Course Outline

KIN 131: Systems Physiology I

2023W Term 2

Course Format: Lecture 1.5h + Lab 2h

Lecture Time and Location: MacLeod Building, Room 2018, Monday/Wednesday, 12:30-2PM

Lab Times and Location: Osbourne Unit 1, Room 203, Monday (4-6PM), Tuesday (11AM-1PM), Friday (8-10AM), Friday (11AM-1PM). You have been assigned to one of these lab sections and are only required to attend that section.

Instructor: Ally Schweitzer (she/her/hers)

Office: N/A

Email: allyson.schweitzer@ubc.ca

Office Hours: by appointment only. Please email your instructor to find a date and time that suits you both. A minimum of 24h notice is required to book office hours.

Teaching Assistants:

Dasha Sosna Email: dasha13@student.ubc.ca

Kjeryn Soetaert Email: kjeryn.soetaert@ubc.ca

Acknowledgement: UBC's Point Grey Campus is located on the traditional, ancestral, and unceded territory of the xwməθkwəy̓ əm (Musqueam) people. The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on their culture, history, and traditions from one generation to the next on this site.

Course Description: This course introduces the structure and function of the skeletal, muscular, nervous and endocrine system. The close relationship between structure and function is a primary focus, in addition to the study of movement physiology and pathophysiology.

Learning Outcomes:

1. Describe the structure and key functions of each of the following systems: skeletal, muscular, nervous, and endocrine.
2. Explain how the functions and regulations of each system are integrated into the whole organism.
3. Explain how these systems are regulated to control movement, their response to exercise as well as some pathological consequences of system failure.

Lecture and Lab Attendance

Lecture and lab attendance is mandatory and essential to do well in and pass this course. Kahoot! questions will be used to monitor attendance at both lectures and labs. If a student misses a class, they are responsible for catching up on any missed content. Labs will not take place every week. See the detailed course schedule below for when labs are running.

Textbook and Course Materials

1. Lecture and lab material will be made available to you on Canvas.
2. Required Text: Vander's Human Physiology 16th edition (by Widmaier, Raff, Strang; McGraw-Hill Canada).

Assessments and Weighting

In-Class Kahoot! Participation = 5%

Lab Assignments = 3 x 5% each = 15%

Quizzes = 3 x 10% each (lowest grade is dropped) = 20%

Midterm = 30%

Final Exam = 30%

Quiz Policy and Missed Evaluation Procedures

Students are required to notify their instructor if they are to be absent from any evaluation. If students fail to do so, they will receive a 0% on that evaluation. If students are absent from the

midterm, the weight of the midterm (30%) will be added to the final exam (so that the final is now worth 60%). Documentation will be required to be submitted. Students will write three quizzes this semester. The quiz with the lowest grade will be dropped and will not go towards the student's final grade. If a student is absent from any quiz, they will receive a 0% on this quiz and it will be the quiz grade that is dropped. See the policies sections below for procedures involved when students are absent from the final exam.

Evaluation Outlines

In-Class Kahoot! Participation (5%): Interactive Kahoot! questions will be included in lectures and labs to test students' understanding of the course content. Students will need a smartphone/tablet/computer to complete these questions and are required to participate in these questions to gain credit for this activity. Students will enter either their FULL NAME or STUDENT NUMBER when participating in Kahoot! questions so that their participation can be tracked. If a student is unable to be identified, they will not receive credit for participation. Kahoot! questions will take place randomly throughout lectures and labs.

Lab Assignments (3 x 5 = 15%): Lab assignments will be assigned during lab time. Students may work with their peers to complete the assignments, however; they must submit their own, unique work. Students who submit plagiarized work will receive a 0% on the assignment. See the detailed course schedule below for lab assignment due dates.

Detailed Course Schedule

The course schedule below is subject to change at the instructor's discretion.

Evaluation Schedule			
Evaluation	**Date**	**Weight**	**Lectures Covered**
Quiz 1	Wednesday, January 24	10%	Homeostasis Introduction to Physiology Introduction to Skeletal Muscle
Quiz 2	Wednesday, February 14	10%	Content TBD
Midterm	Monday, March 11	30%	Cumulative – Content TBD
Quiz 3	Wednesday, April 3	10%	Content TBD
Exam	TBD by the Registrar	30%	Cumulative – All Lecture Content

*All evaluations (except the final exam) will take place in-class, during regular class time.

Lab Schedule			
Lab Date	**Lab**	**Assignment Weight**	**Assignment Due Date**
Week of Monday, January 22	Skeletal Muscle	5%	Friday, February 9 at 4PM
Week of Monday, February 26	Midterm Review	N/A	No lab assignment.
Week of Monday, March 4	Skeletal System	5%	Friday, March 22 at 4PM
Week of Monday, March 25	Nervous System	5%	Friday, April 12 at 4PM
Week of Monday, April 8	Exam Review	N/A	No lab assignment.

*All lab assignments are to be submitted online to the appropriate Canvas folder.

Boundaries and Expectations

24-Hour Rule: Upon receiving marks/feedback, please wait 24 hours before inquiring about grades or marking. **E-mails received within 24 hours of marks being posted will not be replied to.**

Communication: Your instructor and TAs will respond to you within two business days. Your instructor and TAs will not respond to e-mails after 6:00pm, on weekends, or holidays. Please be respectful in your email communication.

Classroom/Lab Behaviour: Students are expected to participate maturely during lectures, labs, on Canvas and through email. Students are expected to show respect for their instructor, fellow students, and TAs. Disruptive and disrespectful behaviour will not be tolerated.

Policy on Grading Practices

- Assignments submitted late will be subjected to a penalty of 20% per day. For example, if the due date is Friday, March 22 at 4PM, and the assignment is submitted on Friday, March 22 at 4:01PM, 20% will be deducted from the assignment's grade. If the assignment is submitted on Saturday, March 23 after 4PM, 40% will be deducted from the assignment's final grade, etc., etc. If an assignment is not submitted and notice is not given to the instructor or TAs, the student will receive a 0% on the assignment.
- Students who know in advance that they will be unavoidably absent should appeal for special accommodation from the instructor as early in the term as possible to determine how any missed graded work will be completed. **The School of Kinesiology will not normally consider special accommodation without timely notification.** A minimum of two weeks' notification is expected, and documentation will be required.
- Where prior notification of absence from graded work is not possible (e.g., due to unforeseen illness or family crisis), students should contact the instructor as soon as possible. Supportive documentation, submitted to the Undergraduate Advising Centre, will be requested.

- **Students who miss the final examination MUST apply to the Undergraduate Advising Office as soon as possible to request consideration for academic concession**. Students will be asked to complete an Academic Concession Form and provide supportive documentation. Academic Concession is a privilege, not a right, and can be granted only by the Undergraduate Advising Office.
- Students who plan to be absent from graded work for varsity athletics, family obligations, or other similar commitments, cannot assume they will be accommodated and should discuss their commitments with the instructor before the official course drop date.
- The University accommodates students with disabilities who have registered with the Center for Accessibility. Students whose attendance or academic performance may be severely affected by medical, emotional, or other disabilities should consult with the instructor at least two weeks before scheduled tests or exams to discuss any special accommodations that might be needed to complete course requirements. Supportive documentation from either the Center for Accessibility or a physician will be required by the Undergraduate Advising Office.
- The University accommodates students whose religious obligations conflict with attendance or scheduled tests and examinations. Any accommodations should be communicated to the course instructor, preferably in the first week of class.

University Policies

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and religious observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all their actions. Details of the policies and how to access support are available on **the UBC Senate website.**

Academic Integrity

Students are expected to follow UBC policies for academic integrity and academic misconduct, which include practices around plagiarism, referencing and citation, and copyright. For more see, UBC's Learning Commons Academic Integrity resources (https://learningcommons.ubc.ca/academic-integrity/).

Accessibility

If you have any challenges accessing materials that will impact your success in this course, UBC's Centre for Accessibility can support your needs by providing appropriate accommodations to support you. UBC's Centre for Accessibility website: (https://students.ubc.ca/about-student-services/centre-for- accessibility).

Learning Analytics

Some of the learning technologies used for this course collect data to support the improvement of teaching and learning. This includes the collection of data related to overall class progress to provide personalized feedback, engagement in discussion forums to support the fostering of community within the course, and how resources are being accessed to support improvements to the course design. To learn more about learning analytics at the Faculty of Education and UBC, see the What is Learning Analytics page (https://ets.educ.ubc.ca/learning-analytics/students/).

Copyright

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