

BIOD27
Molecular Endocrinology
Winter 2014

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Office Hours (by appointment): Tuesdays 5pm - 6pm
Thursdays 4pm – 5pm

Appointments outside these hours can be arranged by e-mail. **Please come prepared.**

Lectures - Section 30: Tuesdays 6pm - 9pm
Section 31: Thursdays 5pm - 8pm

Recommended Text (in bookstore):
Endocrine Physiology, 3rd Ed. Patricia E. Molina. 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: 8th Edition (Lange Medical Books)
The Endocrine System at a Glance by B. Greenstein, D. Wood (Wiley-Blackwell)

Evaluation Scheme:

Evaluation	Material	Date	% of Final Grade
Assignment 1	Journal paper presentation – 20 min (in pairs)	Jan 24 – Mar 27	15
Participation	Evaluated as preparation and questions/input during student presentations	Throughout course	10
Term paper	2500 - 3000 words on approved topic	April 7 th , 5:00pm	30
Term paper presentation	Poster Presentation	April 1 st and 3 rd	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.utoronto.ca/~registrar>).

**BIOD27H Molecular Endocrinology
Winter 2014 Lecture Topics and Class Schedule**

Date	Topic
Jan 7 th & 9 th	Introduction to endocrinology and hormone classes, endocrine systems, homeostatic regulation, as well as methodologies for endocrine research.
Jan 14 th & 16 th	Hormonal control of Calcium Homeostasis Example journal presentation Overview of Literature Review and "How to write a research paper" -- Topic for Term paper due
Jan 21 st & 23 rd	GI hormones Journal presentations 1 & 2
Jan 28 th & 30 th	Growth Factors, Receptors and Signal Transduction Journal presentations 3 & 4 --Bibliography due
Feb 4 th * 6 th	Growth Factors, Receptors and Signal Transduction Journal presentations 5 & 6
Feb 11 th & 13 th	Pituitary structure and hormones; Hypothalamic structure and hormones Neurohormones Journal presentations 7 & 8 --Outline of term paper due
Feb 17 th – 21 st	Reading Week – no class
Feb 25 th & 27 th	Nuclear Receptors; Hypothalamic – Pituitary – Thyroid Axis ; Thyroid Hormones Journal presentations 9 & 10
Mar 4 th & 6 th	Hypothalamic – Pituitary – Adrenal axis; Adrenal Hormones Journal presentations 11 & 12
Mar 11 th & 13 th	Growth Hormones Journal presentations 13 & 14 --Rough draft of term paper due
Mar 18 th & 20 th	Endocrine regulation of sexual development Review of Term paper presentation format Journal presentations 15 & 16
Mar 25 th & 27 th	Endocrine regulation of sexual development Journal presentations 17 & 18
April 1 st & 3 rd	Term paper presentations (poster session)
April 7 th	Term paper due by 5pm
TBA	Final Exam – All lecture and assigned material