

BIOD27H3S
Molecular Endocrinology
Fall 2012

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Office Hours: TBD

Appointments outside of office hours can be arranged by e-mail. I will do my best to make time to meet with you. **Please come prepared.**

Lecture: Tuesdays 9am - 12pm

Recommended Text (in bookstore):

Endocrine Physiology, 3rd Ed. By Patricia

Publisher: McGraw-Hill-Lange

On reserve in Library:

Endocrinology (6th Ed.) by Mac Hadley & Jon Levine (Pearson Publishing)

Also useful:

Greenspan's Basic and Clinical Endocrinology: Eighth Edition (Lange Medical Books)

The Endocrine System at a Glance by Ben Greenstein, Diana Wood (Wiley-Blackwell)

Evaluation Scheme:

Test	Material	Date	% of Final Grade
Assignment 1	Journal paper presentation – 20 min (in groups)	Weeks 3-11	15
Participation	Evaluated as preparation and questions/input during student presentations	Throughout course	10
Term paper	2500 - 3000 words on approved topic related to Molecular Endocrinology	Dec 3 rd , 5:00pm	30
Term paper presentation	Scientific- Style Poster Presentation Session Location to be determined	Nov. 27 ^h	10
Final Exam* (3 hrs)	All lecture material with questions based on familiarity with all course material	TBA	35

* **Note:** final exam may be held on a Friday night or Saturday morning

Marks for each evaluation and exam will be posted on the intranet website for the course. It is each student's responsibility to check her/his grade and to resolve any problems within 1 week of posting.

Deadlines for Assignments are firm. 3% will be deducted for late assignments plus an additional 1% for each day late. Only valid medical reasons, with proper UTSC documentation, will be accepted.

Final Exam: Students who miss the final exam must petition the registrar for permission to write a makeup exam. A makeup exam will be held at the end of the summer examination period (see UTSC calendar; <http://www.utsc.utoronto.ca/~registrar>).

**BIOD27H3S Molecular Endocrinology
Winter 2011 Lecture Topics and Class Schedule¹**

Date	Topic
September 11th	Introduction to endocrinology and hormone classes, endocrine systems, homeostatic regulation, as well as methodologies for endocrine research.
September 18th	Hormonal control of Calcium Homeostasis Example journal presentation Overview of Literature Review and “How to write a research paper” -- Topic for Term paper due
September 25th	GI hormones Journal presentations 1 & 2
October 2nd	Growth Factors, Receptors and Signal Transduction Journal presentations 3 & 4 -- Bibliography due
October 9th	Growth Factors, Receptors and Signal Transduction Journal presentations 5 & 6
October 16th	Pituitary structure and hormones; Hypothalamic structure and hormones; and Neurohormones Journal presentations 7 & 8 -- Outline of term paper due
October 23rd	Nuclear Receptors; Hypothalamic – Pituitary – Thyroid Axis ; Thyroid Hormones Journal presentations 9 & 10
October 30th	Hypothalamic – Pituitary – Adrenal axis; Adrenal Hormones Journal presentations 11 & 12
November 6th	Growth Hormones Journal presentations 13 & 14 -- Rough draft of term paper due
November 13th	Endocrine regulation of sexual development Review of Term paper presentation format Journal presentations 15 & 16
November 20th	Endocrine regulation of sexual development Journal presentations 17 & 18
November 27th	Term paper presentations (poster session)
December 3rd	Term paper due by 5pm in SW525 or as PDF by email
December	Final Exam – All lecture materials (not student paper presentations)