

**Mount on the inside front cover of your notebook:**  
**ANATOMY AND PHYSIOLOGY 203 LAB**

Course #: 34-BIOL-203

LAB SCHEDULE

David B. Fankhauser, Ph.D.

Office Hours: 12-1, M-F

Spring Quarter

Professor of Biol and Chem

Office: EDS 215 P

2007-2008

U.C. Clermont College

<http://biology.clc.uc.edu/fankhauser/>

Batavia OH 45103

**LABORATORY OBJECTIVES:** To learn understand the anatomy, histology and physiology of the **circulatory, respiratory, digestive, urinary, and reproductive systems**, using cat dissections, prepared slides of tissue sections, and various physiological experiments.

**REQUIRED EQUIPMENT:** 1) Bound Graph-lined Comp. Notebook, 10 x 7 7/8 inches  
 (All Lab notes are entered *directly* into this book.)  
 2) **Black** Pilot Precise V7 Very Fine, or Tombo Roll Pen

**TEXTS** (These should be brought to lab every Thursday):

**REQ'D: VE:** Eroschenko, V.P., *di Fiore's Atlas of Hum Histo*, 9th Ed., Lea & Febiger, '00.

**OPTIONAL:** (You and/or your bench mate should own a copy of Gilbert.)

**SG:** Gilbert, S.G., *Pictorial Anatomy of the Cat*, Univ. of Wash. Press, (1975).

**KE:** Kapit & Elson, *The Anatomy Coloring Book*, Harper & Row, (1977).

Date	Topic and Lab Handouts Note: these labs can be found on my A&P webpage	Ref Texts: VE	S	KE
4/3	LEUKOCYTE ID, BLOOD PRESSURE & EKG Lab Schedule Histology of Blood., Vernier Scales Blood Pressure Determination EKG protocol	62-73	72-74	62
4/10	CARDIOVASCULAR ORGANS Histology of Arteries & Veins Human Heart Cat Circulatory System Arteries for A&P students	110-115	60-74	63-82
4/17	Veins for A&P Students (finish up cardiovascular sys) LYMPHATIC SYSTEM Lymphatic System Anatomy and Histology	122-135		83-90
4/24	RESPIRATORY SYSTEM <b>NOTEBOOKS DUE</b> Organs of Respiration in the Cat Histo. of Respiratory Sys. Det'n of Respiratory Vol	235-249	40-42	91-97
5/1	Notebook Grade Sheet, 4/24/08 DIGESTIVE SYSTEM Digestive Sys Anatomy Histo. of Digestive Sys	151-233	42-51	98-106
5/8	Assay of Vitamin C by Titration Vitamin C Reagents Vit C Titration Protocol Standardization of Iodine Det'n Vit C in Fruit Juices			
5/15	URINARY SYSTEM Vitamin C excretion rate Urinary Tract Anatomy and Histology Urinalysis	251-265	52-56	
5/22	REPRODUCTIVE SYSTEM: MALE ANAT. & HISTO. Reproductive Structures in the Cat Histology of Reproductive Tissues	283-299	56-59	113-115
5/29	REPRODUCTIVE SYSTEMS: FEMALE ANATOMY & HISTOLOGY Reproduction: Organs & Tissues <b>NOTEBOOKS DUE</b>	301-335		116-120
6/5	Notebooks returned and discussed Gradesheet: 5/29/08 DEVELOPMENT AND PARTURITION Living Chick Embryo Movie of delivery			121-122
6/12	<b>FINAL EXAM, Thursday</b> 2:15-4:15 PM			28Mar08