

Instructor: Dr. Reed Ferber (Course Coordinator) **Room:** ST 148
Phone: (403) 210-6468 **Days:** M/W/F
Email: rferber@ucalgary.ca **Time:** 8:00 am – 8:50 am
Office: KNB 242 **Course Website:** <https://blackboard.ucalgary.ca>
Office: Fridays at 11am
Hours:

Instructor: Dr. Richard Walker / Brandon Hisey **Room:** EDC 179
Phone: (403)220-7627 / (403)220-4927 **Days:** M/W/F
Email: rlwalker@ucalgary.ca **Time:** 12:00 am – 12:50 am
bhisey@kin.ucalgary.ca
Office: BI 276B /KNB 427 **Course Website:** <https://blackboard.ucalgary.ca>
Office: D. Walker by appointment
Hours: B. Hisey by appointment

Course Description:	The instructional approach is a combination of systematic and regional anatomy and physiology with some surface anatomy and radiologic considerations. This course will cover 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. 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: <ul style="list-style-type: none"> • 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:	<p>Lecture Textbook (<i>Required</i>): Marieb & Hoehn <i>Human Anatomy</i>, 9th ed. Pearson/ Benjamin Cummings</p> <p>Laboratory Manual (<i>Required</i>): KNES 259 Laboratory Manual</p> <p>Other Textbooks (<i>Supplement</i>): Tortora A Photographic Atlas of the Human Body, 2nd ed. Wiley</p>
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 office hours. Should you wish to meet with the instructor outside of office hours, please phone or email the instructor to make 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 – 85.9	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. Ferber.

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:

September 10	11	12	13	14
Introduction Lecture Planes of Movement	No Labs	Bones/Joints		UE Bones
17	18	19	20	21
LE Bones	UE Bones Lab	Axial Bones		Cell Physiology
24	25	26	27	28
Cell Physiology	LE Bones Lab	Cell Physiology		Cell Physiology
October 1	2	3	4	5
Cell Physiology	Axial Bones Lab	Cell Physiology		Cell Physiology
8 Thanksgiving Day	9	10	11	12
NO LECTURE Lab must make up	Joints Lab	Cell Physiology		Cell Physiology
15	16	17	18	19
Cell Physiology	Lab Review	Neuroanatomy		Neuroanatomy
22	23	24	25	26
Neuroanatomy	Lab Midterm	Neurophysiology	Lab Midterm	Review Lecture Lecture Midterm (6:00pm)
29	30	31	November 1	2
Neurophysiology	Nervous System Lab	Neurophysiology		Neurophysiology
5	6	7	8	9
Neurophysiology	UE Muscle Lab	Neurophysiology		Neurophysiology
12 Reading Days	13 Reading Days	14	15	16
NO LECTURE		Neurophysiology		Neurophysiology
Lab must make up	Lab must make up LE Muscle Lab			
19	20	21	22	23
Muscle Anatomy	Axial Muscle Lab	Muscle Anatomy		Muscle Anatomy
26	27	28	29	30
Muscle Anatomy	Lab Review	Muscle Physiology		Muscle Physiology
December 3	4	5	6	7
Muscle Physiology	Lab Final	Muscle Physiology	Lab Final	Review Lecture

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 <u>not</u> eligible for formal academic accommodation.
Plagiarism/Cheating/Other Academic Misconduct: (see Calendar)	A <u>single</u> 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 <u>exceptional circumstances only</u> 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 <u>prior</u> to the originally scheduled midterm to support their circumstance. Personal travel plans and arrangements are <u>not</u> 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: Safewalk Information:	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 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 Calindy Ramsden - E-mail: kinesrep@su.ucalgary.ca .