Course: BI 358 Investigations in Medical Physiology, CRN 21239, 04 cr, Lecture: 8:30-9:50 TR 110 Willamette (WIL) + Discussion: CRN 21240 10:00-11:50 T or CRN 21241 12:00-13:50 T or CRN 21242 14:00-15:50 T, 129 Huestis (HUE), Winter 2020. Website: http://blogs.uoregon.edu/bi358/winter-2020/

Instructor: V. Pat Lombardi, 65A KLA, 541-346-6055, lombardi@uoregon.edu
Office Hr: M, 11:00 – 12:00, R 10:00 – 11:00 and by appointment.

Discussion Coordinators, Office Hr: Isabella Salinas, TBA, isalinas@uoregon.edu
Jeremea Songco, TBA, jsongco@uoregon.edu


BI 358, Investigations in Medical Physiology Discussion-Lecture Notebook (DLN), 2020. [Required]


See Course Reserve List http://libweb.uoregon.edu/course-reserves for additional excellent references.

NB: To the left of Search Course Reserves, type in Lombardi, then login with your uoregon ID and password.

Tentative Outline:


Jan 14 (T) Discussion 3: Quiz 1 covers Lectures 1, 2 & 3 & Discussion 2. Peer Review of Outlines. 4 hard 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 to peers. Readings: DLN pp 3-1, 3-2.


Jan 21 (T) Discussion 4: Nutrition & Disease Prevention. **NB: Prior to lab, please record your diet for at least two full days** so that you have personal data to conduct computer nutritional analyses. **Readings:** DLN pp 4-1 thru 4-22.


Feb 4 (T) Lecture 9: Guest Lecture Series-Clinical: Richard C. Padgett, MD, Cardiology, Oregon Heart & Vascular Institute, Eugene, OR. **Clinical Cardiology, Case Studies & Recent Advances.** DLN pp E-1 thru E-8.

Feb 4 (T) Discussion 6: **Quiz 3**—Covers Lectures 6, 7, 8 & 9 & Discussions 5 & 6 (Immunology & Cardiovascular Physiology). Heart Model Anatomy & Heart Dissection Lab. **Readings:** DLN p 6-1 and 6-2.

Feb 6 (R) Lecture 10: I. Introduction to Endocrinology, Pituitary Hormones & Control by the Hypothalamus. II. Peripheral Endocrine Organs. **Readings:** G&H ch 75 & 76 pp 925-50; ch 77 & 78 highlights pp 951-82.

Feb 11 (T) Lecture 11: Reproductive Physiology: I. Female Reproductive Anatomy & Physiology: Ovarian & Menstrual Cycle, Birth Control Techniques. II. Male Reproductive Anatomy & Physiology. **Readings:** G&H ch 82 pp 1037-54; ch 83 pp 1064-9; ch 3 pp 41-3; ch 81 pp 1021-35.

Feb 11 (T) Discussion 7: 4 hard copies of Paper Draft due & e-mail copy to Group Members + prior to Discussion, e-mail copy of Paper Draft to either isalinas@uoregon.edu or jsongca@uoregon.edu based on Discussion section. **Feedback Priority for Class I Presenters.** Peer Review of Papers. **Additional Assignment:** Case histories to prepare for Dr. Garrett. **Readings:** DLN pp 7-1 thru 7-3.


Feb 18 (T) Lecture 13: Guest Lecture Series-Clinical: Audrey P. Garrett, MD, MPH, Willamette Valley Cancer Institute & Research Center, Eugene, OR & Oregon Health & Science University, Portland, OR. Human Papillomavirus (HPV), Cancer & Gynecologic Care. **Readings:** DLN pp F-1 thru F-16.

Feb 18 (T) Discussion 8: Class Presentations I.

Feb 20 (R) Lecture 14: Guest Lecture Series-Clinical: Paul F. Kaplan, MD, Oregon Health & Science University, Portland, OR & University Health Center & Department of Human Physiology, Eugene, OR. **Polycystic Ovary Disease: A Common Endocrine Disorder in Women.** **Readings:** DLN pp G-1 thru G-10.

Feb 25 (T) Lecture 15: Guest Lecture Series - Clinical: Jenna M. Godfrey, MD, MSPH, Slocum Center for Orthopedics & Sports Medicine, Eugene, OR. **Congenital Hand Differences in the Media.** **Readings:** DLN p H-1 thru H-8.

Feb 25 (T) Discussion 9: Class Presentations II.


Mar 3 (T) Discussion 10: Class Presentations III.


Mar 17 (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 (20%)
Quizzes (40%)
Class Presentation (20%)
Research Paper (20%)