

**Anatomy & Cell Biology**  
**Cadaveric Anatomy: Musculoskeletal ANATCELL 4200A**

Course Syllabus for Fall 2023



Western University is committed to a **thriving campus**; therefore, your health and wellness matter to us! The following link provides information about the resources available on and off campus to support students: <https://www.uwo.ca/health/> Your course coordinator can also **guide you** to resources and/or services should you need them.

1. **Technical Requirements:**



Stable internet connection



Laptop or computer

2. **Important Dates:**



Classes Begin	Reading Week	Classes End	Study day(s)	Exam Period
September 7	October 30– November 5	December 8	December 9	December 10–22

3. **Contact Information**



Course Coordinator	Contact Information

Instructor(s) or Teaching Assistant(s)	Contact Information

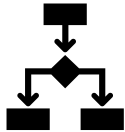
## 4. Course Description and Design

**Delivery Mode:** blended; asynchronous lectures and in-person labs

Advanced human anatomy course which integrates lecture material with cadaveric laboratory dissections to explain how physical injuries and clinical impairments are associated with the spatial and functional relationships between the major structures of the upper and lower limbs (bones, muscles, ligaments, innervation and vasculature).

### Timetabled Sessions

Component	Date(s)	Time
Lab Session		
Lecture	Asynchronous Online	Asynchronous Online



- Asynchronous lecture recordings must be viewed prior to associated laboratory session
- Attendance at laboratory sessions is required

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

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

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

## 5. Learning Outcomes



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

- Using cadaveric specimens, identify and describe the major structures associated with the upper and lower limbs, including bones, muscles, ligaments, innervation and vasculature.
- Correlate structure and function as it applies to the gross anatomical features.
- Integrate basic physiological and biomechanical concepts to better understand the gross anatomical structure and function.
- Use anatomical knowledge to predict the physical basis of injuries and clinical impairments.

## 6. Course Content and Schedule

### Lecture Topics (Delivered asynchronously; Available on OWL Site)

Lecture	Topic	Instructor
1	Superficial Back & Scapular Region	
2	Vertebral Column & Deep Back Region	
3	Spinal Cord & PNS	
4	Pectoral Region & Axilla	
5	Brachial Plexus	
6	Shoulder & Elbow Joints	
7	Arm	
8	Posterior Forearm	
9	Anterior Forearm & Carpal Tunnel	
10	Hand	
11	Review	
1	Intro to Lower Limb – Osteology	
2	Anterior Thigh & Medial Thigh	
3	Superficial & Deep Gluteal Region	
4	Posterior Thigh	
5	Hip & Knee Joints	
6	Popliteal Fossa & Posterior Leg	
7	Anterior & Lateral Leg	
8	Ankle	
9	Foot	
10	Review	

### Laboratory Sessions

Week	Dates	Topic	Instructor
1		<b>No Lab Sessions</b>	
2		Superficial & Deep Back	
3		Spinal Cord; Pectoral Region	
4		Brachial Plexus; Arm	
5		Shoulder & Elbow Joints; Posterior Forearm	
6		Anterior Forearm; Hand	
7		Anterior & Medial Thigh	
8		Gluteal Region; Posterior Thigh; Bony Pelvis	
9		<b>Reading Week</b>	
10		Posterior Leg; Hip & Knee Joints	
11		Anterior & Lateral Leg	
12		Ankle; Foot	
13		Mock Lab Exam (preparation experience)	
14		Cumulative Lab Practical Exam	

## 7. Participation and Engagement



- Students are expected to participate and engage with content as much as possible
- Students must attend and are expected to participate during lab sessions. If a student must miss a lab, they are expected to let the instructor and their lab mates know in advance. Missed labs without justification will result in reduced participation marks and this reduction is at the discretion of the instructors.

## 8. Anatomy Lab Information and Rules

**Due to security issues, the building will lock down at 6pm each night and will not be open on weekends.** You will be advised on OWL about any options for extra lab study hours during the regular workday when the lab is available. You are advised to make the most of your scheduled lab time as extra study time availability may fluctuate and may be limited.

Lab Rules and Regulations:

- No visitors are allowed in the lab. **This is a restricted area and only for those enrolled in the course.**
- Food and/or drink are not allowed in the anatomy lab.
- Lab coats, closed-toe shoes, long pants, 3-layer non-medical masks and safety glasses are required in the anatomy lab.
- Cameras or other recording devices (including phones) are not permitted in the lab.
- Extra study hours outside of your designated lab time will be posted on the blackboard in the lab and on OWL.
- See Haley Linklater about all lab equipment, lab coats and locker combinations.

## 9. Evaluation

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

Assessment	Format	Weighting	Date/Time
Upper Limb Exam	Written	30%	Oct 20 (7:00 – 9:00 pm)
Cumulative Lab Exam	Practical (in lab)	30%	Dec 5 (2:30 – 8:30 pm)*
Lower Limb Exam	Written	30%	TBD (Exam period)
Participation**	In lab observation	10%	Entire term

\* For each student, the Cumulative Lab Exam will last  $\leq 2$  hours; the 6-hour window is simply to account for the possibility of scheduling conflicts for some students.

\*\* Participation will be assessed for each lab session and will include: attendance; contribution to dissections; discussion of case studies; and professionalism in the lab (i.e. adherence to lab rules, keeping lab and dissection areas clean). Grades allotted to participation will be based on the entire course and are at the discretion of the instructors.

- 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 grade appeals on exams must be received within 3 weeks of the grade being posted.

Click [here](#) for a detailed and comprehensive set of policies and regulations concerning examinations and grading. The table below outlines the University-wide grade descriptors.



90-100	One could scarcely expect better from a student at this level
80-89	Superior work which is clearly above average
70-79	Good work, meeting all requirements, and eminently satisfactory
60-69	Competent work, meeting requirements
50-59	Fair work, minimally acceptable
below 50	Fail

### Information about late or missed evaluations:

- Missed exams without approved accommodation will result in a grade of zero.
- One make-up exam (per each exam) will be held for students with approved accommodation. The final date and format of the make-up exam will be determined by the instructor. The format could include an oral examination.
- If a make-up exam is missed with documentation, the student will receive an INC and will complete the exam the next time the course is offered.

**INC (Incomplete Standing):** If a student has been approved by the Academic Counselling Office (in consultation with the instructor/department) to complete term work at a later date, an INC will be assigned. 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 Counselling 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 Counselling 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 exam or the student misses the makeup exam for reasons approved by the Academic Counselling Office, the student will write the exam the next time the course is offered. Outstanding SPCs will reduce the course load for the term the exam is deferred as outlined in [Types of Examinations](#) policy.

## 10. Communication:

- Students should check the OWL site every 24–48 hours
- Students should email their instructor(s) and teaching assistant(s)
- Emails will be monitored daily; students will likely receive a response in 24–48 hours



## 11. Office Hours:

The instructors are happy to meet with students individually or in groups outside of lab sessions. Please email to set up an appointment.



## 12. Resources

- All required resources will be posted in OWL



## 13. 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 (e.g., Must Knows Facebook group, Course Hero, Chegg, 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).

## 14. 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. Make it a daily habit to log onto OWL to ensure you have seen everything posted to help you succeed in this class.

3. Follow weekly checklists created on OWL or create your own to help you stay on track.
4. Take notes as you go through the lesson material. Keeping handwritten notes or even notes on a regular Word document will help you learn more effectively than just reading or watching the videos.
5. Connect with others. Try forming an online study group and try meeting on a weekly basis for study and peer support.
6. Do not be afraid to ask questions. If you are struggling with a topic, check the online discussion boards or contact your instructor(s) and or teaching assistant(s).
7. Reward yourself for successes. It seems easier to motivate ourselves knowing that there is something waiting for us at the end of the task.

## 15. Western Academic Policies and Statements

### Absence from Course Commitments

#### A. Absence for medical illness:

Students must familiarize themselves with the [Accommodation for Illness Policy](#).

A student seeking academic accommodation for any **work worth less than 10%** must contact the instructor or follow the appropriate Department or course specific instructions provided on the course outline. Instructors will use good judgment and ensure fair treatment for all students when considering these requests. You are not required to disclose details about your situation to your instructor; documentation is not required in this situation, and you should not send any pictures to your instructor.

If you are unable to meet a course requirement for any **work worth 10% or greater** due to illness or other serious circumstances, you must provide valid medical or other supporting documentation to the Academic Counseling 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 and the instructor has been informed. Please note that the format of a make-up test, exam, or assignment is at the discretion of the course coordinator.

A student requiring academic accommodation due to illness should use the Student Medical Certificate when visiting an off-campus medical facility or request a Record's Release Form (located in the Dean's Office) for visits to Student Health Services. The form can be found at: [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/medicalform.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf)

#### B. Absence for non-medical reasons:

Student absences might also be approved for non-medical reasons such as religious holidays and compassionate situations. Please review the policy on [Accommodation for Religious Holidays](#). All non-medical requests must be processed by Academic Counselling. Not all absences will be approved; pay attention to the academic calendar and final exam period when booking any trips.

#### C. Special Examinations

A Special Examination is any examination other than the regular examination, and it may be offered only with the permission of the Dean of the Faculty in which the student is registered, in consultation with the instructor and Department Chair. Permission to write a Special Examination may be given on the basis of compassionate or medical grounds with appropriate supporting documents. To provide an opportunity for students to recover from the circumstances resulting in a Special Examination, the University has implemented Special Examinations dates. These dates as well as other important information about examinations and academic standing can be found [here](#).

## Academic Offenses

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

## Accessibility Statement

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Accessible Education (AE) at 661-2111 x 82147 for any specific question regarding an accommodation or review [The policy on Accommodation for Students with Disabilities](#)

## Correspondence Statement

The centrally administered **e-mail account** provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at his/her official university address is attended to in a timely manner. You can read about the privacy and security of the UWO email accounts [here](#).

## Discovery Credit Statement

Students are permitted to designate up to 1.0 Discovery Credit course (or equivalent) for pass/fail grading that can be counted toward the overall course credits required for their degree program. The details of this policy and the deadlines can be found [here](#).

## 16. 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 or iPod are strictly prohibited. These devices **MUST** be left either at home or with the student's bag/jacket at the front of the room and **MUST NOT** be at the test/exam desk or in the individual's pocket. Any student found with one of these prohibited devices will receive a grade of zero on the test or exam. Non-programmable calculators are only allowed when indicated by the instructor. The program is not responsible for stolen/lost or broken devices.

### Copyright and Audio/Video Recording Statement

Course material produced by faculty is copyrighted and to reproduce this material for any purposes other than your own educational use contravenes Canadian Copyright Laws. You must always ask permission to record another individual and you should never share or distribute recordings.

### Rounding of Marks Statement

Across the Basic Medical Sciences Undergraduate Education programs, we strive to maintain high standards that reflect the effort that both students and faculty put into the teaching and learning experience during this course. All students will be treated equally and evaluated based only on their actual achievement. **Final grades** on this course, irrespective of the number of decimal places used in marking individual assignments and tests, will be calculated to one decimal place and rounded to the nearest integer, e.g., 74.45 becomes 74, and 74.50 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.

## 17. 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](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](mailto:support@uwo.ca).

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

[Appeal Procedures](#)

[Registrarial Services](#)

[Student Development Services](#)

[Student Health Services](#)