



BIOLOGY 152 Lab Human Anatomy and Physiology II Lab
Class Meetings: Saturday 12:30 pm at Henry Hall in room 8.

Summer 2000

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

Instruction Methods: (a) dissection, (b) lab exercises and **write-ups**, and (c) study of models, and lecture text **images**.

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

1. It is the responsibility of the students to be able to correctly answer questions concerning:

- The underlined, labeled structures cited in the lab manual concerning the anatomy models.
- The assigned figures in the lecture textbook.
- The structures cited in the lab manual relevant to the assigned dissection exercises.

2. Students should **competently** write **lab reports** and **self-direct** their study of models and **assigned images**.

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**, and any missed practical will be recorded as **'zero'**. **Midterm and Final practical exams will be ret 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. There will be a one point penalty deduction for every day late; **faxes are acceptable**.

d. No smoking, no drinking, no eating, no **horseplay**, allowed in lab.

Lab	Date	Prospective Summer 2000 Biology 152 Lab Schedule Topic(s)	Text Figures
01	July 08	Lab Guidelines	12.2 thru 12.5, 12.10, 12-13
		Self-study Brain model (46-4) Nervous Syst (46-51)	19.9 thru 19.9, 13.11, 13.12
02	July 15	Sheep brain and eye dissection	14.1 thru 14.4
		Self-study Brain model (46-49) Nervous Syst (49-51)	14.9, 14.11, 14.13, 14.16
03	July 22	Neurophysiology exam in lab	6.4, 6, 16.7
		Self-study Eye models (41-43) & Ear model (43-45)	16.19, 16.21, 16.2
04	July 29	Special senses experiments paper assigned	
05	Aug 05	Self-study all models and images assigned	
	Aug 07	Midterm Lab Practical Exam, at Pearl Harbor	
06	Aug 12	Respiratory experiment, paper assigned	18.1, 18.13, 18.17,
		Self-study Respiratory System model (66-68), Kidney model (59-60)	18.23
07	Aug 19	Urinary physiology experiment, paper assigned	23.4, 23.10, 23.11
		Self-study Urinary system model (60-61), Male & female models (69-72)	26.6, 26.7, 26.9, 26.10
08	Aug 26	Dissect kidney/testis, fetal pig reproductive systems	28.2 thru 28.5, 28.13
09	Sept 02	Self-study all models & images assigned since the midterm	28.15, 28.19, 28.25, 28.30
10	Sept 09	Self-study all models & images assigned since the midterm	29.2, 29.3, 29.5
	Sept 11	Final Practical Exam, at Pearl Harbor	

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. Please consult your program coordinators for assistance.

General Notices for both lecture and lab:

Class (lecture and lab) is cancelled for the day if, without prior notice, the instructor is twenty minutes late. Comments and suggestions concerning any part of the course are encouraged, but instructional, departmental, and university policies and responsibilities require that all final decisions reside with the instructor.

Honorable behavior is **expected** of all class members. Any student observed looking at notes or another student's work during exams will be **penalized** minus 40 points or 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, it is your **responsibility** to find out if changes were made to the exam schedule.

See me at any time during the semester to check your academic progress.

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

Dissection material used in this lab may have been fixed in formalin, an aqueous solution of formaldehyde. Formalin is an irritant of the eyes, upper respiratory tract, and skin. Lab experiments have shown that formaldehyde is tumorigenic in rats, and the EPA classifies formaldehyde as 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/or discolor 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 an 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; be aware of the possibility of contact-contamination.
- 5) Wear gloves when handling any specimen. Wash immediately if you touch preservative fluids.

Please tear along this line and present the completed form below to your instructor.

ASSUMPTION OF RISK AND RELEASE FOR BIOLOGY 152 LABORATORY

Summer 2000, July 05 - September 13, Saturdays at 1230, taught by Charles Matsuda

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, _____ (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



AM W6-00

Chaminade University of Honolulu, at Tripler

BIOLOGY 152 3D

Human Anatomy and Physiology II

Winter 2000

Class Meetings: Mon/Wed 1950-2155. Concurrent registration in Biol 152 Lab is required.

Instructor: Charles Matsuda

Messages: 734-9356 or [email: cmatsuda@hawaii.edu](mailto:cmatsuda@hawaii.edu)

TEXT: Principles of Anatomy & Physiology, 8th ed. by Tortora and Grabowski with accompanying materials.

INSTRUCTION: Lecture material is derived from a variety of sources, and regular attendance is normally required to pass. Due to federal loan protocols and other considerations, all fees will 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. A continuation of Biology 151, which provides a first semester introduction to the course materials.

GENERAL COURSE COMPETENCIES: It is expected that the nursing, physical therapy assistant, or other allied health sciences students who pass this course will have acquired 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, and at the completion of this course, students will be expected to be able to answer detailed objective questions concerning the lecture material, textbook readings, and class handout assignments relating to this **PROSPECTIVE COURSE OUTLINE:**

TOPICS	WINTER 2000	EXAM DATES
Nervous tissue & the Spinal Cord		
Brain -- Cranial Nerves, Sensory, Motor, & Integrative Systems	4	
Special uses an Autonomic Nervous System	1.	KAM
Endocrine System	IS	EXAM 4 (Feb 9)
Respiratory System (a lab practical is assigned on Feb 14)		V
Urinary System and Fluid, Electrolyte, and Acid-Base Homeostasis	26	EXAM 6 (1)
Reproductive System, Development and Inheritance		(8)
The final a practical is assign on Mar 13		
ALL TOPICS	12- 26-29	A comprehensive, Mar 15

Grading: Seven 30 point exams and an 40 point comprehensive final. 0 extra credit assignments. Letter grade distribution in %: "A" = 100-90 "B" = 89-80 "C" = 79-67 "D" = 66-56 "F" = 55-0.