Prerequisite / Corequisite
None

Class Location – lectures and labs
Osborne Centre, Unit 1, Room 203
Mondays and Wednesdays 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 assistant (TA)
Monika Sohal (she/her/hers)
Email: monika.sohal@ubc.ca

Preferred Contact Mode
Email: questions can be emailed to myself or the TA with the subject heading KIN 132 921. General course or physiology content questions should be directed to the Course Instructor. Anatomy content/assignments and exam marking questions should be directed to the TA. 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.
• Recognize the importance of homeostasis and the contributions of various control systems.
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 lab time.

Course Structure
Lectures: class will consist of two 50-minute segments (5 – 5:50 pm / 6 – 6:50 pm) covering physiology with a 10-minute break between.
Labs: class will be broken down on the first night into 2 groups. Within your group you will have a 1 hour segment covering anatomy.

Schedule of Topics

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday (5 – 7 pm)</th>
<th>Wednesday (5 – 7 pm)</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>September 6: No Class (Labour Day)</td>
<td>September 8: Course Intro / Lab Intro</td>
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<tr>
<td>Week 2</td>
<td>September 13: Lab 1 / Open Lab Time</td>
<td>September 15: Lecture CV1 / Lecture CV2</td>
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<td>Week 3</td>
<td>September 20: Lab 2 / Open Lab Time</td>
<td>September 22: Lecture CV3 / Lecture CV4</td>
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<td>Week 4</td>
<td>September 27: Open Lab Time</td>
<td>September 29: Lecture CV5 / Lecture CV6</td>
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<td>Week 5</td>
<td>October 4: Lab Exam 1 (Labs 1/2)</td>
<td>October 6: Lecture RS1 / Lecture RS2</td>
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<td>Week 6</td>
<td>October 11: No Class (Thanksgiving Day)</td>
<td>October 13: Lecture Exam 1 (CV 1.5 hrs)</td>
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<td>Week 7</td>
<td>October 18: Lab 3 / Open Lab Time</td>
<td>October 20: Lecture RS3 / Lecture RS4</td>
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<td>Week 8</td>
<td>October 25: Lab 4 / Open Lab Time</td>
<td>October 27: Lecture UR1 / Lecture UR2</td>
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<td>Week 9</td>
<td>November 1: Open Lab Time</td>
<td>November 3: Lecture UR3 / Lecture UR4</td>
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<td>Week 10</td>
<td>November 8: Lab Exam 2 (Labs 3/4)</td>
<td>November 10: No Class (Midterm Break)</td>
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<tr>
<td>Week 11</td>
<td>November 15: Lecture DI1 / Lecture DI2</td>
<td>November 17: Lecture Exam 2 (RS/UR 2 hrs)</td>
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<td>Week 12</td>
<td>November 22: Lecture DI3 / Lecture DI4</td>
<td>November 24: Lecture RP1 / Lecture RP2</td>
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<td>Week 13</td>
<td>November 29: Lecture RP3 / Lecture IM1</td>
<td>December 1: Lecture IM2 / Lecture IM3</td>
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<td>Week 14</td>
<td>December 6: Lecture IM4</td>
<td>December 8: No Class (term ends Dec 7)</td>
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Exam Period: December 11 – 22
Lecture Exam 3 (DI/RP/IM 2 hrs)

Assessments of Learning
Lecture Exams
- Focus on physiological material covered during lectures.
- Completed in lecture time or the exam period.
- 3 Lecture Exams (70% overall); #1: 20% (CV), #2: 25% (RS/UR), #3: 25% (DI/RP/IM)

Lab Exams
- Focus on identification of anatomical structures covered during labs.
- Completed in lab time.
- 2 Lab Exams (30% overall); #1: 12% (CV/RS), #2: 18% (UR/DI/RP/IM)
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.

Course Policies

_Course Exams and Assignments:_ Students are reminded that they must be available to write the exams when scheduled so pay attention to dates and deadlines. There are NO OPPORTUNITIES TO EARN EXTRA CREDITS.

_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 of absence 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. For in-term work or final exams 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, and can be granted only by KIN Advising. Students cannot assume they will be accommodated, and should discuss their commitments with the instructor before the official course drop date. In any case, student is responsible for all material covered whether in attendance or not (includes all announcements if changes need to be made).
COVID Safety

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. 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 here: https://bc.thrive.health/covid19/en.

If you miss class/lab because of illness: Make a connection early in the term to another student or a group of students in the class. You can help each other by sharing notes. If you don’t yet know anyone in the class, post on the discussion forum to connect with other students. You will not be penalized for missing content if you are showing symptoms of COVID-19 and stay home as advised above.

If you are feeling ill and cannot attend class for an in-class assessment: Please email the instructor right away. If you arrive for a test and you are clearly ill, we will make alternate arrangements with you. It is better to email ahead of time and not attend. Complete a request for Academic Concession explained under the heading Course Policies.

If I (the instructor) am feeling ill: If I am unwell, I will not come to class. I will make every reasonable attempt to communicate plans for class as soon as possible (likely by email). This will be supplemented by online delivery of the class.

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