

CAPS 426 Physiological Basis of Central Nervous System Functions

2020 Schedule

Room: LSC 1510

Time: Tuesdays and Thursdays, 8:00am-10:00am

Course Director: Dr. Kurt Haas (kurt.haas@ubc.ca)

Course Lecturers: Drs. Tim O'Connor, Eric Accili, Chris Loewen, Shernaz Bamji, Doug Allan, Kurt Haas

1. Jan. 7, 2020: Introduction to the Neuron (Dr. O'Connor)
2. Jan. 9, 2020: General Neuroanatomy (Dr. O'Connor)
3. Jan. 14, 2020: Membrane Potential and Action potentials (Dr. Accili)
4. Jan. 16, 2020: Neuronal Electrophysiology (Dr. Accili)
5. Jan. 21, 2020: Cell Biology of the Neuron (Dr. Loewen)
6. Jan. 23, 2020: Receptors and Neurotransmitters (Dr. Haas)
7. Jan. 28, 2020: Development – Neurogenesis, Migration and Patterning (Dr. Allan)
8. Jan. 30, 2020: Development – Differentiation (Dr. Allan)
9. Feb. 4, 2020: Axonal pathfinding (Dr. O'Connor)
10. Feb. 6, 2020: Cell death in neuronal development (Dr. Bamji)
11. Feb. 11, 2020: Midterm
 Reading Week Feb. 17 - 21
12. Feb. 25, 2020: Sensory and Motor Systems (Dr. Bamji)
13. Feb. 27, 2020: Synaptic plasticity – LTP/LTD (Dr. Bamji)
14. Mar. 3, 2020: Synaptogenesis and Circuit formation (Dr. Haas)
15. Mar. 5, 2020: Learning and Memory (Dr. Haas)
16. Mar. 10, 2020: Neural Encoding (Dr. Haas)
17. Mar. 12, 2020: Sleep and Consciousness (Dr. Haas)
18. Mar. 17, 2020: Disease Modeling, Regeneration (Drs. Bamji/O'Connor)
19. Mar. 24, 2020: Neurogenetics (Dr. Allan)
20. Mar. 26, 2020: Review
21. TBA: Between April 14-29, 2020: Final Exam