is completed.

Students will only have full access to the Schedule, Course Readings, Lessons, Assignments and Forum, after submitting the Academic Integrity documents.

Keep reading

- This course's videos are hosted on Microsoft Stream, which can be accessed by all Western students. However, these videos are restricted to the membership of the MEDBIO 4700B_2023 group.
- After completing the Academic Integrity task (above), students will be added to the Microsoft MEDBIO 4700B_2023 group.
- Students will receive an email notifying them of being added to the Microsoft MEDBIO 4700B_2023 group.
- Students should allow for 1 day (members are added manually) before inquiring about technical issues with access.
- Students will be removed from the Group at the end of the course.
- Students will be able to view videos, but not add or edit content in the Microsoft MEDBIO 4700B_2023 group.
- Students will be required to enter their Western credentials to access the links from OWL to some of the e-learning content. Specific resources include Western Libraries, Microsoft Teams, Stream, OneDrive, Sharepoint, and Zoom,.
- Logon credentials may be required every time students access the linked resource unless they choose to have their devices 'save' the information.

Course Readings

Course Readings will be accessible by logging into OWL, Course Readings or Western Libraries Electronic Reserves using a student Western account. A hard copy of the Cardiovascular Physiology textbook may be available for temporary loan through Library Reserves. Students can purchase their own licenses for the e-textbooks from the publisher or access them through the Course Readings and OWL.

Due to licensing restraints, there is a limit to the maximum number of users that can access simultaneously the AccessMedicine online textbooks versions of the Cardiovascular Physiology, and Pulmonary Physiology textbooks. Please be considerate of your classmates and remember to logoff after reading, downloading or printing the content for personal study.

Instructors will direct students to required reading selections from the following textbooks:

Cardiovascular Physiology 9e. David E. Mohrman, and Lois Jane Heller. 2018.

Pulmonary Physiology 9e. Michael G. Levitzky. 2018.

Biophysics: A Physiological Approach. Patrick F. Dillon. 2012.

During the semester, instructors will also post additional required readings and may direct students to optional readings for their lessons or course materials posted on OWL.

Contact with Instructors regarding course materials:

Students may approach and discuss any course-related problems with the relevant instructor. Please make an appointment (preferably via email) utilizing the contact information provided above, unless directed by the instructor regarding office hours.

Collaborative work on Assignments:

Students are encouraged to work together, but each student shall take total responsibility for their own submitted work.

The default position is that each Weekly Assignment submission will be the work of an individual.

Each instructor will tell you whether the Weekly Assignments prepared as groups are acceptable.

Students will have to work together on a team assignment and thus, each student shall bear total responsibility for this submitted work, which means the creations and products of other members of the team member(s).

Peer-to-peer assessments may be used to inform instructors' evaluations of each group member's work on the Group Case Study.

Note on Plagiarism: "Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence" (see Scholastic Offence Policy in the Western Academic Calendar).

11. 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 and listed below in section 12.
- All course materials not already covered by copyright and thus, created by the instructor(s) are copyright © 'name of instructor' and the instructors of MEDBIO 4700B, and shall not be re-used, distributed without their specific permission.
- Respect the privacy and wishes of your instructors and classmates. Audio, and video recordings of tutorials by students are not permitted in this course.
- Synchronous lessons are for the purpose of the education of students registered in University of Western Ontario MEDBIO 4700B. Live sessions are not to be viewed by anyone but the students registered in this course. Any re-broadcasting of content by students is prohibited.

- Students may be asked to complete a pledge of Academic Integrity before some assessments, and the student shall abide by the pledge else suffer the penalty of Academic Misconduct.

12. Western Policies and Statements for in-person courses in Winter 2023

Contingency plan for an in-person class pivoting to 100% online learning

In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will not change. Any remaining assessments will also be conducted online as determined by the course instructor.

In the event that online learning is required, a stable internet connection with working microphone and webcam will be required. As has been the case in the past, the decision to pivot to online learning will be made by Western, and not individual instructors or departments (excepting temporary online instruction in the event of instructor illness).

13. Western Academic Policies and Statements

Online Learning

The following is provided in case that in-person classes are disrupted that result in online synchronous course delivery.

Some components of this course will involve person to person interactions. To ensure the best experience for both you and your classmates, please honour the following rules of etiquette:

- please “arrive” to class on time
- please use your computer and/or laptop if possible (as opposed to a cell phone or tablet)
- ensure that you are in a private location to protect the confidentiality of discussions in the event that a class discussion deals with sensitive or personal material
- to minimize background noise, kindly mute your microphone for the entire class until you are invited to speak, unless directed otherwise
- In order to give us optimum bandwidth and web quality, please turn off your video camera when the Tutorial section is together unless you are invited to speak
- When in breakout rooms, please leave your video camera on.
- Please be prepared to turn your video camera off at the instructor’s request if the internet connection becomes unstable
- unless invited by your instructor, do **not** share your screen in the meeting

Your instructor will act as moderator for the class and will deal with any questions from participants. To participate please consider the following:

- if you wish to speak, use the “raise hand” function and wait for the instructor to acknowledge you before beginning your comment or question
- remember to unmute your microphone and turn on your video camera before speaking
- self-identify when speaking.
- remember to mute your mic and turn off your video camera after speaking (unless directed otherwise)

General considerations of “netiquette”:

- Keep in mind the different cultural and linguistic backgrounds of the students in the course.
- Be courteous toward the instructor, your colleagues, and authors whose work you are discussing.

- Be respectful of the diversity of viewpoints that you will encounter in the class and in your readings. The exchange of diverse ideas and opinions is part of the scholarly environment. “Flaming” is never appropriate.
- Be professional and scholarly in all online postings. Cite the ideas of others appropriately.

Note that disruptive behaviour of any type during online classes, including inappropriate use of the chat function, is unacceptable. Students found guilty of Zoom-bombing a class or of other serious online offenses may be subject to disciplinary measures under the Code of Student Conduct.

Accommodation Policies

Students with disabilities work with Accessible Education which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The accommodation policy can be found here: [Academic Accommodation for Students with Disabilities](#).

Students should also note that individual instructors are not permitted to receive documentation directly from a student, whether in support of an application for consideration on medical grounds, or for other reasons. **All documentation required for absences must be submitted to the Academic Counselling office of a student's Home Faculty.**

For Western University policy on Consideration for Student Absence, see [Policy on Academic Consideration for Student Absences - Undergraduate Students in First Entry Programs](#)

and for the Student Medical Certificate (SMC), see:

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

For a downloadable student medical certificate, see

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

Students seeking academic accommodation on illness grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must apply to the Academic Counselling office of their home Faculty and provide documentation. The instructor or department cannot grant academic accommodation.

Accommodation for Religious Holidays

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

Students should consult the University's list of recognized religious holidays, and should give reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their course requirements will be affected by a religious observance. Additional information is given in the [Western Multicultural Calendar](#).

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](#).

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 of the Faculty. The Dean will consult with the instructor and Department Chair and, if a later date is arranged, will communicate this to Registrarial Services. 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 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.

Statement on Academic Offenses

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

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

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](#).

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. 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](#).

All of the remote learning sessions for this course will be recorded.

The data captured during these recordings may include your image, voice recordings, chat logs and personal identifiers (name displayed on the screen). The recordings will be used for educational purposes related to this course, including evaluations. The recordings may be disclosed to other individuals under special circumstances. Please contact the instructor if you have any concerns related to session recordings.

Participants in this course are not permitted to record the sessions, except where recording is an approved accommodation, or the participant has the prior written permission of the instructor.

14. 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, e.g., cell phones, tablets, cameras, smart glasses, smart watch, and 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

This document is provided for information use by undergraduate students and graduate students registered or planning to register at Western University. All material that is not subject to existing copyright is © 2024 of the MEDBIO 4700B instructors. Current as of December 9, 2024

Note that MEDBIO 4700B does not allow for students to make audio/video recordings of group sessions. This policy is in place so that synchronous live sessions take place in a safe environment that encourages participation from all students.

MEDBIO 4700B course material produced by faculty is copyrighted. Reproducing this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. Other courses may allow recording, but you must always ask permission (consent) 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.

15. Support Services

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

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

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.

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

[Office of the Registrar](#)

[Appeal Procedures](#)

[Student Centre](#)

[Student Development Services](#)

[Health and Wellness](#)

[USC Student Support Services](#)

Students that are in emotional/mental distress should refer to [Student Health Care](#) for a complete list of options about how to obtain help.