

Prerequisites: PHGY210

Class days and location: Tuesday and Thursday 4PM-5:30PM SADB room 2/36

Classes from January 7th, 2025 to April 10th, 2025, inclusive
Spring break: March 3rd-7th, 2025

Course coordinator: Claire-Dominique Walker,

Douglas Institute, Claire-dominique.walker@mcgill.ca.

Office hours: on appointment

TA: Jiamin Song, Jiamin.Song@mail.mcgill.ca

Office hours: on appointment. Monitors discussion on MyCourses

Course Description/Overview: This undergraduate-level course is intended as an overview of the different

neuroendocrine systems participating in homeostasis. Struct61 Td ()4.1 (-6.3 (81Ans)-8 (c).4 (ent)-s)-8 (i)9.7 (on)--6.3 (i).2
SJ 0.0(198 44)-6.9 (l8 4.242 (J 0.0(1925645] 4.2 3579 -0 4)6>994.96 -0 0 9.n8 3 l8 4.242 (J 0.0(1925645] 4.q 357.1242 (J

Quiz (3)	3 x 3.33% (10% total)	Online, multiple choice questions (10 questions/quiz)	One roughly every 3-4 weeks.	No make-up quiz, can miss one without penalty. If more than one missed, zero grade for missed quiz.
----------	-----------------------	---	------------------------------	---

Assessments in this course are governed by the [Policy on Assessment of Student Learning](#) (PASL), which provides a set of common principles to guide the assessment of students' learning. Also see [Faculty of Science-specific rules](#) on the implementation of PASL.

Departmental Grading Policy: The Department of Anatomy & Cell Biology will NOT revise/upgrade marks except on sound academic grounds. Once computed, the marks in this course will NOT be altered/increased arbitrarily. Decimal points will be "rounded off" as follows: if the final aggregate mark is computed to be 79.5%, the mark will be reported as 80% (an A-); a final aggregate mark of 79.4% will be reported as 79% (a B+). These marks are FINAL and non-negotiable. vTc 0.002 Tw 26.14EMC /Pe,9283 (vTC7u-1220.1a3Tw (-)

	21	Neuroendocrine control of reproduction I	D. Bernard
	23	Neuroendocrine control of reproduction II	D. Bernard
	28	Neuroendocrine control of reproduction III	D. Bernard
	30	Neuroendocrine control of reproduction IV	D. Bernard
February	3	QUIZ 1 (on line Mon Feb 3rd, 7PM) material up to Jan 30 th inclusive	
February	4	The adrenocortical axis	D. Walker
	6	Stress and glucocorticoids in the periphery and CNS	D. Walker
	11	Chronic stress and disease	D. Walker
	13	No class MIDTERM EXAM (6:30PM, M1)	
	18	Immune and neuroendocrine interactions I	D. Walker
	20	Stress and microbiome in pathology	D. Walker
	25	Hypothalamic control of food intake	M. Kokoeva
	27	Reward and plasticity in food intake	M. Kokoeva
March 3 - March 7		Spring break (no class)	
March	10	QUIZ 2 (on line Mon March 10 7PM) material up to Feb 27 th inclusive	
	11	Brain stem circuits in energy balance control	P. Sabatini
	13	Regulation of growth hormone secretion	T. Stroh
	18	Somatostatin	T. Stroh
	20	Endocrine disruptors in neuroendocrinology I	T. Stroh
	25	Endocrine disruptors in neuroendocrinology II	T. Stroh
	27	Circadian rhythms and neuroendocrine regulation I	N.Cermakian
April	1	Circadian rhythms and neuroendocrine regulation II	N.Cermakian
	3	Neuroendocrine systems and Seasonal regulation	F. Storch
	7	QUIZ 3 (on line Mon April 7th, 7PM) material up to April 3 rd inclusive	
	8	Neuroendocrine control of the thyroid gland function I	TBD
	10	Neuroendocrine control of the thyroid gland function II	TBD
	14-30	FINAL EXAM (regular exam session)	