

Instructor: Dr. Kelly Kaiser (Course Coordinator)
Phone: (403)220-4639
Email: kkaiser@ucalgary.ca
Office: KNB 424
Office
Hours: By appointment

Room: KNB 126
Days: M/W/F
Time: 8:00-9:50 am
Course Website: <https://blackboard.ucalgary.ca>

Instructor: Marc Bomhof
Phone: (403)220-7119
Email: mrbomhof@ucalgary.ca
Office: KNB 2220
Office
Hours: By appointment

Room: KNB 126
Days: M/W/F
Time: 8:00-9:50 am
Course Website: <https://blackboard.ucalgary.ca>

Course Description:

The instructional approach is a combination of systematic and regional anatomy and physiology with some surface anatomy and radiologic considerations. General cell physiology, bone anatomy, neurophysiology and muscular physiology, as well as skeletal structure, types of connective tissues, structure of joints and muscles of the axial and appendicular skeleton will be covered. Laboratories utilize human tissue materials, anatomical models, charts, and prosected cadavers and cadaver specimens.

Course Objectives:

This course is concerned with anatomy (the study of animal structure and organization), physiology (the study of animal function), and pathology (the study of animal diseases).

The course objectives are:

- To appreciate the organization and function of the mammalian body.
- To gain an understanding of biological structures at the cellular, tissue, organ, and organism level.
- To gain a basic understanding of how the systems of the body interact with each other to maintain homeostasis.
- To develop the technical skills required to communicate effectively with physicians, biologists, and anatomists.

Required Reading Materials:

Lecture Textbook (Required): Marieb & Hoehn
Human Anatomy, 9th ed.
Pearson/ Benjamin Cummings

Laboratory Manual (Required): KNES 259 Laboratory Manual

Other Textbooks (Supplement): Tortora
A Photographic Atlas of the Human Body, 2nd ed.
Wiley

Supplies:

Students must provide their own lab coat
Hypoallergenic powder free gloves are provided in the laboratory
Inform the laboratory assistant of sensitivity to latex or other substances

Contacting the Instructor:

Students requiring assistance are encouraged to speak with their instructor during class or by appointment. Should you wish to meet with the instructor outside of class, please email the instructor to schedule an appointment.

Email, while commonly used, does limit the effectiveness of communications and may not be the best way for instructors to answer student questions. Therefore, the instructor may request a telephone call or personal meeting. Your instructor will inform you as to his/her expectations about emails.

Grading Scale:

Grade	Percent	Grade Point Value	Description
A+	95.0-100	4.00	Outstanding
A	90.0-94.9	4.00	Excellent - superior performance, showing comprehensive understanding of subject matter.
A-	85.0-89.9	3.70	
B+	80.0-84.9	3.30	
B	75.0-79.9	3.00	Good-clearly above average performance with knowledge of subject matter generally complete.
B-	70.0-74.9	2.70	
C+	65.0-69.9	2.30	
C	60.0-64.9	2.00	Satisfactory – basic understanding of the subject matter. Grade point average below 2.00 is not sufficient for promotion.
C-	55.0-59.9	1.70	Minimum grade required if needed as a prerequisite course.
D+	50.0-54.9	1.30	
D	45.0-49.9	1.00	Minimal pass – marginal performance; generally insufficient preparation for subsequent courses in the same subject.
F	<45.0	0	Fail – unsatisfactory performance or failure to meet course requirements.

Evaluation of Course Content:

Lecture Midterm:	25%	Lecture Final:	25%
Laboratory Midterm:	25%	Laboratory Final:	25%

Late Policy:

It is the student's responsibility to supply proper documentation and/or notification **prior** to the scheduled labs and/or exams to support their circumstance. Failure to comply with this policy will result in a grade of zero for any exams and you will not be able to make up another lab without written permission from the Lab TA, the Head TA, and Dr. Kaiser.

Final Examination:

The Lecture Final Examination is schedule be the Registrar.

Additional Course Information:

- Notes, books, or computers are not allowed in any testing situation.
- Lectures and/or laboratory sessions may not be recorded electronically by any means unless permission is given by the instructors.
- If the student misses the final lecture examination, it may be rescheduled through application to the faculty office and the Registrar.
- Students are expected to read and sign the "Code of Conduct for

- Anatomical Laboratories”.
- Students may be asked to participate as research subjects during this course. Please read any information regarding any research project carefully.

Students are expected to participate in lectures, computer laboratories, cadaver laboratories, and surface anatomy laboratories unless the student’s concerns have been reviewed and alternate learning strategies have been approved with the instructor or the Associate Dean (Academic) of the Faculty of Kinesiology

Course Content:

Lecture #	Lecture ID	Date
1	Introduction to planes of movement + bones and joints	Wednesday, May 15
2	Skeletal system + Cell Physiology	Friday, May 17
	VICTORIA DAY-NO CLASSES	Monday, May 20
3	Cell Physiology	Wednesday, May 22
4	Cell Physiology	Friday, May 24
5	Cell Physiology	Monday, May 27
6	Cell Physiology	Wednesday, May 29
7	Neuroanatomy	Friday, May 31
8	Neurophysiology	Monday, June 3
9	Neurophysiology	Wednesday, June 5
	MIDTERM	Friday, June 7
10	Neurophysiology	Monday, June 10
11	Neurophysiology	Wednesday, June 12
12	Muscle Anatomy	Friday, June 14
13	Muscle Anatomy	Monday, June 17
14	Muscle Anatomy + Muscle Physiology	Wednesday, June 19
15	Muscle Physiology	Friday, June 21
16	Muscle Physiology	Monday, June 24
17	REVIEW	Wednesday, June 26
	FINAL	TBD

LABS:

Lab #	Lab ID	Date
1	Upper Extremity Bones	Wednesday, May 22
2	Lower Extremity Bones	Monday, May 27
3	Axial skeleton	Wednesday, May 29
4	Joints lab + REVIEW	Monday, June 3
	LAB MIDTERM	Wednesday, June 5
5	Nervous system	Monday, June 10
6	Upper Extremity muscles	Wednesday, June 12
7	Lower Extremity muscles	Monday, June 17
8	Axial muscles	Wednesday, June 19
9	REVIEW	Monday, June 24
	LAB FINAL	Wednesday, June 26

Supplementary Course Information

In accordance with the University of Calgary Calendar

**Academic
Accommodation
Awareness Information:**

It is the student's responsibility to request academic accommodation. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the commencement of this course. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation.

**Plagiarism/Cheating/Other Academic
Misconduct:
(see Calendar)**

A single offence of cheating, plagiarism or other academic misconduct is a serious act that will not be tolerated in the Faculty of Kinesiology. Penalties for such acts will be determined by the Dean and may result in a failing grade, probation, suspension, or expulsion. Any student who is uncertain if an action falls into this category should consult the instructor and/or the Calendar.

Midterm Exam Policy:

The Faculty of Kinesiology policy is that all students are expected to write midterm exams on the dates listed on the course outline. Special accommodation may be granted by the instructor in **exceptional circumstances only** which include illness, participation in athletic events (varsity, national or international), domestic affliction, and religious conviction. It is the student's responsibility to supply proper documentation and/or notification **prior** to the originally scheduled midterm to support their circumstance. Personal travel plans and arrangements are **not** valid reasons for requesting a special accommodation for a midterm exam. Failure to comply with this policy will result in a grade of zero for the midterm and possible failure in the course.

FOIP Policy:

Please note that the University is under the jurisdiction of the provincial Freedom of Information and Protection of Privacy (FOIP) Act. Please refer to the website for details:
<http://www.ucalgary.ca/secretariat/privacy>

**Internet and Electronic
Communication Device
Information:**

Any surfing of the Internet during lectures that is not directly related to the class discussion is distracting and strictly forbidden. Additionally, the use of any electronic devices (e.g., cellular phones, Blackberrys) for e-mailing, texting, etc. is strictly prohibited. Please turn OFF your phone before the beginning of each lecture.

Instructors have the authority, at the discretion of the dean of their faculty, to require that

specific course assignments, term papers and academic exercises be submitted in an electronic format. Instructors cannot require that multiple copies of an assignment be submitted.

**Emergency
Evacuation/Assembly
Points:**

For classes in the Kinesiology buildings Primary assembly point is the MacEwan Student Centre - North Courtyard and the Alternate assembly point is University Theatres Lobby

Safewalk Information:

Safewalk volunteers walk people safely to their destination on campus (including Health Sciences, Children's Hospital, McMahon Stadium, and University LRT station). This service is free and available to students, staff and campus visitors. Call 403-220-5333 (24 hours a day/7 days a week/365 days a year).

Student's Union:

The Kinesiology Representative is Lauren Voss- E-mail: kinesrep@su.ucalgary.ca