

**CAPS 422 Mammalian Cardiovascular & Respiratory Physiology****Lecture Schedule 2019-2020**

Room 1416 LSC

T/TH 8:00-10:00 am

<b>Date</b>	<b>Topic</b>	<b>Lecturer</b>
Sept. 3	<b>Imagine UBC Day- all UG Science classes cancelled</b>	
Sept. 5	Mechanics of Breathing I	Osborne
Sept. 10	Mechanics of Breathing I/II	Osborne
Sept. 12	Mechanics of Breathing II	Osborne
Sept. 17	Ventilation & Perfusion: Distribution & Mismatch	Osborne
Sept. 19	Mechanisms of Hypoxemia	Osborne
Sept. 24	Control of Breathing I	Osborne
Sept. 26	Control of Breathing II	Osborne
Oct. 1	Respiratory Physiology during Lung Development and during Pregnancy	Osborne
Oct. 3	Respiratory Physiology during Sleep & in Diving	Osborne
Oct. 8	Breathing & High Altitude	Osborne
Oct. 10	Student Presentations	Osborne
Oct. 15	Student Presentations	Osborne
Oct. 17	<b>Midterm Exam (respiratory content)</b>	Osborne
Oct. 22	<b>No Class (CAPS 423 exam)</b>	
Oct. 24	Introduction/ Ionic Basis of the Action Potential I	Accili
Oct. 29	Autonomic Regulation of Heart Rate I	Accili
Oct.31	Autonomic Regulation of Heart Rate II	Accili
Nov. 5	Cardiac Cycle	Courneya
Nov. 7	ECG/Arrhythmia	Courneya
Nov. 12	Excitation-Contraction Coupling: The Basics	Moore
Nov. 14	Ryanodine Receptors: Centre Stage	Moore
Nov. 19	Regulation of Cardiac Contraction I	Moore
Nov. 21	Regulation of Cardiac Contraction II	Moore
Nov. 26	Regulation of Cardiac Contraction III	Moore
Nov. 28	Integration – Heart Failure	Moore
TBA December	<b>Final Exam (cardiovascular content)</b>	Moore