Course: BI 121, Introduction to Human Physiology, 04 cr, CRN 10942, 8:30-9:50 TR (100 WIL) + R Lab (130 HUE): 10:00-10:50 (CRN 10943) or 11:00-11:50 (CRN 10944) or 12:00-12:50 (CRN 10945) or 13:00-13:50 (CRN 10946) or 14:00-14:50 (CRN 10947) or 15:00-15:50 (CRN 10948) or 16:00-16:50 (CRN 10949) or 17:00-17:50 (CRN 10950), Fall 2019.

Website:  http://blogs.uoregon.edu/bi121/fall-2019/
Prior Websites:  http://blogs.uoregon.edu/bi121/summer-2019/ (past summer, most recent & up-to-date) http://blogs.uoregon.edu/bi121/fall-2018/ (last fall, most synchronous)

Lecturer:  V. Pat Lombardi; 65A Klamath (KLA); office hr: 10:00-11:00 T + by appointment; phone: 541-346-6055 (Biology Advising Center office/message):  lombardi@uoregon.edu

Lab Preparator:  Katie Pérez; kperez@uoregon.edu

Lab Instructors:  Heather Foote; 130 Huestis, 16:30-17:30 W; hfote@uoregon.edu

Isabella Salinas; 130 Huestis, 13:00-14:00 M; isalinas@uoregon.edu

Tim Wheeler; 130 HUE, 9:00-10:00 W; twheele3@uoregon.edu

Required Text & Lab Manual (available @ U of O Bookstore/Duckstore online  https://www.uoduckstore.com/):


Supplemental Texts:
On-reserve in Science Library (90-min reserve period). Supplemental readings listed in [ ] below:


+ See supplemental reserved texts/readings in the Allan Price Science Commons & Research Library and listed under UO Library Search:  https://library.uoregon.edu/course-reserves.  Click on Search Course Reserves, then Continue, then type in BI 121 and the course reserve list will appear.

**Tentative Outline:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture</th>
<th>Topic</th>
<th>Readings</th>
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<tbody>
<tr>
<td>Oct 1 (T)</td>
<td>Lecture 1</td>
<td>I. Introduction (outline, texts, labs, grading, expectations...); Introduction to Human Physiology; Body Levels of Organization. II. Homeostasis. <strong>Readings:</strong> Introduction, Study Skills, pp v-viii; An Introduction to Structure and Function, Module 1, pp 1-8 (DC). [ch 1 vignette p 0; ch 1, pp 1-10 (LS)] (100 WIL).</td>
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<td>Oct 3 (R)</td>
<td>Lecture 2</td>
<td>Connections: Homeostasis. Negative vs. Positive Feedback; Homeostatic Balance Examples; Simplified Homeostatic Model. II. Cell Anatomy, Physiology &amp; Compartmentalization: Size; Basic Survival Skills; Begin Organelles. <strong>Readings:</strong> [ch 1, pp 11-17; ch 2, pp 18-26 (LS)] (100 WIL).</td>
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<tr>
<td>Oct 3 (R)</td>
<td>Lab 1</td>
<td>Histology, Microscopic Study of Tissues. <strong>Readings:</strong> pp i-iii, 1-1 to 1-4 (LM) (130 HUE).</td>
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<tr>
<td>Oct 10 (R)</td>
<td>Lab 2</td>
<td>Introduction to Anatomy &amp; Physiology. <strong>Readings:</strong> pp 2-1 to 2-10 (LM) (130 HUE).</td>
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<tr>
<td>Oct 17 (R)</td>
<td>Lecture 6</td>
<td>I. Enzymatic Digestion, Absorption &amp; Defecation. <strong>Readings:</strong> [ch 15, pp 445-59; 463-77 (LS)]</td>
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</table>
Oct 17 (R)  Lab 3: Nutritional Analyses. NB: Before the lab, please record your diet on p 3-7 (LM). Our goal is to use the DietController software program on computers in the lab to evaluate your diet and to make recommendations in order to enhance your nutrition awareness and lower your risk of disease. Readings: pp 3-1 to 3-20 (LM). (130 HUE).


Oct 27 (S)  Summary & Review Session for Exam I, 6-7:30 pm (100 WIL). Readings: Review slides on our website @ http://blogs.uoregon.edu/bi121/fall-2019/.

Oct 29 (T)  Exam I (100 WIL + TBA alternative exam sites).


Oct 31 (R)  No Lab. Break for Exam I Week! Study!! Take a break!! 😊


Nov 7 (R)  Lab 5: Blood Chemistry: Blood Glucose & Blood Typing. Readings: Please reread pp 5-1 to 5-6 (LM) prior to the lab. Thanks sincerely! (130 HUE).


Nov 14 (R)  Lecture 13 (Lucky!!). Mystery Guest! :) I. Action Potentials, Synapses & the Neuromuscular Junction. Readings: [ch 7, pp 186-93; ch 4, pp 70-88 (LS)]

Nov 14 (R)  No Lab. Study for Exam II!


Nov 21 (R)  Lecture 15. I. Molecular Basis of Skeletal Muscle Contraction. II. Metabolism & Fiber Types. III. Skeletal Muscle Adaptations & Exercise Physiology. Readings: ch 8, pp 198-204; 210-4 (LS)]


Nov 28 (R)  Thanksgiving Holiday. No lecture or laboratory. Be safe & have a Happy Turkey Day!! 😊

Dec 3 (T)  Lecture 17. I. Gas Exchange & Transport. II. Physiology of Cigarette Smoking. Readings: [ch 12 pp 362-73; ch 11 p 340 (LS)]

Dec 5 (R)  Lecture 18. Summary & Review Session for Exam II (100 WIL). Readings: Review slides on our website @ http://blogs.uoregon.edu/bi121/fall-2019/ No laboratory.

Dec 13 (F)  Exam II, 8:00-9:50 NB: 8:00 start time! (100 WIL + TBA alternative exam sites).

Grading: Lecture* (20%) & Laboratory *(20%) Attendance & Participation, Exam I (30%), Exam II (30%).

*Required attendance & participation are essential components of your grade! 😊...& of your life! We ♥ Human Physiology!!