

KD 250 472 5657; GA 250 472 5178

- Office: Cunningham 259A
- Office hours: Delaney: Available for 30 minutes after each lecture or by appointment

Information in this outline is current as of Jan. 9, 2022 and subject to update. Any changes to the outline will be advertised in lecture and available on BrightSpaces.

Zoom link for on-line as of Jan 8:

<https://uvic.zoom.us/j/6974393908?pwd=YXR5TGhyT3NodHZWQUF0ZzNhV2tFQT09>

- To acquire knowledge of the principles of function of nervous systems through an understanding of the cellular properties of neurons and their integration into neural circuits to produce behavior and perception. Topics to be covered include:

- Structure of neurons and nervous tissue
- Electrical properties of neurons: passive and active, ion channel properties
- Synaptic transmission between neurons: presynaptic and postsynaptic elements
- Synaptic plasticity: activity and neuromodulator dependent processes
- Learning and memory: plasticity at the cellular and systems level
- Sensory Systems: transduction of sensory signals, sensory system integration
- Motor Systems: motor control and motor system dysfunction (disease and injury)
- Physiological basis for higher order neural processes – Emotion, Addiction, Sleep etc.

In Class Quiz	(10%) (0.5hrs) Feb. 07
Midterm Exam	(30%) (1.4 hrs) Feb. 17 (prior to reading break since last day to drop course is Monday Feb. 28)
Final Exam	(60%) (3.0 hrs) Scheduled by U/G Records

Material tested in examinations will be derived directly _____ and material from sections of the course textbook –see below.

If a student cannot attend the midterm they must contact Dr. Delaney by email or phone as soon as possible – either within 24 hours or have a good reason for not contacting within 24 hours -- to determine *if* a make-up exam is possible. Once the answers to the midterm are available a make-up exam will not be possible.

If illness prevents writing of the FINAL examination students must inform the instructor AND the student must submit a Request for Academic Concession (RAC) to enable their N grade to be entered as DEF. If a missed final cannot be accommodated before the submission of final marks then the DEF exam will be scheduled by Undergraduate Records during their deferred exam period.

