

BIO. 212: ANATOMY & PHYSIOLOGY II
LECTURE TOPICS

SPRING 2010

CRN: 1067 Tuesday/Thursday 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*)

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: E-440 Tue. 05:30 - 6:20
 E-440 Thu. 05:30 - 7:10

Labs: E-440/438 Tuesdays

OFFICE HOURS:
 Regular: 3:30 – 5:10 PM: Mon or Wed TBA weekly
 2:10 – 4:15 PM: Thursdays E427 or E-440
 Appt +: 7:10 – 8:25 PM: Thursdays E427 or E-440

GRADING Calculated on a percentage basis
 Subject to modification.

LECTURE: 3 Lecture Exams @ 100 points
 300 points

LAB: Lab Tests 1 & 3 @ 50 points
 100 points
 Lab Tests 2 & 4 @ 100 points
 200 points

FINAL EXAM: 1 Cumulative Final Exam
 200 points

EXAMINATION DATES:

FEB 16 **LAB TEST 01**
 (Labs 01 - 03)

FEB 23 **LECTURE EXAM 01**
 (Chapters 14, 15 and 16)

MAR 09 **LAB TEST 02**
 (Labs 01- 06)

MAR 30 **LECTURE EXAM 02**
 (Chapters 17 & 19)

APR 20 **LAB TEST 03**
 (Labs 08 - 11)

APR 27 **LECTURE EXAM 03**
 (Chapters 20 & 22a)

MAY 04 **LAB TEST 04**
 (Labs 06 - 13)

MAY 20 **FINAL EXAM**
 Thurs. 5:30 PM 50% Female Reproduction
 Endocrine System
 50% **Cumulative:**
 All Lectures + Labs TBA

BIO. 212: ANATOMY & PHYSIOLOGY II
LABORATORY SCHEDULE

SPRING 2010

CRN: 1067 Tuesday/Thursday Evenings

Tu/Th LECTURES
TUESDAY LAB

Posted: January 11, 2010

| <u>LAB:</u> | <u>DATE:</u> | <u>REFERENCE:</u> | <u>TOPIC(S):</u> |
|-------------|--------------|--|--|
| 01. | January 26 | lawrencegaltman.com Exercise 38 (p. 309) Discussion | Intro to Lab Blood: Histology/functions Blood: Differential White Blood Cell Count |
| 02. | February 02 | Exercise 39 (p. 317) Exercise 40 (p. 325) | Blood: Total White/Red Blood Cell Counts Blood: Hemoglobin Determination Blood: Hematocrit Blood: Typing |
| 03. | February 09 | Exercise 41 (p. 331) | Cardiovascular: Structure of the Heart |
| 04. | February 16 | 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 |
| 05. | February 23 | Exercise 46 (p. 367) | Cardiovascular: <u>Start cat</u> + Human A/V (ASSIGN) |
| 06. | March 02 | Exercise 47 (p. 381) | Cardiovascular: Blood Vessels, <i>Cat Dissection</i> |
| 07. | March 09 | LAB TEST 02 | Labs 01 - 06 (100 points) see first column #s |
| ---- | March 16 | Spring Break | No class; prepare for Lab 08. |
| 08. | March 23 | Exercise 52 (p. 429) Exercise 53 (p. 437) | Respiratory System: Organs Respiratory System: <i>Cat Dissection</i> |
| 09. | March 30 | Exercise 54 (p. 443) | Respiratory System: Volumes and Capacities |
| 10. | April 06 | Exercise 49 (p. 401) Exercise 50 (p. 417) | Digestive System: Organs Digestive System: <i>Cat Dissection</i> |
| 11. | April 13 | Exercise 56 (p. 459) | Structure of the Kidney: <i>Cat Dissection</i> + Models |
| 12. | April 20 | LAB TEST 03 Exercise 58 (p. 473) Exercise 61 (p. 493) | Labs 08 - 11 (50 points) see first column #s Urinary System: <i>Cat Dissection</i> Reproductive System (male): <i>Cat Dissection</i> |
| 13. | April 27 | Exercise 61 (p. 493) | Reproductive System (female): <i>Cat Dissection</i> |
| 14. | May 04 | LAB TEST 04 | Labs 06 - 13 (semi - cumulative; 100 points) |

-----May 11 is an Open/Snow/Yale Day Recapture-----

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LECTURE TOPICS
SPRING 2010

CRN:
1067 Evenings

| | | | |
|---------------------|------|-------------------|---|
| JAN 21 | THUR | Ch. 14 | Course Intro + Blood |
| JAN 26 | TUES | Ch. 14 | Blood |
| JAN 28 | THUR | Ch. 14 | Blood |
| FEB 02 | TUES | Ch. 15 | Cardiovascular System |
| FEB 04 | THUR | Ch. 15 | Cardiovascular System |
| FEB 09 | TUES | Ch. 15 | Cardiovascular System |
| FEB 11 | THUR | Ch. 16 | Lymphatic/Immune systems |
| FEB 16 | TUES | Ch. 16 | Lymphatic/Immune systems |
| FEB 18 | THUR | ----- | Holiday; School closed. |
| FEB 23 | TUES | ----- | LECTURE EXAM 01 ; Chapters 14, 15 and 16 |
| FEB 25 | THUR | Ch. 19 | Respiratory |
| MAR 02 | TUES | Ch. 19 | Respiratory |
| MAR 04 | THUR | Ch. 19 | Respiratory |
| MAR 09 | TUES | Ch. 17 | Digestion |
| MAR 11 | THUR | Ch. 17 | Digestion (extended class rebate on March 11) |
| SPRING BREAK | | | ----- <i>No classes; March 16 and 18</i> |
| MAR 23 | TUES | Ch. 17 | Digestion |
| MAR 25 | THUR | Ch. 17 | Digestion |
| MAR 30 | TUES | ----- | LECTURE EXAM 02 ; Chapters 17 & 19 |
| APR 01 | THUR | Ch. 20 | Urinary system |
| APR 06 | TUES | Ch. 20 | Urinary system |
| APR 08 | THUR | Ch. 22a | Urinary system |
| APR 13 | TUES | Ch. 22a | Reproduction (male) |
| APR 15 | THUR | Ch. 22a | Reproduction (male) |
| APR 20 | TUES | Ch. 22b | Reproduction (female) |
| APR 22 | THUR | Ch. 22b | Reproduction (female) <i>April 28: Last day for student - initiated withdrawals</i> |
| APR 27 | TUES | ----- | LECTURE EXAM 03 ; Chapters 20 & 22a only |
| APR 29 | THUR | Ch. 13 | Reproduction (female) |
| MAY 04 | TUES | Ch. 13 | Endocrine System |
| MAY 06 | THUR | Ch. 13 | Endocrine System |
| MAY 11 | TUES | Ch. 13 | Endocrine System |
| MAY 13 | THUR | ----- | Built-in Snow Day and/or Connecticut Microscopy Society meeting |
| MAY 20 | THUR | Final Exam | 50% Cumulative : All Lectures + Labs TBA |

Tu/Th LECTURES
TUESDAY LAB

Posted: January 11, 2010