Skills in clinical settings

Learning more about research

Learning more about interdisciplinary approaches to medicine

Learn more about medical sciences

1. **KIN\_V 562 (3) Bioenergetics of Physical Activity**

Basic energy systems of the human body; primarily concentrating on the bioenergetics of the skeletal muscle cell, recovery from muscular work, substrate utilization, muscle fiber types, strength, endurance and the physiological assessment of maximal performance. *This course is not eligible for Credit/D/Fail grading.*

1. **KIN\_V 563 (3) Measurement of Human Motion**

A critical evaluation of research tools used to measure and assess human motor performance including electromyography, anthropometry, ergometers, indirect calorimetry, cinematography, and indirect dynamics. *This course is not eligible for Credit/D/Fail grading.*

### KIN\_V 574 (3) ****Seminar in Health Promotion Through Physical Activity****

The relationship of new concepts in health to the promotion of health through physical activity; the application of research findings from a number of disciplines to the identification, selection, and targeting of health promotion/education strategies related to physical activity. This course is not eligible for Credit/D/Fail grading.

# ANAT\_V 392 - Gross Anatomy of the Limbs and Trunk (4 credits)

Lectures and laboratory sessions on the human gross and functional anatomy of the limbs and trunk. The course includes the study of predissected specimens. For credit only in the Department of Physical Therapy.

A screenshot of a computer

Description automatically generated

[**KIN 420: Prevention of Sports Injuries**](https://educ-kin2016.sites.olt.ubc.ca/files/2023/01/KIN420-2022W.pdf)**:** Training and safety strategies for the prevention of injuries to the musculoskeletal system and sense organs.

[**KIN 355: Movement Experiences for Young Children**](https://educ-kin2016.sites.olt.ubc.ca/files/2023/09/KIN355-2023W.pdf)**:**The design and implementation of movement experiences for children in early childhood years.

**Medi 501:** Molecular and Cellular Biology of Experimental Medicine. Cell and molecular function in normal tissues and in specific disease processes, including genetic, viral, bacterial, immune and physiological disorders. This course is held in the Fall term (Sept.-Dec.) at the Eye Care Centre.

I do better with structure, so maybe start with weekly meetings and then move to biweekly in the new year if that works for them?

* Layout goals/what I should be getting done

Work computer? NO

Going into the lab?

Layout of the program/thesis

GETTING EMAIL – access to folders

Research statistics/methodology courses

* Methodology or stats side

Survey and device based research

Spph = 400 level intro to stats (mike marin)

Directed studies

Emily: office in clinical support building (CSB)

* Coordinator office

[**MEDI 535**](https://med-fom-exp-med.sites.olt.ubc.ca/files/2010/08/MEDI535-schedule.doc) (3.0 credits) Research Seminar. Reviews of research in selected areas of Experimental Medicine pertaining to skin health and disease, which may include presentation of student's own research results.Students from outside the Program require permission from the Experimental Medicine Office. Please contact Dr. Sunil Kalia for information regarding the schedule.

Masters program:

* population health
  + focused on physical activity
* development of clinical pathway for the return of physical activity following hip
  + more prevalent among boys late childhood
  + femoral head is impacted
  + need bed rest and avoid physical activity for a period of time
  + there isn’t much guidance on how to safely return to physical activity when hip is clinically okay again
* lots of variability in what is recommended
* paper outlining methodology
  + follow a similar methodology
  + first step: expert survey on what is being recommended (
* have a panel of experts in the field to inform the clinical guidelines
  + what are the criteria that need to be evaluated
  + what do we need to see clinically to allow them to resume to activity (gradual, protected)
* interesting methodological process
  + interesting to follow data and experts you are surveying