

# ANATOMY (ABIO 232)

4 credit hours

FALL, 2001

**INSTRUCTOR:** Dr. Hugh Hanlin (Office #101A, Science Building)  
Phone: (803) 641-3439; E-mail: hughh@aiken.sc.edu

**LECTURE:** Science Building, Room 327; MW 12:00- 1:15PM

**LABORATORY:** Science Building, Room 104; M 2:00 - 4:50 PM (Section 001)  
W 2:00 - 4:50 PM (Section 002)

**TEXTBOOK:** Human Anatomy, 5<sup>th</sup> Edition, by Van de Graaff

**LAB MANUAL:** Basic Anatomy: A Laboratory Manual, B. L. Allen

**LAB SUPPLIES:** All students must have dissecting scissors, scalpel, and dull probe. You may also wish to purchase a lab coat or apron, gloves, hand lotion, etc. These will not be provided for you. (Caution: Exposure to formaldehyde has been linked to cancer in rats. Surgical gloves are recommended for use with handling preserved specimens.) Any students with special health considerations or conditions should inform their instructor and seek special instructions regarding exposure in labs.

## COURSE DESCRIPTION:

A survey of the structure, function, and development of human systems.

## COURSE OBJECTIVES:

- To acquaint students with the anatomical organization of the human body to include cell structure and function, tissue organization, organs and systems; and
- To trace the development of human systems.

## COURSE CONTENT:

- Human body organization, anatomical orientatiion, cell structure, developmental anatomy, tissues, organs, and systems.
- By the end of the course students will have demonstrated the ability to identify and/or describe
  - 1) Human body organization
  - 2) Anatomical orientation
  - 3) Cell structure and functions
  - 4) Cleavage, gastrulation, and neurulation
  - 5) Fate of primitive cell layers
  - 6) Tissue organization
  - 7) Organ structure and function
  - 8) System Organization and function.

**EVALUATION:**

Four Lecture Quizzes	40%
Two Laboratory Examinations	30%
Laboratory Evaluation	05%
Final Lecture Examination (Comprehensive)	25%

## ADDITIONAL COMMENTS:

- 1) You will be expected to have read the assigned chapters prior to lecture.
- 2) You will be expected to have read all laboratory exercises and the accompanying text references before attending labs. You must bring both your laboratory manual and your text to the laboratory.
- 3) You will be expected to endorse the following **HONOR PLEDGE** on every quiz:

On my honor as a University of South Carolina at Aiken student, I have neither given nor received any unauthorized aid on the assignment/examination. To the best of my knowledge, I am not in violation of academic honesty.

- 4) No makeup exams will be given for laboratory quizzes. No makeup exams will be given for lecture quizzes except under some extreme situations (see Student Handbook).
- 5) Students are expected to adhere to the University attendance policy as stated in the Student Handbook.
- 6) You are encouraged to make appointments with your instructor if you are having problems in the course. In general, the following hours are available for appointments:  
Tuesday & Thursday 9:00 AM - Noon

- 7) If you have a physical, psychological, and/or learning disability which might affect your performance in this class, please contact the Office of Disability Services, 126A B&E, (803) 641-3609, as soon as possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

### TENTATIVE LECTURE SCHEDULE

DATE	TOPIC	TEXT
<b>August</b> 20 22	Introduction, Body Organization, Anatomical Orientation The Cell	Chapter 2 Chapter 3
27 29	Developmental Anatomy Tissues	Chapter 22; Supplement Chapter 4
<b>September</b> 03  05	<b>LABOR DAY HOLIDAY</b> Tissues	Chapter 4
10 12	<b>LECTURE QUIZ #1</b> Integument	Chapter 5
17 19	Skeletal System Skeletal System- Articulations	Chapter 6-7 Chapter 8
24 26	Muscular System <b>LECTURE QUIZ #2</b>	Chapter 9
<b>October</b> 01 03	<b>Last Day to Withdraw without "WF"</b> Respiratory System Digestive System	Chapter 17 Chapter 18
08 10	<b>FALL BREAK</b> Digestive System	Chapter 18
15 17	Urinary System <b>LABORATORY EXAM #1</b>	Chapter 19
22 24	Reproductive Systems <b>LECTURE QUIZ #3</b>	Chapter 20-21
29 31	Reproductive Systems Circulatory System	Chapter 20-21 Chapter 16
<b>November</b> 05 07	Circulatory System Nervous System – Introduction	Chapter 16 Chapter 11
12 14	Nervous System – CNS & PNS Nervous System – Special Senses	Chapter 11,12 Chapter 15
19 21	<b>LECTURE QUIZ #4</b> <b>THANKSGIVING HOLIDAY</b>	
26 28	Nervous System – Autonomic <b>LABORATORY EXAM #2</b>	Chapter 13
<b>December</b> 03  12	Endocrine System <b>FINAL EXAMINATION (11:00 AM)</b>	Chapter 14

### LABORATORY SCHEDULE

LAB MEETING	DATES	TOPICS	LAB EXERCISES
1	Aug 20, 22	Microscope, Cytology	Text p. 61-67
2	Aug 27, 29	Embryogenesis	Lab Supplement
3	Sep 10, 12	Histology, Integument	Text p. 73-118
4	Sep 17, 19	Skeletal System	#1
5	Sep 24, 26	Skeletal System	Text p. 192-220
6	Oct 1, 3	Cat Dissection; Muscular System	#2
7	Oct 10, 15	Muscular System	#3
	Oct 17	<b>LABORATORY EXAM #1</b>	
8	Oct 22, 24	Respiratory & Digestive Systems	#4
9	Oct 29, 31	Urinary & Reproductive Systems	#5
10	Nov 5, 7	Circulatory System	#6
11	Nov 12, 14	Circulatory System, Nervous System	#6,8
	Nov 28	<b>LABORATORY EXAM #2</b>	

