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BIO. 211: ANATOMY & PHYSIOLOGY I**FALL 2016 COURSE OVERVIEW SHEET**

AFTERNOONS

T-Th

CRN: 3427

Reverse side: approximate Lecture dates.

Ch. 01 Introduction to Human A&P	Ch. 07 Skeletal system
Ch. 02 Chemical Basis of Life	Ch. 08 Joints of the Skeletal system
Ch. 03 Cells (<i>selected topics; in Lab</i>)	Ch. 09 Muscular system
Ch. 04 Cellular Metabolism	Ch. 10 Nervous system I; Basic
Ch. 05 Tissues (<i>selected topics; in Lab</i>)	Ch. 11 Nervous system II; Divisions
Ch. 06 Skin/Integumentary system	Ch. 12 Sensory (<i>selected topics; in Lab</i>)

REQUIRED DIGITAL TEXT: *It's free! All of this will be discussed during the first class.*<https://openstax.org/details/anatomy-and-physiology>

Delay paper book purchases! Less expensive alternatives OK; examples shown below:

REQUIRED BOUND TEXT:Shier, D., Butler, J. and Lewis, R., Hole's Human Anatomy and Physiology (good value!)
10th edition or later preferred. It is not worth it to buy new!

WCB/McGraw Hill, Boston, MA, 2003.

10th edition: (ISBN = 0-07-243890-8)

LAB MANUAL: Martin, Terry R., Laboratory Manual for Hole's Human Anatomy
and Physiology WCB/McGraw Hill, Boston, MA, 2002. 10th edition: (ISBN = 0-07-243891-6)**PHOTO ATLAS:** An example of one that has been well-received:pMorton, D. and Perry, J., Photo Atlas for Anatomy and Physiology. (buy this used, ANY edition!)
Wadsworth Publishing Company, New York, NY, 1998 (ISBN = 0-534-51716-1)**Lectures:** E-440 Tues.. 2:20pm - 5:05pm**Labs:** E-438 Thurs. 2:20pm - 5:05pm**Dr. Lawrence Altman** Office: E-427

Phone: 203-596-8715

E-Mail: LGA@LawrenceGAltman.com
LAltman@nvcc.commmnet.edu**OFFICE HOURS:**

5:10 pm - 6:50 pm Mondays and Wednesdays

5:10 pm - 6:00 pm Tuesdays and Thursdays

*Other times by appointment.***GRADING****LECTURE:** *Best 400 points:*

400 points: 4 Lecture Exams

100 points: Cumulative Final

LAB: *Best 350 points:*

400 points: 4 Lab Tests

3 best tests + 50% of lowest test

Course Grade: percentage based on 750 points.**-EXAMINATION DATES-**

SEP 22	LAB TEST 01 100 points See weeks 01-02-03
SEP 27	LECTURE TEST 01 100 points Chapters 01, 02 + Language of Anatomy
OCT 13	LAB TEST 02 100 points See weeks 04-05-06
OCT 18	LECTURE TEST 02 100 points Chapters 04 & 06
NOV 03	LAB TEST 03 100 points See weeks 07-08-09
NOV 08	LECTURE TEST 03 100 points Chapters 07-08-09
DEC 01	LAB TEST 04 100 points See weeks 10-11-12
DEC 06	LECTURE TEST 04 100 points Chapters 10 and 11
DEC 15	FINAL EXAM 100 points Lecture: cumulative

**BIO. 211: ANATOMY & PHYSIOLOGY I
LABORATORY SCHEDULE**

FALL 2016

AFTERNOONS

**Thursday
LABORATORIES**

CRN: 3427

*Lab Manual pagination
based on 10th edition*

WEEK:	DATE:	REFERENCE:	TOPICS:
01.	SEP 01	Chapter 02 (Labor Day catch-up) 3 parts; class website Exercise 03 (p. 23)	Chemical Basis of Life (tested on Lec Test 1 only) Assign: Language of Anatomy The Microscope
02.	SEP 08	Exercise 04 (p.33) Chapter 02 (Labor Day catch-up)	Assign: Cellular Structure + focus: membranes Chemical Basis of Life (tested on Lec Test 1 only)
03.	SEP 15	Exercise 06 (p. 51)	The Cell Cycle + Terminology Contest
04.	SEP 22	LAB TEST 1 100 points Exercise 05 (p. 43)	Lab weeks (see first column) 01-02-03 Movements through Cell Membranes
05.	SEP 29	Ex.07 (p.59) + Ch. 5	Classification of Tissues: Epithelium
06.	OCT 06	Ex.08 (p.65) + Ch. 5	Classification of Tissues: Connective
07.	OCT 13	LAB TEST 2 100 points STUDENT INTERVIEWS Exercise 11 (p. 85) Exercise 12 (p. 91) Exercise 13 (p. 97)	Lab weeks (see first column) 04-05-06 Classification and Structure: Bone Organization of the Skeleton The Skull
08.	OCT 20	STUDENT INTERVIEWS Exercise 14 (p. 109)	Vertebral Column Thoracic Cage
09.	OCT 27	STUDENT INTERVIEWS Exercise 15 (p. 117) Exercise 16 (p. 127)	Pectoral Girdle and Upper Limb Pelvic Girdle and Lower Limb
10.	NOV 03	LAB TEST 3 100 points Exercise 33 (p. 265) Ex. 20 - 23 (p. 159-87)	Lab weeks (see first column) 07-08-09 The Ear and Hearing (Models + film clip) Human Muscles: Assign + Models
11.	NOV 10	Exercise 27 (p. 223) Exercise 30 (p. 243)	Meninges/Spinal Cord (Lecture Cadaver Video) Sheep Brain (specimens + human models)
12.	NOV 17	Exercise 35 (p. 279) Exercise 36 (p. 289) Ex. 20 - 23 (p. 159-87)	The Eye (Models + charts+ flashlights) Visual Tests and Demonstrations Human Muscles: models (if needed)
13.	DEC 01	LAB TEST 4 100 points	Lab weeks (see first column) 10 - 12

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AFTERNOONS

LECTURES

Tues. FALL 2016 CRN: 3427

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AUG 30	Ch. 01 Ch. 02	Introduction to Human A&P Chemical Basis of Life
SEP 06	Ch. 02	Chemical Basis of Life
SEP 13	Ch. 04	Chemical Basis of Life; start Ch. 4, Cell Metabolism
SEP 20	Ch. 04	Cellular Metabolism
SEP 27	TEST Ch. 04	LECTURE TEST 01; Chapters 01-02 + Language of Anatomy Cellular Metabolism
OCT 04	Ch. 06 Ch. 07	Skin/Integumentary system (student assignment: brief overview in class) Skeletal system
OCT 11	Ch. 07	Skeletal system
OCT 18	TEST Ch. 07 Ch. 08	LECTURE TEST 02; Chapters 4 & 6 Skeletal system Joints of the Skeletal system (student assignment: brief overview in class)
OCT 25	Ch. 09	Muscular system
NOV 01	Ch. 09	Muscular system
NOV 08	TEST Ch. 10	LECTURE TEST 03; Chapters 07-08-09 Nervous system I; Basic
NOV 15	Ch. 10	Nervous system I; Basic <u>Note:</u> Nov. 22: last Day to apply for a "W"
NOV 22	Ch. 11	Nervous system II; Divisions
NOV 29	Ch. 11	Nervous system II; Divisions
DEC 06	TEST	LECTURE TEST 04; Chapters 10-11
DEC 15	TEST	TEST FINAL EXAM 100 points <u>Note:</u> 3:00 PM start time Lecture: cumulative (+ a very <u>small</u> number of lab topics TBA)