
Course Information

Instructor Name: Dr. Reed Ferber
Phone Number: 403-210-6468
Email Address: rferber@ucalgary.ca
Office #: KNB 242
Office Hours: Fri 11am-12 pm, Wed 9-10am-via Zoom

Classroom #: Online
Day(s) Class Meets: MWF
Time Class Meets: asynchronous format
Course Website: D2L
Labs: Online – asynchronous format

Instructor Name: Dr. Carol Kroeker
Phone Number: 403-220-4532
Email Address: kcagibbo@ucalgary.ca
Office #: KNB 268
Office Hours: By appointment-via Zoom

Classroom #: Online
Day(s) Class Meets: MWF
Time Class Meets: asynchronous format
Course Website: D2L
Labs: Online – asynchronous format

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 virtual 3-dimensional human anatomy software programs, anatomical models, charts, and pictures of prosected cadavers and cadaver specimens.

Prerequisites:

Biology 30, Chemistry 30, and Mathematics 30-1 or Mathematics 30-2.

Antirequisite(s)

Credit for Kinesiology 259 and any of Biology 305, Medical Science 404, Nursing 221, Zoology 461 or 463 will not be allowed.

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.

Course Content: Lectures and Lab content will be posted every Monday by 12pm (with the exception of Thanksgiving when content will be posted on Tuesday Oct 13th).

<i>September 7</i> Labour Day	8 - No Labs this week	<i>9 Introduction / Planes of Movement</i>	<i>10</i>	<i>11</i> Bones/Joints
<i>14</i> Bone Development	<i>15</i> UE Bones Lab	<i>16</i> UE Bones/Joints	<i>17</i>	<i>18</i> LE Bones/Joints
<i>21</i> Cell Physiology	<i>22</i> LE Bones Lab	<i>23</i> Cell Physiology	<i>24</i>	<i>25</i> Cell Physiology
<i>28</i> Cell Physiology	<i>29</i> Axial Bones Lab	<i>30</i> Cell Physiology	<i>October 1</i>	<i>2</i> Cell Physiology
<i>5</i> Cell Physiology	<i>6</i> Joints Lab	<i>7</i> Cell Physiology	<i>8</i>	<i>9</i> Cell Physiology
12 Thanksgiving Day NO LECTURE	<i>13</i> Lab Review	<i>14</i> Cell Physiology	<i>15</i>	<i>16</i> Neuroanatomy
<i>19</i> Neuroanatomy Lab Midterm	<i>20</i>	<i>21</i> Neuroanatomy	<i>22</i>	<i>23</i> Review Lecture
<i>26</i> Lecture Midterm	<i>27</i> Nervous System Lab	<i>28</i> Neurophysiology	<i>29</i>	<i>30</i> Neurophysiology
<i>November 2</i> Neurophysiology	<i>3</i> UE Muscle Lab	<i>4</i> Neurophysiology	<i>5</i> Neurophysiology	<i>6</i> Neurophysiology
9 Mid-Term Break NO LECTURE	10 Mid-Term Break NO LABS	11 Mid-Term Break NO LECTURE	12 Mid-Term Break NO LABS	13 Mid-Term Break NO LECTURE
<i>16</i> Neurophysiology	<i>17</i> LE Muscle Lab	<i>18</i> Neurophysiology	<i>19</i>	<i>20</i> Neurophysiology
<i>23</i> Muscle Anatomy	<i>24</i> Axial Muscle Lab	<i>25</i> Muscle Anatomy	<i>26</i>	<i>27</i> Muscle Anatomy
<i>30</i> Muscle Anatomy	<i>December 1</i> Lab Review	<i>2</i> Muscle Physiology	<i>3</i>	<i>4</i> Muscle Physiology
<i>7</i> Muscle Physiology Lab Final	<i>8</i>	<i>9</i> Review Lecture	<i>10</i>	<i>11</i>

Final Exam Scheduled by Registrar (December 12-23)

Exam and Quiz Schedule

Week of:	Exam Type	Date of Exam/Quiz*	Details**
Sept 7	No exam/quiz		
Sept 14	Quiz #1	Sept 18	15 questions, 1 attempt, 20 min to complete
Sept 21	Quiz #2	Sept 25	15 questions, 1 attempt, 20 min to complete
Sept 28	Quiz #3	Oct 2	15 questions, 1 attempt, 20 min to complete
Oct 5	Quiz #4	Oct 9	15 questions, 1 attempt, 20 min to complete
Oct 12	Quiz #5	Oct 16	15 questions, 1 attempt, 20 min to complete
Oct 19	Lab Midterm	Oct 19	50 questions, 1 attempt, 50 min to complete
Oct 26	Lecture Midterm	Oct 26	80 questions, 1 attempt, 120 min to complete
	Quiz #6	Oct 30	15 questions, 1 attempt, 20 min to complete
Nov 2	Quiz #7	Nov 6	15 questions, 1 attempt, 20 min to complete
Nov 9	No exam/quiz		
Nov 16	Quiz #8	Nov 20	15 questions, 1 attempt, 20 min to complete
Nov 23	Quiz #9	Nov 27	15 questions, 1 attempt, 20 min to complete
Nov 30	Quiz #10	Dec 4	15 questions, 1 attempt, 20 min to complete
Dec 7	Lab Final	Dec 7	50 questions, 1 attempt, 50 min to complete
Dec 12-23	Lecture Final	Date TBD	80 questions, 1 attempt, 120 min to complete

* You have the option to start a test or timed assessment at a time that best suits your situation within a 24-hour time period. Exams will open at 8:00am MST on the date shown and close at 7:59am MST the following day.

**Tests and timed assessments will be set up in D2L to include an additional time extension of 50% of the test/assessment duration, to allow for any technology issues that may arise.

All quizzes will be set up to allow for 30 minutes to complete.

The Lab Midterm and Lab Final will be set up to allow for 75 minutes to complete.

The Lecture Midterm and Lecture Final will be set up to allow for 180 minutes to complete.

Technology Requirements for Timed Assessments

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection

Required Reading Materials:

Lecture Textbook (Required): Principles of Anatomy and Physiology
15th Edition (Wiley) Tortora and Derrickson

Laboratory Manual (Required): KNES 259 Laboratory Manual EBook

Recommended Reading Materials: (Optional)

WileyPlus (via digital access code)

Assessment Components/Expectations

Grading Scale:

Letter	Percent	Grade Point Value	Description
A+	96 - 100	4.00	Outstanding
A	92 - 95	4.00	Excellent – Superior performance, showing comprehensive understanding of subject matter
A-	88 – 91	3.70	
B+	83 - 87	3.30	
B	78 – 82	3.00	Good – Clearly above average performance with knowledge of subject matter generally complete.
B-	73 - 77	2.70	
C+	68 – 72	2.30	
C	64 – 67	2.00	Satisfactory – Basic understanding of the subject matter. Grade point average below 2.00 is not sufficient for promotion.
C-	60 – 63	1.70	Minimum grade required if needed as a prerequisite course.
D+	55 – 59	1.30	
D	51 – 54	1.00	Minimal pass – Marginal performance, generally insufficient preparation for subsequent courses in the same subject.
F	<50	0	Fail – Unsatisfactory performance of failure to meet course requirements.

Evaluation of Course Content:

Lecture Midterm:	20%	Lecture Final:	20%
Laboratory Midterm:	20%	Laboratory Final:	20%
Quizzes (2% each):	20%		

NOTE: Grades will be assigned based on earned marks to one decimal point. Rounding grades is not an accepted practice in the Faculty of Kinesiology and, therefore, the grade brackets detailed above are not flexible (i.e., 87.9 is never 88.0).

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 includes 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.

Final Exam:

The Lecture Final is scheduled by the Registrar and will be between December 12-23, 2020.

The exam will take place online in D2L with a 2 hour (120 minute) time allotment plus 50% extra time for any technical issues students may encounter for a total time of 3 hours (180 minutes). Students will have a 24 hour window to complete the exam. The exam must be COMPLETED by the end of the registrar scheduled exam period for KNES 259. Once the student starts the exam, they will have a total of 3 hours to complete the exam. The exam will become available 24 hours prior to the end time of the registrar designated time slot. For example, if the registrar exam is scheduled to end at 12:00 pm on the 17th, then the exam will be available on D2L at 12:00 pm on the 16th and students must start the exam no later than 9:00 am on the 17th in order to have the 3 hours available to complete the exam. All exams would need to be completed by 9:00 am on the 17th. Once started, students will have 3 hours (180 minutes) to complete the final exam.

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 Dr. Ferber.

Additional Course Information:

If the student misses the final lecture examination, it may be rescheduled through application to the faculty office and the Registrar.

Contacting the Instructor:

Students requiring assistance are encouraged to speak with their instructor office hours. If 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.

Students' Union:

The Faculty of Kinesiology representative is Deyana Altahsh and can be reached at kinesrep@su.ucalgary.ca.

Supplementary Course Information

Plagiarism/Cheating/Other Academic Misconduct

(see Calendar <https://www.ucalgary.ca/pubs/calendar/current/k.html>):

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 in advance.

Academic Accommodation Policy and Information on Student Accessibility Services:

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 Student Accessibility Services, please contact their office at 403-220-8237. You are also required to discuss your needs with your instructor preferably within the first fourteen (14) days of this course. Students who have not registered with Student Accessibility Services **are not** eligible for formal academic accommodation. For further information, go to <http://www.ucalgary.ca/access/>.

Accommodations on Protected Grounds other than Disability:

Students who require an accommodation in relation to their coursework or to fulfil requirements for an undergraduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to Jodie

McGill, Team Lead Student Advising at jdmcgill@ucalgary.ca. Students who require an accommodation unrelated to their coursework or the requirements for an undergraduate degree, based on a protected ground other than disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience). For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/.

Intellectual Property:

Course materials created by professor(s) (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may not be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited.

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 (i.e., cellular phones) for emailing, texting, etc., is strictly prohibited. Please turn **OFF** your phone before the beginning of each lecture unless permitted. Instructors have the authority, at the discretion of the Dean to require that specific course assignments, term papers and academic exercises be submitted in an electronic format.

Library and Resources in the Library:

Visit the University of Calgary's library at <http://library.ucalgary.ca/>.

Student Success Centre:

The Student Success Centre can help you pursue your academic goals while expanding your learning opportunities. For more information go to <http://www.ucalgary.ca/ssc/>.

Wellness and Mental Health Resources:

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy website (<http://www.ucalgary.ca/mentalhealth/>).

Ombuds Office:

For an appointment with the Student Ombuds, send your request via email or call: Ombuds@ucalgary.ca – 403-220-6420 or visit their website at <https://www.ucalgary.ca/student-services/ombuds>.

Distress Centre Calgary:

They are available to talk anytime – 24 hours a day, 7 days a week, 365 days a year. Crisis doesn't take time off, neither do they. Contact them at <https://www.distresscentre.com/need-help/>.

FOIP Policy:

The University of Calgary is under the jurisdiction of the Provincial Freedom of Information and Protection of Privacy (FOIP) Act. Please refer to the website for further details. <https://www.ucalgary.ca/legalservices/foip>.

Copyright Information:

All posted and distributed materials **must** comply with the [Copyright Act](#). Further copyright information is available on the Copyright Office webpage at <http://library.ucalgary.ca/copyright>.

Emergency Evacuation/Assembly Points:

For classes in the Kinesiology buildings, the Primary assembly point is in the MacEwan Student Centre – North Courtyard. The Alternate assembly point is in the lobby of the University Theatres. For all other buildings, please refer to the website: <https://www.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points>.

Safewalk Information:

Safewalk volunteers walk people safely to their destination on campus (including Health Sciences, Children's Hospital, McMahon Stadium and the 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).