

This course is intended for Honours students in Physiology or other life sciences. **This course is eligible for Credit/D/Fail grading.** You must register in the course before you can select the Credit/D/Fail grading option. Registered students will have access to a CAPS 424 web site on UBC Connect as of January 1 preceding the course. This is used for the posting of lecture notes and other relevant course material. In addition to attending lectures, students will also participate in group-based mini-presentations of selected topics. *Course Assessment* is based on mid-term and final examinations (90%) as well as the student presentations (10%). Examinations are based upon lecture material only. There are no recommended textbooks for the course.

<p>TOPICS</p> <p>Introduction (Baimbridge)</p> <p>Membrane Receptors; Intracellular Signalling Pathways 1 & 2 (Luciani);</p> <p>Steroid Receptors (Hammond)</p> <p>Endocrine control of transcription and development (Hoffman)</p> <p>Peptide Hormone Processing (Verchere)</p> <p>Hypothalamus/Pituitary Overview; Opioid peptide (Viau)</p> <p>Adrenal cortex; Adrenal medulla and the SNs;</p>	<p>Thyroid hormone; Calcium homeostasis (Baimbridge)</p> <p>Regulation of Food Intake & Body Weight; Fat and Adipokines 1 & 2 (Clee)</p> <p>Pancreas Pt.1: Regulation of Insulin & Glucagon (Hoffman)</p> <p>Pancreas Pts. 2 & 3: Enteroinsular Axis; Diabetes (Kieffer)</p> <p>Reproductive Endocrinology 1, 2 & 3; Endocrine systems & the life cycle (Hammond)</p>
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Prerequisite: A cumulative average of 75% over at least 90 credits attempted in the first three years of a student's program and a minimum mark of 75% in CAPS 301 or its equivalent. Permission of the course director is also required for all except Honours CAPS students.