

BIO. 212: ANATOMY & PHYSIOLOGY II
LECTURE TOPICS

SPRING 2012

CRN: 1242 Tuesday/Thursday Afternoons

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* (10th edition). WCB/McGraw Hill, Boston, MA, 2003. (ISBN = 0-07-243890-8)

Martin, Terry R., *Laboratory Manual for Hole's Human Anatomy and Physiology* (10th 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: Tue. 12:45 - 01:35 E-440
Thu. 12:45 - 02:25 E-440

Labs: Tue. 01:50 - 04:35 E-440/438

OFFICE HOURS:

Regular: 4:40 – 5:30 PM: Tuesdays E-427
2:25 – 4:30 PM: Thursdays E427 or E-440
3:30 - 4:45 PM: Wednesdays E-427
Appt ++: 7:20 – 8:10 PM: Wednesdays 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: Cumulative Test 200 points

EXAMINATION DATES:

- | | |
|--------|--|
| FEB 14 | LAB TEST 01
(Labs 01 - 03) |
| FEB 23 | LECTURE EXAM 01
(Chapters 14, 15 and 16) |
| MAR 20 | LAB TEST 02
(Labs 01- 06) |
| APR 03 | LECTURE EXAM 02
(Chapters 17 & 19) |
| APR 10 | LAB TEST 03
(Labs 08 - 11) |
| APR 24 | LECTURE EXAM 03
(Chapters 20 & 22a) |
| MAY 01 | LAB TEST 04
(Labs 06 - 13) |

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|-----------------------|-------------------------|
| MAY 11 | FINAL EXAM |
| MONDAY | |
| 5:30 - 8:00 PM | 50% Female Reproduction |
| tentative- TBA. | Endocrine System |
| | 50% <u>Cumulative:</u> |
| | All Lectures + Labs TBA |

BIO. 212: ANATOMY & PHYSIOLOGY II
LABORATORY SCHEDULE

SPRING 2012

CRN: 1242 Tuesday/Thursday Afternoons

Tu/Th LECTURES
TUESDAY LAB

Posted: January 13, 2012
Subject to Modification

<u>LAB:</u>	<u>DATE:</u>	<u>REFERENCE:</u>	<u>TOPIC(S):</u>
01.	January 24	lawrencegaltman.com Exercise 38 (p. 309) Discussion	Intro to Lab Blood: Histology/functions Blood: Differential White Blood Cell Count
02.	January 31	Exercise 39 (p. 317) Exercise 40 (p. 325)	Blood: Total White/Red Blood Cell Counts Hematocrit & Hemoglobin Determination Blood: Typing
03.	February 07	Exercise 41 (p. 331)	Cardiovascular: Structure of the Heart
04.	February 14	LAB TEST 01 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 21	Videos	Heart Transplant and Human Cadaver
05.	February 28	Exercise 46 (p. 367)	Cardiovascular: <u>Start cat</u> + Human A/V (ASSIGN)
06.	March 06	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 20	LAB TEST 02 Exercise 54 (p. 443)	Labs 01 - 06 (100 points) see first column #s Respiratory System: Volumes and Capacities
08.	March 27	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 03	Exercise 56 (p. 459)	Structure of the Kidney: Models + Transplant
10.	April 10	LAB TEST 03 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 17	Critical Thinking	TBA: Video, Analysis and Writing
12.	April 24	Snow Day	Allowance for a possible Field Trip
13.	May 01	LAB TEST 04	(50 points) <i>Second Chance:</i> Cat Blood Vessels, all Respiratory, Kidney/Urinary and Digestion

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Tuesday/Thursday Afternoons

JAN 24	TUES	Ch. 14	Course Intro + Blood
JAN 26	THUR	Ch. 14	Blood
JAN 31	TUES	Ch. 14	Blood
FEB 02	THUR	Ch. 15	Cardiovascular System
FEB 07	TUES	Ch. 15	Cardiovascular System
FEB 09	THUR	Ch. 15	Cardiovascular System
FEB 14	TUES	Ch. 16	Lymphatic/Immune systems
FEB 16	THUR	Ch. 16	Lymphatic/Immune systems
FEB 21	TUES	-----	Holiday; School closed.
FEB 23	THUR	-----	LECTURE EXAM 01 ; Chapters 14, 15 and 16
FEB 28	TUES	Ch. 19	Respiratory
MAR 01	THUR	Ch. 19	Respiratory
MAR 06	TUES	Ch. 19	Respiratory
MAR 08	THUR	Ch. 17	Digestion
<i>SPRING BREAK</i>			<i>----- No classes; March 12 - 18</i>
MAR 20	TUES	Ch. 17	Digestion
MAR 22	THUR	Ch. 17	Digestion
MAR 27	TUES	Ch. 17	Digestion
MAR 29	THUR	Ch. 20	Urinary system
APR 03	TUES	-----	LECTURE EXAM 02 ; Chapters 17 & 19
		Ch. 20	Urinary system
APR 05	THUR	Ch. 22a	Urinary system
APR 10	TUES	Ch. 22a	Reproduction (male)
APR 12	THUR	Ch. 22a	Reproduction (male)
APR 17	TUES	Ch. 22b	Reproduction (female)
APR 19	THUR	Ch. 22b	Reproduction (female)
APR 24	TUES	-----	LECTURE EXAM 03 ; Chapters 20 & 22a only <i>APRIL 25: Last day for <u>student</u> - <u>initiated</u> withdrawals</i>
APR 26	THUR	Ch. 13	Endocrine System
MAY 01	TUES	Ch. 13	Endocrine System
MAY 03	THUR	Ch. 13	Endocrine System
MAY 08	TUES	Ch. 13	Endocrine System and/or Review
MAY 14	MON	Final Exam	50% Cumulative: All Lectures + Labs TBA
(tentative)			50% Female Reproduction and Endocrine; Chapters 13 & 22b

**Tu/Th LECTURES
TUESDAY LAB**

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