



UNIVERSITY OF BRITISH COLUMBIA
School of Kinesiology
Kinesiology 132 921 (3.0) formerly KIN 191
Systems Physiology II
2022/23 Summer Term 2

Prerequisite / Corequisite

None

Lecture and Lab

Osborne Centre, Unit 1, Room 203
Tuesday / Thursday 9 – 12 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

Josh Taylor (he/him/his)
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Preferred Contact Mode

As anatomy and physiology material can be difficult concepts to explain over email I prefer to answer questions in person.

Office hours: Tuesday / Thursday 12 – 1 pm after classes in Osborne Centre, Unit 1, Room 203. If you cannot accommodate this, email with subject heading KIN 132 921 to set up a personal meeting time. I will do my best to respond within 24 hours (questions sent evenings or Friday-Sunday may take longer). TA 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 will include: cardiovascular (CV), respiratory (RS), urinary (UR), and digestive (DI).

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.
- Material for exams will be from PowerPoint slides and corresponding lectures.

Course Structure

- Most days: 1st session 9 – 10:20 am / 10-minute break / 2nd session 10:30 – 11:50 am.
- Lectures consist of an 80-minute presentation (1 or 2 of these depending on day).
- Labs consist of a short presentation and open time totaling 80-minutes.
- Lab exam days: 30-minute lab exam / 15-minute break / 80-minute lecture following.
- Lecture exams days: 80-minute lecture exam only (no following material).

Schedule of Topics

	TUESDAY (9 – 12)	THURSDAY (9 – 12)
JUL 4 – 6	COURSE OVERVIEW LECTURE CV1	CV LAB 1 LECTURE CV2
JUL 11 – 13	CV LAB 2 LECTURE CV3	LECTURE CV4 RS LAB
JUL 18 – 20	LECTURE RS1 LECTURE RS2	LAB EXAM 1 (CV/RS) LECTURE RS3
JUL 25 – 27	UR LAB LECTURE UR1	CV/RS LECTURE EXAM
AUG 1 – 3	LECTURE UR2 DI LAB 1	LECTURE UR3 DI LAB 2
AUG 8 – 10	LECTURE DI1 LECTURE DI2	LAB EXAM 2 (UR/DI) LECTURE DI3
Exam Period Aug 15 – 19	UR/DI LECTURE EXAM Must be available to write in exam period whenever Registrar schedules.	

Assessments of Learning

2 Lecture Exams: each is a final for systems covered, not cumulative over term.

- CV/RS LECTURE EXAM (July 27): 35% / covering CV and RS lectures.
- UR/DI LECTURE EXAM (between Aug 15 – 19): 35% / covering UR and DI lectures.
 - Exam format: multiple choice questions.

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

- LAB EXAM 1 (July 20): 15% / covering CV lab 1, CV lab 2, and RS lab.
- LAB EXAM 2 (Aug 10): 15% / covering UR lab, DI lab 1, and DI lab 2.
 - Exam format: identification using models, diagrams, written questions.
- Material covered in lab is covered on lab exams; material covered in lecture is covered 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 absence: notification not required: responsible for all material whether in attendance or not (includes announcements if changes needed).
- Exam absence:
 - Foreseen: notification of course instructor as early in term as possible (minimum two weeks notification expected and support documentation required).
 - Unforeseen – prior notification not possible (illness or family crisis)
 - Notification of course instructor as soon as possible; go to KIN Advising under academic concession and select “concession for in-term work” or “concession for final exam” (non-KIN students requests through your home faculty).
 - If approved KIN Advising will contact course instructor; a make-up exam can now be arranged.
- Academic concession is a privilege, not a right; do not assume you will be accommodated.

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