

A & P 2001 LAB SCHEDULE

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Course #: 34-BIOL-2001 AUTUMN David B. Fankhauser, Ph.D.
 Office Hours: MW 10:15-11:15, R 11-12 2015-2016 Professor of Biology & Chemistry
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LABORATORY OBJECTIVES: To learn and understand the structure and functioning of the integumentary, skeletal, muscular and nervous systems, their components and integration into the whole organism. Study will include histology of microscopic 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, 10.25 x 7 7/8 inches

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

REQUIRED TEXTS FOR LABS:

DF: Fankhauser, David *A&P Lab Manual* 1st Ed Morton Pub (2012)

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

Week	Topic	DF	SG
25 Aug	Intro to A&P Lab, Lay out your notebook Binocular Microscope, Buccal Smear	1-13	
1 Sept	A&P 201 Slide Index (Tissues to Muscles) EPITHELIAL TISSUES LAB	15	
8 Sept	CONNECTIVE TISSUES LAB	18	
15 Sept	CARTILAGE HISTOLOGY LAB INTEGUMENTARY SYSTEM	22 24	
22 Sept	BONE HISTOLOGY BONES & FEATURES OF SKULL NOTEBOOKS DUE	26 28, 29	
29 Sept	Notebooks returned, discussed. FEATURES OF SELECTED BONES	35-40	
6 Oct	DISSECTION OF CAT I: SKINNING	33-34	
13 Oct	FINISH FEATURES OF BONES; MAJOR JOINTS	41-44	16-24
20 Oct	MUSCLE HISTOLOGY MUSCLES OF THE HEAD & TRUNK	45-47 48-50	25-36
27 Oct	MUSCLES TO IDENTIFY IN THE CAT: THE APPENDAGES	50-54	
3 Nov	EMBRYOLOGY & NERVOUS SYSTEM HISTOLOGY	55-60 178	75-91
10 Nov	THE CENTRAL NERVOUS SYSTEM Removal and anatomy of the Cat's Brain	61-63	85-88
17 Nov	CRANIAL NERVES HISTO. OF SPINAL CORD NEURAL	63-64 65-66	92- 101
24 Nov	SPINAL REFLEXES NOTEBOOKS DUE PERIPHERAL NERVES IN THE CAT	67-68 69-72	102- 105
1 Dec	Notebooks returned and discussed INTEGRATION: Recording an EEG, Reflexes	73-74	

23 August 2015