

**BIO. 212: ANATOMY & PHYSIOLOGY II**  
**LECTURE TOPICS**

SPRING 2012

CRN: 1061 Monday/Wednesday Evenings

Turn sheet over for approximate Lecture dates.

- |                                 |                           |
|---------------------------------|---------------------------|
| Ch. 14 Blood                    | Ch. 19 Respiratory system |
| Ch. 15 Cardiovascular System    | Ch. 20 Urinary system     |
| Ch. 16 Lymphatic/Immune systems | Ch. 22 Reproduction       |
| Ch. 17 Digestion                | Ch. 13 Endocrine system   |

**MATERIALS FOR LECTURE AND LAB:** (approved alternate textbooks allowed)  
 A&P Students from other instructors (BIO 211) may use their previous books.

Shier, D., Butler, J. and Lewis, R., *Hole's Human Anatomy and Physiology* (10<sup>th</sup> edition). WCB/McGraw Hill, Boston, MA, 2003. (ISBN = 0-07-243890-8)

Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology* (10<sup>th</sup> edition). WCB/McGraw Hill, Boston, MA, 2002. (ISBN = 0-07-243891-6)

Morton, D. and Perry, J., *Photo Atlas for Anatomy and Physiology*. Wadsworth Publishing Company, New York, NY, 1998. (ISBN = 0-534-51716-1)

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**Lectures:** Mon. 05:30 - 06:20 E-440  
 Wed. 05:30 - 07:20 E-440

**Labs:** Mon. 06:35 - 09:20 E-440/438

**OFFICE HOURS:**

**Regular:** 3:30 - 4:45 PM: Wednesdays E-427  
 7:20 - 8:10 PM: Wednesdays E427 or E-440  
**Appt +:** 4:40 - 5:30 PM: Tuesdays E-427  
 2:25 - 4:30 PM: Thursdays E427 or E-440  
**A.C.E.** 3:15 - 4:30 PM: Mondays E-500

**GRADING** Calculated on a percentage basis  
 Subject to modification.

**LECTURE:** 3 Lecture Exams 100 points each  
 300 points

**LAB:** Lab Tests 1, 3 & 4 50 points each  
 150 points  
 Lab Test 2 100 points

**FINAL EXAM:** See Box to the right 200 points

**EXAMINATION DATES:**

- |                        |  |
|------------------------|--|
| <b>FEB 13</b>          | <b><u>LAB TEST 01</u></b><br>(Labs 01 - 03)          |
| <b>FEB 22</b>          | <b>LECTURE EXAM 01</b><br>(Chapters 14, 15 and 16)   |
| <b>MAR 19</b>          | <b><u>LAB TEST 02</u></b><br>(Labs 01- 06)           |
| <b>APR 02</b>          | <b>LECTURE EXAM 02</b><br>(Chapters 17 & 19)         |
| <b>APR 09</b>          | <b><u>LAB TEST 03</u></b><br>(Labs 08 - 11)          |
| <b>APR 23</b>          | <b><u>LECTURE EXAM 03</u></b><br>(Chapters 20 & 22a) |
| <b>APR 30</b>          | <b><u>LAB TEST 04</u></b><br>(Labs (06 - 11)         |
| <b>MAY 14</b>          | <b>FINAL EXAM</b>                                    |
| <b>MONDAY</b>          |  |
| <b>5:30 - 8:00 PM</b>  | 50% Female Reproduction                              |
| <b>tentative- TBA.</b> | Endocrine System                                     |
|                        | 50% <u>Cumulative:</u>                               |
|                        | All Lectures + Labs TBA                              |

**BIO. 212: ANATOMY & PHYSIOLOGY II**  
**LABORATORY SCHEDULE**

SPRING 2012

CRN: 1061 Monday/Wednesday Evenings

**M/W LECTURES**  
**MONDAY LAB**

Posted: January 13, 2012  
 Subject to Modification

<u>LAB:</u>	<u>DATE:</u>	<u>REFERENCE:</u>	<u>TOPIC(S):</u>
01.	January 23	lawrencegaltman.com Exercise 38 (p. 309) Discussion	Intro to Lab Blood: Histology/functions Blood: Differential White Blood Cell Count
02.	January 30	Exercise 39 (p. 317)  Exercise 40 (p. 325)	Blood: Total White/Red Blood Cell Counts Hematocrit & Hemoglobin Determination Blood: Typing
03.	February 06	Exercise 41 (p. 331)	Cardiovascular: Structure of the Heart
04.	February 13	<b><u>LAB TEST 01</u></b> Exercise 44 (p. 355) Exercise 42 (p. 341) Exercise 45 (p. 363)	Labs 01 - 03 (50 points) see first column #s Cardiovascular: Blood Vessels (histology) Cardiovascular: Electrocardiography Cardiovascular: Pulse and Blood Pressure
****	February 20	Holiday	Presidents' Day
05.	February 27	Exercise 46 (p. 367)	Cardiovascular: <u>Start cat</u> + Human A/V (ASSIGN)
06.	March 05	Exercise 47 (p. 381)	Cardiovascular: Blood Vessels, <i>Cat Dissection</i>
****	March 12-18	Spring Break	No class; prepare for Lab Test 2 and Lab 07.
07.	March 19	<b><u>LAB TEST 02</u></b> Exercise 54 (p. 443)	Labs 01 - 06 (100 points) see first column #s Respiratory System: Volumes and Capacities
08.	March 26	Exercise 52 (p. 429) Exercise 53 (p. 437) Exercise 49 (p. 401) Exercise 50 (p. 417)	Respiratory System: Organs Respiratory System: <i>Cat Dissection</i> Digestive System: Organs Digestive System: <i>Cat Dissection</i>
09.	April 02	Exercise 56 (p. 459)	Structure of the Kidney: Models + Transplant
10.	April 09	<b><u>LAB TEST 03</u></b> Exercise 58 (p. 473) Exercise 61 (p. 493)	Labs 07 - 09 (50 points) see first column #s Cat: Urinary System Cat: Reproductive System (male & female)
11.	April 16	Critical Thinking	Video and exercises on Analysis and Writing
12.	April 23	Snow Day	Allowance for a possible Field Trip
13.	April 30	<b><u>LAB TEST 04</u></b>	(50 points) <i>Second Chance:</i> Cat Blood Vessels, all Respiratory, Kidney/Urinary and Digestion

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**LECTURE TOPICS**  
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**Mon/Wed Evenings**

JAN 23	MON	Ch. 14	Course Intro + Blood
JAN 25	WED	Ch. 14	Blood
JAN 30	MON	Ch. 14	Blood
FEB 01	WED	Ch. 15	Cardiovascular System
FEB 06	MON	Ch. 15	Cardiovascular System
FEB 08	WED	Ch. 15	Cardiovascular System
FEB 13	MON	Ch. 16	Lymphatic/Immune systems
FEB 15	WED	Ch. 16	Lymphatic/Immune systems
FEB 20	MON	-----	Holiday; School closed.
FEB 22	WED	-----	<b>LECTURE EXAM 01</b> ; Chapters 14, 15 and 16
FEB 27	MON	Ch. 19	Respiratory
FEB 29	WED	Ch. 19	Respiratory
MAR 05	MON	Ch. 19	Respiratory
MAR 07	WED	Ch. 17	Digestion
<b>SPRING BREAK</b> ----- <i>No classes; March 12 - 18</i>			
MAR 19	MON	Ch. 17	Digestion
MAR 21	WED	Ch. 17	Digestion
MAR 26	MON	Ch. 17	Digestion
MAR 28	WED	Ch. 20	Urinary system
APR 02	MON	-----	<b>LECTURE EXAM 02</b> ; Chapters 17 & 19
		Ch. 20	Urinary system
APR 04	WED	Ch. 22a	Urinary system
APR 09	MON	Ch. 22a	Reproduction (male)
APR 11	WED	Ch. 22a	Reproduction (male)
APR 16	MON	Ch. 22b	Reproduction (female)
APR 18	WED	Ch. 22b	Reproduction (female)
APR 23	MON	-----	<b>LECTURE EXAM 03</b> ; Chapters 20 & 22a only
APR 25	WED	Ch. 13	Endocrine System <i>Last day for student - initiated withdrawals</i>
APR 30	MON	Ch. 13	Endocrine System
MAY 02	WED	Ch. 13	Endocrine System
MAY 07	MON	Ch. 13	Endocrine System and/or Review
MAY 14	MON	<b>Final Exam</b>	<b>50% Cumulative: All Lectures + Labs TBA</b>
(tentative)			<b>50% Female Reproduction and Endocrine;</b> Chapters 13 & 22b

**M/W LECTURES**  
**MONDAY LAB**

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