

2021 Winter CAPS 430 - Advanced Laboratory in Physiology Course Schedule

Course Coordinator

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Course Instructors

- Dr. Christina Hull christina.hull@ubc.ca
- Dr. Elizabeth Rideout rideoute@mail.ubc.ca
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Teaching Assistants

- Mo Miao - Term 1 miao_mo@yahoo.ca
- Seevasant Indran – Term 1 zeeva85@hotmail.com
- Kaitlin Sullivan – Term 1 kaitlinsullivan94@gmail.com
- Daniel Pasula – Term 2 dpasula@bcchr.ca
- Puja Biswas – Term 2 puja.biswas@alumni.ubc.ca
- Peter Overby – Term 1&2 peter-overby90@hotmail.com
- Nico Werschler – Term 1&2 nico.werschler@ubc.ca

TERM 1

All classes 10am-4pm in the Biological Sciences Building 3027, 3029 teaching labs [unless otherwise advised]

Sept 17

- 9:30 AM Welcome and course outline to CAPS 430 (Allan, Hull, Miao)
- 10:00 AM - 12:00 PM EDI workshop (Miled, Campol)

- 1:00 – 2:00 PM Q+A about the lab series. (Allan, Hull, Miao)

Sept 24 Bioinformatics (Allan, Loewen, TA: Miao)

Oct 1 R workshop series 1 (Cembrowski, TA: Sullivan)

Oct 8 R workshop series 2 (Cembrowski, TA: Sullivan)

Oct 15 R workshop series 3 (Cembrowski, TA: Sullivan)

Oct 22 Gross anatomy lab: GI Tract and Renal. Meet at LSI Reception.
(Vogl, TA: Werschler)

Oct 29 pH Lab 1 (Loewen, Young, TA: Indran)

Nov 12 MIDTERM BREAK

Nov 19 pH Lab 2: Gene Array analysis (Loewen, Young, TA: Indran)

Nov 26 Human Cardiovascular Physiology (Hull, TA: Overby)

Dec 3 Scientific Process (Allan, TA: Miao)

TERM 2

All classes in BioSci Teaching Lab unless otherwise stated - (10am-4pm)

Jan 14 Gross anatomy lab: Nervous system. Meet at LSI Reception. (Vogl, TA: Werschler)

Jan 21 Neuroscience 1 (Mason, Hull)

Jan 28 Neuroscience 2. Group A (Mason, Hull).

Calcium imaging 1.Group B (Luciani, TA: Pasula)

Feb 4 Neuroscience 2.Group B (Mason, Hull)

Calcium imaging 1.Group A (Luciani, TA: Pasula)

Feb 11 Neuroscience 3.Group A (Mason, Hull)

Group B Lab TBD (TBD)

Feb 18 Neuroscience 3.Group B (Mason, Hull)

Group A Lab TBD (TBD)

Feb 25 MIDTERM BREAK

Mar 4 Gross anatomy lab: Endocrine system. Meet at LSI Reception. (Vogl, TA: Werschler)

Mar 11 Glucose Tolerance (Hull, TA: Overby)

Mar 18 Lipid Metabolism (Rideout, TA: Biswas)

Mar 25 Scientific controversies 1, Debate prep (Weidberg)

Apr 1 Scientific controversies 2, Debate (Weidberg)