WE '01

Chaminade University of Honolulu, at Tripler **BIOLOGY 152 3 Human A&P II** **Winter 2001**

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

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TEXT: 'nciples 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, attendance 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.

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, students will be expected to be able to answer detailed questions concerning the lectures, readings, and handouts relating to the course.

PROSPECTIVE WINTER 2001 OUTLINE	CHAPTERS	TENTATIVE EXAM DATES
Nervous tissue & the Spinal Cord	12 & 13	EXAM 1 (Jan 17)
Brain & Cranial Nerves, Sensory, Motor, & Integrative Systems	14& 15	EXAM 2 (Jan 24)
Special Senses and the Autonomic Nervous System	16& 17	EXAM 3 (Jan 3 1)
Endocrine System	18	EXAM 4 (Feb 7)
Respiratory System (a lab practical is assigned on Feb 12)	23	EXAM 5 (Feb 19)
Urinary System and Fluid, Electrolyte, and Acid-Base Homeostasis	26 & 27	EXAM 6 (Feb 26)
Reproductive System, Development and Inheritance	28 & 29	EXAM 7 (Mar 14)
The final lab practical is assigned on Mar 19		
ALL TOPICS	12-18, 23, 26-29	FINAL EXAM, comprehensive, Mar 21

GRADING: Seven 30 point exams and an 60 point comprehensive final. NO extracredit assignments.
Letter grade distribution: "A" = 100-90% "B" =89-80% "C" = 79-67% "D" = 66-56% "F"=55-O%.

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 averages.

STUDY SKILLS AND ADVISING: It is helpful for learning to organize, summarize, and rewrite the information contained in the lecture (and text) into a set of notes which can be used for review. The data standard for the course is the textbook, with heavy reliance on lecture notes.

Students who perform poorly on tests should seek academic advising from the instructor.

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 152 **Lab** Human Anatomy and Physiology II Lab Main Campus

Class Meetings: Saturday 12:30 pin at Henry Hall in room 8.

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

Instruction Methods: This course combines (a) dissection labs, (b) lab exercises and write-ups, and (c) study of anatomy models, and images in the lecture text.

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

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 relevant text information provided on lab handout materials.
   d. 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 of models and assigned textbook 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, involving timed stations and 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. 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.

La'	Date	Prospective biology 152 Lab Schedule Topic(s) WINTER 2001	Lecture Text Figures
	Jan 13	**Lab Guidelines, The Scientific Method handouts, paper assigned.**	12.2 thru 12.5 12.10, 12.13
	Jan 13	**Self-study Brain model (46-49) Nervous Syst (49-51)**	13.3 thru 13.5
02	Jan 20	**Sheep brain dissection, self-study Brain model (46-49)**	14.1 thru 14.4
	Jan 20	**Self-study groin model (46-49) Nervous Syst (49-51)**	14.9, 14.16
03	Jan 27	**Neurophysiology experiment, paper assigned.**	16.4, 16.5, 16.7
	Jan 27	**Self-study Eye models (41-43) & Ear model (43-45)**	16.19, 16.21, 16.22
04	Feb 03	**Special senses experiments, paper assigned.**	
	Feb 03	**Eye dissection, and Self-study models & images**	
05	Feb 10	**Self-study models & images in the lecture textbook**	
	Feb 12	Midterm Lab Practical Exam (at Tripler, no lecture on this date)	
06	Feb 17	**Endocrine paper assigned, study Endocrine organs on Torso model (51)**	18.1, 18.13, 18.17,
	Feb 17	**Self-study Respiratory System model (66-6.8)**	18.23
07	Feb 24	**Respiratory experiment, paper assigned.**	23.4, 23.10, 23.11
	Feb 24	**Self-study Kidney model (59-60) Urinary system model (60-61)**	26.6, 26.7, 26.9, 26.10
08	Mar 03	**Dissect fetal pigs, kidney/testis**	28.2 thru 28.5
09	Mar 10	**Urinary physiology experiment, paper assigned.**	28.13, 28.15, 28.19
10	Mar 17	**Male & female models (69-72), and Self-study models & images**	28.25, 28.30, 29.2 29.3, 29.5
	Mar 19	Final Practical Exam (at Tripler, no lecture on this date)	

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 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.

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, and no talking 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 WARMING 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 tumorogenic 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 wom to protect the skin.
2. Glasses should be wom 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 get 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 disodor 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; 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

Winter 2001, January 8 - March 21, 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 _____ Date _____