Prerequisite / Corequisite
None

Class Location
Lectures: Hebb, Room 100
   Mondays, Wednesdays, and Friday 10 – 10:50 am
Labs (depending on section): Osborne Centre, Unit 1, Room 203
   L1A (Monday): 2 – 4 pm / L1B (Tuesday): 2 – 4 pm / L1C (Wednesday): 2 – 4 pm / L1D (Thursday): 2 – 4 pm / L1E (Friday): 8 – 10 am / L1F (Wednesday): 5 – 7 pm

Course Instructor
Rob Langill (he/him/his)
Office: Osborne Centre, Unit 2, Room 125 / Phone: 604 822 6299 / Email: rob.langill@ubc.ca

Other Instructional Staff – teaching assistants (TAs)
Owen Payne (he/him/his) / Email: opayne.student@ubc.ca
Josh Taylor (he/him/his) / Email: joshua.taylor@ubc.ca

Preferred Contact Mode
Email: questions can be emailed to myself or the TAs with the subject heading KIN 132 002. General course or physiology content questions should be directed to the Course Instructor. Anatomy content and exam marking questions should be directed to the TAs. We will do our best to respond within 24 – 48 hours (keep in mind that questions sent in the evenings or on weekends may take longer).
Office hours: There are no specific meeting times but can be arranged by email either on zoom or in person.

Course Description
Human physiology and anatomy are the sciences of function and structure. Study centers on the body “systems”, a group of organs working together to perform specific functions. In this course focus is on cardiovascular (CV), respiratory (RS), urinary (UR), digestive (DI), reproductive (RP), and immune (IM) systems.

Rationale
The application of kinesiology can contribute to the functional and structural properties of the human body. In order to understand this contribution, we must first establish foundational knowledge of function and structure. It is from this base of physiology and anatomy that the role of kinesiology can be developed.

Learning Outcomes
By the end of this course students will be able to:
• Understand the basic physiology and anatomy corresponding to the six systems examined.
• See beginnings of where physiology and anatomy lead into kinesiology and its application.
• Appreciate that a clear understanding of a system requires bringing both physiology and anatomy together.
• Realize that many physiological functions involve multiple systems working together.
### Learning Materials
  - **Must** go through U.B.C. Bookstore (www.bookstore.ubc.ca/textbooks) to get a unique access to the McGraw-Hill Connect site.
- PowerPoint slides provided on the course website: www.canvas.ubc.ca.
- Anatomy models provided in labs.

### Course Structure
Lectures:
- Consist of 50-minute segments (10 – 10:50 am) covering physiology.
Labs:
- Consist of 2-hour segments covering anatomy.

### Schedule of Topics

<table>
<thead>
<tr>
<th>Monday</th>
<th>Wednesday</th>
<th>Friday</th>
<th>Anatomy Labs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 10 – 14</td>
<td>OVERVIEW</td>
<td>CV1</td>
<td>LAB INTRODUCTION</td>
</tr>
<tr>
<td>Jan 17 – 21</td>
<td>CV2</td>
<td>CV3</td>
<td>LAB1 CV</td>
</tr>
<tr>
<td>Jan 24 – 28</td>
<td>RS1</td>
<td>RS2</td>
<td>LAB2 RS</td>
</tr>
<tr>
<td>Jan 31 – Feb 4</td>
<td>CV EXAM PREP</td>
<td>LECTURE EXAM 1 CV (50 min)</td>
<td>R54</td>
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<tr>
<td>Feb 7 – 11</td>
<td>UR1</td>
<td>UR2</td>
<td>LAB EXAM 1 (LABS 1+2)</td>
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<tr>
<td>Feb 14 – 18</td>
<td>RS EXAM PREP</td>
<td>LECTURE EXAM 2 RS (50 min)</td>
<td>UR4</td>
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<tr>
<td>Feb 21 – 25</td>
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<td>No Class: Midterm Break</td>
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<tr>
<td>Feb 28 – Mar 4</td>
<td>UR EXAM PREP</td>
<td>LECTURE EXAM 3 UR (50 min)</td>
<td>DI1</td>
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<tr>
<td>Mar 7 – 11</td>
<td>DI2</td>
<td>DI3</td>
<td>LAB5 DI</td>
</tr>
<tr>
<td>Mar 14 – 18</td>
<td>DI EXAM PREP</td>
<td>LECTURE EXAM 4 DI (50 min)</td>
<td>RP1</td>
</tr>
<tr>
<td>Mar 21 – 25</td>
<td>RP2</td>
<td>RP3</td>
<td>OPEN LAB TIME</td>
</tr>
<tr>
<td>Mar 28 – Apr 1</td>
<td>IM1</td>
<td>IM2</td>
<td>LAB EXAM 2 (LABS 3+4+5)</td>
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<tr>
<td>Apr 4 – 8</td>
<td>IM4</td>
<td>RP EXAM PREP</td>
<td>NO LABS</td>
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<tr>
<td>Apr 12 – 27</td>
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<td>IM EXAM PREP</td>
<td>NO LABS</td>
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<tr>
<td></td>
<td>LECTURE EXAM 5 RP/IM (2 HRS) (Registrar Scheduled in Exam Period)</td>
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### Assessments of Learning
Lecture Exams:
- Physiological material covered during lectures.
- 5 Lecture Exams (72% overall); #1: 12% (CV), #2: 12% (RS), #3: 12% (UR), #4: 12% (DI), #5 24% (RP/IM).

Lab Exams:
- Anatomical material covered during labs.
- 2 Lab Exams (28% overall); #1: 14% (CV/RS), #2: 14% (UR/DI/RP/IM).

NO OPPORTUNITIES TO EARN EXTRA CREDITS.
University Policies

**Resources to Support Student Success:** 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. 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 for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge ideas generated by others and to uphold the highest academic standards in all of their actions. Details of policies and how to access support are available from [UBC Senate Website](#).

**Academic Accommodation for Students with Disabilities:** UBC's goal is to ensure fair and consistent treatment of all students, including students with a disability, in accordance with their distinct needs and in a manner consistent with academic principles. Students with a disability who wish to have an academic accommodation should contact the Centre for Accessibility without delay.

**Academic Integrity:** All UBC students are expected to behave as honest and responsible members of an academic community of higher learning and research. Breach of those expectations or failure to follow the appropriate policies, principles, rules, and guidelines of the University with respect to academic honesty may result in disciplinary action. It is your responsibility, as the student, to become familiar with and understand the consequences of violating the UBC's:

- [Academic Honesty and Plagiarism Policies](#)
- [Student Declaration](#)
- [Student Conduct during Examinations](#)

**Online Communications:** All UBC students are expected to communicate in a respectful and professional manner with your fellow students, teaching assistants, and instructors. Please ensure you review and are familiar with the [Student Guidelines for Respectful Online Conduct](#) from the UBC Equity & Inclusion Office.

**COVID Safety Policies**

You are required to wear a non-medical mask during our class meetings, for your own protection and the safety and comfort of everyone else in the class. For our in-person meetings in this class, it is important that all of us feel as comfortable as possible engaging in class activities while sharing an indoor space. Non-medical masks that cover our noses and mouths are a primary tool for combating the spread of COVID-19. Further, according to the provincial mandate, masks are required in all indoor public spaces including lobbies, hallways, stairwells, elevators, classrooms and labs. Please eat or drink between classes. Please remember there may be students who have medical accommodations for not wearing a mask. Students who wish to request an exemption to the indoor mask mandate must do so based on one of the grounds for exemption detailed in [the PHO Order on Face Coverings (COVID-19)](#). Such requests must be made through the Center for Accessibility. Please maintain a respectful environment: [UBC Respectful Environment Statement](#).

If you are sick, it is important that you stay home. Complete a self-assessment for Covid-19 symptoms: [https://bc.thrive.health/covid19/en](https://bc.thrive.health/covid19/en).

If Course Instructor) is feeling ill, will not come to class. Will make every reasonable attempt to communicate plans for class as soon as possible (likely by email). Will be supplemented by online delivery of the material.
Course Policies

Authorized Absences: 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. Special accommodation requires timely notification. A minimum of two weeks notification is expected and documentation will be required.

Unforeseen Absences: Where prior notification not possible (unforeseen illness or family crisis), students should contact the instructor as soon as possible. Supportive documentation, submitted to Kinesiology Advising, will be requested. Go to Academic Concession and select either: academic concession for in-term work or academic concession for final exams. Note if you are a non-KIN student you need to request Academic Concession through your home faculty advising.

Academic Concession is a privilege, not a right. Students cannot assume they will be accommodated and should discuss their commitments with the instructor before the official course drop date.

In any case, the student is responsible for all material covered whether in attendance or not (includes all announcements if changes need to be made).

Copyright

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