



Chaminade University of Honolulu, at Tripler

Biology 152 **Human Anatomy and Physiology 11**

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Winter 2002

M/W 1950-2155

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TEXT: Principles of Anatomy & Physiology, 9th ed. by Tortora and Grabowski, and accompanying materials.

INSTRUCTION: Concurrent registration in Biol 152 Lab is required. Lecture is from a variety of sources, and regular attendance is normally required to pass. Federal loan protocols require attendance to be taken.

GENERAL COURSE OBJECTIVE: To present a comprehensive second semester conclusion of human anatomy & physiology course materials for **health/medical** sciences programs such as nursing or physical therapy.

GENERAL COURSE COMPETENCIES: It is expected that the nursing, PTA, or other health sciences **students who pass this course will have acquired**, in **full** or in **part**, the **knowledge** of basic **human** anatomy and physiology necessary to pass the pertinent sections of their respective licensing exams. Other students may choose to pursue more advanced studies in biology or anatomy and physiology.

SPECIFIC COURSE COMPETENCIES: As the course proceeds, students will be expected to be able to answer **detailed** questions concerning the lectures, readings, and handouts relating to the course.

PROSPECTIVE INTER 2002 UTL NE	CHAPTERS	TENTATIVE EXAMS
Nervous time & the Spinal Cord	12 & 13	EXAM 1 (Jan 16)
Brain & Cranial Nerves, Sensory, Motor, & Integrative Systems	14& 15	EXAM 2 (Jan 23)
Special Senses and the Autonomic Nervous System	16& 17	EXAM 3 (Jan 30)
Endocrine <u>System</u>	18	EXAM 4 Feb 6
Respiratory System (a lab practical is assigned on Feb 11)	23	EXAM 5 (Feb 20)
Urinary System and Fluid, Electrolyte, and Acid-Base Homeostasis	26 & 27	EXAM 6 (Feb 27)
Reproductive System, Development and Inheritance	28 & 29	EXAM 7 (Mar 13)
The final lab practical is assigned on Mar 18		
ALL TOPICS, comprehensive final exam , March 21	12-18, <u>23,26-29</u>	FINAL EXAM, Mar 20

GRADING: Seven 30 point exams and an 60 point **comprehensive** final. NO extra credit assignments.

Letter grade distribution: "A" = **100-90%** "B"=89-80% "C" = **79-67%** "D" = **66-56%** "F" = **55-0%**.

Adjustment points will be added to all student point totals if the class average falls below the 75th percentile mark normally expected on a standard curve. Student scores and point totals that fall below **50%** are below the absolute course minimum, and **will not be calculated** into class **average**

STUDY SKILLS AND ADVISING: Learning is enhanced when you organize, summarize, and rewrite lecture (and text material) for review. The data standard is the textbook, with heavy reliance on lecture notes.

Withdrawal Policy: Students who disappear from the lecture or lab with no withdrawal form processed will earn an "F". Students who withdraw from lecture must withdraw from the lab as well. The last day to withdraw is sometime in February, (please consult your program coordinators for assistance).



Biology 15 2 Lab, Human A & P Lab I I Main Campus, Henry Hall rm 8
Saturdays 12:30 pm, 3 140 **Waiālae** Ave., take **H-1** east, exit 2S A

Lab Text: Integrated Human Anatomy, 4th ed. by C. Daniels, McGraw Hill Publ., 1994

Instruction: Dissection labs, lab exercises and write-ups, and study of anatomy models, and lecture text images.

Course competencies: To learn human anatomy and physiology by the completion of this course,

1. as the course proceeds, it is the responsibility of the students to be able to correctly answer detailed questions derived from the following sources:

a. The underlined, labelled structures cited in the lab manual concerning the anatomy models.

b. The assigned **figures** in the lecture textbook.

c. The structures cited in the lab manual relevant to the assigned dissection exercises.

2. Students should become "independent learners" by writing lab reports and by self-directing their lab study.

Grading: The grade distribution is based on 200 points, with adjustments to the curve as outlined for lecture. Lab and lecture grades are separate and independent.

a. Lab practicals: a mid-term and a noncomprehensive final. Each exam is 80 points; multiple-choice questions concerning identification of images and structures on models. Midterm and Final practical exams will be retained by the instructor.

b. Dissection labs: 20 total points are obtainable by individual testing at the end of each dissection lab.

c. Lab Write-ups: 20 total points are obtainable by written reports, which will be ranked on a percentage scale to be explained in class. A one point penalty deduction for every day late may be invoked; faxes acceptable.

Lab	Date	Prospective Biology 152 Lab Schedule Topic(s) WINTER 2002	Lecture Text Figures
01	Jan 12	Lab Guidelines, The Scientific Method handouts, paper assigned.	12.2 thru 12.5 12.10, 12.13
	Jan 12	Self-study Brain model (46-49) Nervous Syst (49-51)	13.3 thru 13.5 13.11, 13.12
02	Jan 19	Sheep brain dissection, self-study Brain model (46-49)	14.1 thru 14.4
	Jan 19	Self-study Brain model (46-49) Nervous Syst (49-51)	14.9, 14.11, 14.13 14.16
03	Jan 26	Neurophysiology experiment, paper assigned.	16.4, 16.5, 16.7
	Jan 26	Self-study Eye models (41-43) & Ear model (43-45)	16.19, 16.21, 16.22
04	Feb 02	Special senses experiments, paper assigned.	
	Feb 02	Eye dissection, and Self-study models & images	
05	Feb 09	Self-study models & images in the lecture textbook	
	Feb 11	Midterm Lab Practical Exam (at Tripler, no lecture on this date)	
06	Feb 16	Endocrine paper assigned, study Endocrine organs on Torso model (51)	18.1, 18.13, 18.17,
	Feb 16	Self-study Respiratory System model (66-68)	18.23
07	Feb 23	Respiratory experiment, paper assigned.	23.4, 23.10, 23.11
	Feb 23	Self-study Kidney model (59-60) Urinary system model (60-61)	26.6, 26.7, 26.9, 26.10
08	Mar 02	Dissect fetal pigs, kidney/testis	28.2 thru 28.5
09	Mar 09	Urinary physiology experiment, paper assigned.	28.13, 28.15, 28.19
10	Mar 16	Male & female models (69-72), and Self-study models & images	28.25, 28.30, 29.2 29.3, 29.5
	Mar 18	Final Practical Exam (at Tripler, no lecture on this date)	

General Notices for both lecture and lab:

Class (lecture or lab) is cancelled for the day if, without prior notice, the instructor is 15 minutes late.

Comments and suggestions concerning any part of the course are encouraged.

Looking at notes or another's work during exams will incur a penalty of -40 points for each incident.

Disruptive behavior will result in grade penalty and/or banishment from class.

No earphones, no dictionaries, no calculators, no pagers, no cell phones, and no talking allowed during exams. Please turn off cell phones and pagers during lectures.

If absent, please be aware that it is your responsibility to find out if schedule changes were made.

***** LABORATORY WARNING AND DISCLOSURE *****

Dissection material used in this lab may have been fixed in an aqueous solution of formaldehyde which is an irritant of the eyes, upper respiratory tract, and skin, is tumorigenic in rats, and is a Group B1 carcinogen. Formalin is toxic. Drinking formaldehyde is fatal.

For these reasons, during any dissection lab:

1. Gloves should be worn to protect the skin.
2. Glasses should be worn to protect the eyes.
3. Spills and splashes should be immediately and thoroughly rinsed off with water.
4. The specimen should be frequently rinsed with water.
5. Available fans should be set on full speed, and all windows and doors kept open.
6. Anyone with chronic, defined respiratory problems should report to the instructor.

GENERIC LABORATORY RULES

- 1) Generally, each student is expected to act in a mature and responsible manner in the laboratory.
- 2) Lab equipment is to be treated with care; please report any malfunction or breakage.
- 3) Keep your work area clean. All spills and debris are to be removed before leaving lab.
- 4) Preservative fluids can stain and disolor your clothes. A lab coat, apron, or an old shirt is recommended.

SAFETY RULES

- 1) Know the location of the first aid kit and report any injury or toxic reaction to the instructor.
- 2) Dissection instruments are to be used with care & control; do not endanger yourself or your lab partner with inattention or horseplay.
- 3) All incisions and cuts are to be made away from you and your lab partner's body and appendages. Whenever feasible, cut downward into the pad liner on the bottom of the dissecting pan.
- 4) Do not eat or drink anything in the lab, no smoking; be aware of the possibility of contact-contamination.
- 5) Wear gloves when handling any specimen. Wash immediately if you touch preservative fluids.

Please fill out the form below, sign and present to your lab instructor

ASSUMPTION OF **RISK** AND RELEASE FOR BIOLOGY 152 LABORATORY

Winter 2002, January 7 - March 20, Saturdays at 1230, taught by Charles Matsuda at Chaminade Main Campus

I have read and fully understand the written safety and other rules and precautions that are a part of the requirements for my participation in lab, as well as those explained to me by my instructor, and I agree to strictly observe them; and

I, _____ (Please print your name on the line) do for myself, my heirs, executors, and administrators hereby accept full responsibility for and indemnify, release, and discharge Chaminade University of Honolulu, its officers, agents, and employees from any and all claims of actions for property damage, and/or personal injury which may result from my failure to abide by these safety rules and precautions, or from any inherent risks in said lab.

Student Signature