



UNIVERSITY OF BRITISH COLUMBIA  
School of Kinesiology  
Kinesiology 132 001 (3.0) formerly KIN 191  
Systems Physiology II  
2024 Winter Term 1

## Prerequisite / Corequisite

None

## Course Instructor

Rob Langill (he/him/his)

## Other Instructional Staff – teaching assistants

Ben McIntosh / Cindy Sha

## Preferred Contact Mode

As anatomy and physiology material can be difficult concepts to explain over email I prefer to answer questions in person. If you cannot accommodate this, email with subject heading KIN 132 001 to set up a personal meeting time. I will do my best to respond within 24 hours (weekends may take longer). TAs will be available for questions in lab time.

## Course Description

Human physiology and anatomy are sciences of function and structure. Our study approach is to look at “systems”, organs working together to perform specific functions. In this course systems include: cardiovascular (CV), respiratory (RS), urinary (UR), digestive (DI), and immune (IM).

## Rationale

Kinesiology can contribute to functional and structural properties of human body. In order to understand this contribution, need to establish foundational knowledge of physiology and anatomy. From this base, role of kinesiology can be developed.

## Learning Outcomes

By the end of this course students will be able to:

- Understand basic physiology and anatomy corresponding to systems examined.
- See beginnings of where physiology and anatomy lead into kinesiology.
- 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

- No required textbook; recommend you get an anatomy and physiology textbook to support your studies.
- PowerPoint slides provided on course website: [www.canvas.ubc.ca](http://www.canvas.ubc.ca).
- Material for exams will be from PowerPoint slides and corresponding lectures/labs.

## Course Structure

- Lectures consist of a 50-minute presentation.
- Labs consist of a presentation and open time over a 2-hour lab section.

## Schedule of Topics

- Lectures:
  - CV – 7 physiology lecture
  - RS – 5 physiology lectures
  - UR – 5 physiology lectures
  - DI – 5 physiology lectures
  - IM – 5 physiology lectures
- Labs:
  - Lab 1 – CV anatomy
  - Lab 2 – RS anatomy
  - Lab 3 – UR anatomy
  - Lab 4 – DI anatomy part 1
  - Lab 5 – DI anatomy part 2 / IM anatomy

## Assessments of Learning

5 Lecture Exams: each is a final, not cumulative over term.

- CV EXAM: 15% / CV 1 – 7 lectures.
- RS EXAM: 15% / RS 1 – 5 lectures.
- UR EXAM: 15% / UR 1 – 5 lectures.
- DI EXAM: 15% / DI 1 – 5 lectures.
- IM EXAM: 15% / IM 1 – 5 lectures.
- Exam format: multiple choice questions.

2 Lab Exams: each is a final, not cumulative over term.

- LAB EXAM 1: 12.5% / CV and RS labs.
- LAB EXAM 2: 12.5% / UR, DI, and IM labs.
- Exam format: identification using models, diagrams, written questions.

- Coverage: lab material on lab exams; lecture material on lecture exams.
- In all cases: NO OPPORTUNITIES TO EARN EXTRA CREDITS / NO CHANGING OF WEIGHTING.

## 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 for religious, spiritual and cultural 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 of their actions.
- Details of the policies and how to access support are available on the UBC Senate website.

## Course Policies

- If student, TA, or course instructor sick – stay home.

### Lecture or lab absence:

- Responsible for all material whether in attendance or not (includes announcements if changes needed).
- Lecture absence – notification not required.
- Lab absence – notification not required – but contact course instructor as soon as possible if wish to attend a later in week lab section – do not just show up.

### Exam absence:

#### Foreseen:

- Prior notification possible (such as UBC athletics).
- Notify course instructor as early in term as possible (generally a minimum 2 weeks prior expected).

#### Unforeseen:

- Prior notification not possible (such as illness or family crisis)
- Notify course instructor as soon as possible.

#### Foreseen or Unforeseen:

- In either case an academic concession needs to be applied for through KIN Advising.
- Go to “Campus Supports & Resources” select “Academic Concession” and click on “Apply for Academic Concession” at the following site:  
<https://kin.educ.ubc.ca/undergraduate/campus-supports-resources/>
- If a non-KIN student requests need to go through home faculty according to their policies.
- Academic concession is a privilege, not a right; do not assume you will be accommodated.
- If no academic concession application has been submitted to KIN Advising one week after exam a grade of zero is assigned for missed lab or lecture exam.

#### Make up exam policy: if approved

- Lab exam:
  - Preferred option – done in another lab section later in same lab exam week.
  - If not possible – scheduled on a case by case basis.
- Lecture exam:
  - Done during final exam period in December when Registrar schedules exam day/time for our course.
  - If have already done all 5 lecture exams – no make-up exam needed – no December final exam.

## Copyright

- All materials of this course are intellectual property of course instructor or licensed to be used in this course by copyright owner.
- Redistribution of these materials by any means without permission of copyright holder(s) constitutes a breach of copyright and may lead to academic discipline.