University of Oregon
Department of Biology

Course: BI 358 Investigations in Medical Physiology, CRN 21377, 04 cr, Lecture: 8:30-9:50 TR 110 Willamette (WIL) + Discussion: CRN 21378 10:00-11:50 T or CRN 21379 12:00-13:50 T or CRN 27223 14:00-15:50 T, 129 Huestis (HUE), Winter 2011.

Instructor: V. Pat Lombardi, 116 HUE, 541-346-4536, lombardi@uoregon.edu

Office Hr: M, 10:00-11:00 and by appointment.

Discussion Coordinators: Jana Prikryl; 125 HUE, 541-346-8700, jprikryl@uoregon.edu
Julia Ridgeway, 241 Columbia, 541-346-5003, ridgeway@uoregon.edu

Office Hr: TBA


BL 358, Investigations in Medical Physiology Discussion/Lecture Notebook (DLN), 2011. [Required]


See Course Reserve List http://libweb.uoregon.edu/ for additional excellent references. NB: Click on green tab Course Reserves, then type in Lombardi as Instructor.

Tentative Outline:


Jan 11 (T) Discussion 3: Quiz 1-covers Lectures 1, 2 & 3. Peer Review of Outlines. 4 Copies of Brief Outline Due + prior to Discussion, e-mail copy of outline to lombardi@uoregon.edu. Brief topic explanations within small groups. Peer review of outlines + feedback by e-mail. Readings: DLN pp 3-1, 3-2.


Jan 18 (T) Discussion 4: NB: Prior to this Discussion, please complete p 4-8 by recording at least one full day of your diet so that you have personal data to conduct the computer nutritional analyses. Readings: DLN pp 4-1 thru 4-18.


Feb 1 (T) Discussion 6: Quiz 3-covers Lectures 7 & 9. Peer Review of Papers. 4 Copies of Paper Draft Due to Group Members + prior to Discussion, e-mail copy of Paper Draft to either ridgeway@uoregon.edu or jprikryl@uoregon.edu based on Discussion section. Small Group Discussions + Feedback on papers by way of follow-up e-mails. Reading: DLN p 6-1.


Feb 8 (T) Lecture 11: Insulin, Glucagon & Diabetes Mellitus; Thyroid Metabolic Hormones; Adrenocortical Hormones. Readings: G&H ch 78 pp 939-54; ch 76 pp 907-19; ch 77 pp 921-37.

Feb 8 (T) Discussion 7: Class Presentations I.


Feb 17 (R) Lecture 14: Guest Lecture Series-Clinical: Ron Cirullo, MD, PhD, Internal Medicine, Endocrinology, Diabetes Mellitus & Thyroid Disorders, PeaceHealth Medical, Eugene, OR. Endocrinology & Clinical Case Presentations. Readings: DLN pp F-2 thru F-20.


Feb 22 (T) Discussion 9: Class Presentations II.


Mar 1 (T)  Discussion 10: Class Presentations III.


Mar 8 (T)  Lecture 19: Guest Lecture Series-Clinical: Annette Chang Sims, MD; Drs. Fine, Hoffman, Packer & Sims, Ophthalmologists, Eugene, OR. *Clinical Evaluation & Treatment of Cataracts & Glaucoma.* **Readings/Handout:** TBA.

Mar 8 (T)  Discussion 11: Vision Lab with Eye Dissections. **Readings:** DLN pp 11-1 thru 11-3.

Mar 10 (R)  Lecture 20: **Quiz 6** - covers Lectures 16, 17, 18, 19 (110 WIL). Break. Thoughts on applying to graduate schools in medicine & allied health. Final comments by Pat.

Mar 15 (T)  **Final Research Paper Due** no later than 5:00 pm in Pat Lombardi’s box in Main Biology Office (77 KLA).

**Grading:**

- Attendance & Participation, Feedback on Guest Lecturers (25%)
- Quizzes (25%)
- Class Presentation (25%)
- Research Paper (25%)