

A & P 202 LAB SCHEDULE

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Course #: 34-BIOL-202 WINTER David B. Fankhauser, Ph.D.
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LABORATORY OBJECTIVES: To learn and understand the structure and functioning of the nervous and endocrine systems including their histology, organ components and integration into the whole organism. Study will include microscopic examination of tissue sections, cat dissections and physiological demonstrations.

REQUIRED 1) Pen, permanent black: **Pilot Precise V5**, Uniball Micro, or Tombo Fine.

EQUIPMENT: 2) Notebook, graph-lined bound Composition, 10 x 7 7/8

(All notes taken during Lab should be entered *directly* into this book in pen.)

TEXTS: REQUIRED: SG, **OPTIONAL:** VE and KE. Bring Gilbert lab as marked below:

SG: Gilbert, S.G. *Pictorial Anatomy of the Cat* Rvsd U.Wash. Pr. (1991).

KE: Kapit & Elson *The Anatomy Coloring Book* 2nd Ed HarperCollins (1993).

The library has all optional texts on reserve and videotapes on selected topics

LAB DATE	TOPIC AND REQUIRED HANDOUTS	Ero-shenko	Gilbert	Kapit& Elson
1/5	2 nd Notebook gradesheet, from 201 lab, Nov. 2011) Lab Schedule, A&P 202 (mount inside front cover) List of slides for A&P 202 (mount on page 1) NERVOUS SYSTEM HISTO. & EMBRYOLOGY Intro. to Nervous Tissue Histology Embryonic Dev. of Brain, 60 hr Chick Embryonic dev. illustrations (fr Balinsky)	86-95,81		112-114 117-118
1/12	THE CENTRAL NERVOUS SYSTEM Key to Brain Model Components Histology of Cerebrum and Cerebellum Removal of the Cat's Brain (cranial nerves next wk)	102-105	75-90	119-124
1/19	CRANIAL NERVES HISTO. OF SPINAL CORD Histological features of the spinal cord Reflex arc: Patellar Reflex	96-101	92-101	128-133
1/26	SPINAL NERVES Peripheral Nerves to Locate in the Cat Pacian corpuscles in pancreas	228-229	63-69	115 125
2/2	NEURAL INTEGRATION. NB DUE TODAY Recording an EEG Visual Reaction Time, Nystagmus Demo		102-110	
2/9	Notebooks returned, NB Gradesheet from 2/2/12 ANATOMY AND HISTOLOGY OF THE EYE Dissection of the Eye in the Cat Histology of the eye	337-345 349	102-105	137-139
2/16	HISTOLOGY OF SENSORY ORGANS Histology of inner ear organs Histology of smell & taste	346-349 230-231 154-159	116-117	140-142
2/23	ENDOCRINE SYSTEM ORGANS & HISTO. Survey of endocrine organs in the cat Histology of the endocrine system	266-281	40, 67	106-110
3/1	Pancreas Histology. NB DUE TODAY INTRO TO THE CIRCULATORY SYS: BLOOD Yeast cell count using hemocytometer	228-231		111
3/8	Notebooks returned, NB Gradesheet 3/1/12 (in Sp NB) Hematocrit protocol Blood cell counts protocol	62-73		48
3/15	FINAL EXAM (Note that this is the time assigned to Lab) TENTATIVE! Thursday, 10:30-12:30			rvsd 12/28/11