

General Pathology – VPM 152

Winter 2010

Welcome to General Pathology! In your first semester and much of this second semester, you have been and will be studying the normal anatomy and physiology of the animal body. In General Pathology you will learn what happens when things go awry. Keep in mind that your knowledge of the normal will help you to appreciate the abnormal – which is pathology!

General Pathology is your introductory course to veterinary pathology. It is the study of disease mechanisms at the basic levels of biology. The principles learned in general pathology will be used to understand the unique ways each system reacts to injury. In your second year you will have two semesters of systemic pathology and one semester of clinical pathology.

Many new terms will be introduced in this course. You are strongly encouraged to develop your own glossary to help in your understanding of medical terminology. These terms will be used repeatedly in all your future veterinary courses and will be important for you to know in your career as a veterinarian.

OBJECTIVES:

1. Students will be introduced to general veterinary pathology in their second semester of veterinary school.
2. Students are expected to learn and use medical terminology.
3. Students will develop the experience and confidence to distinguish normal tissue and postmortem changes from tissue abnormalities that are relevant to clinical disease.
4. Students will understand basic disease processes that affect tissues of animals.
5. Students will gain appreciation of the relationship between clinical manifestations of disease processes and their underlying biochemical and morphologic abnormalities.
6. Students will be expected to describe pathological changes, understand the pathogenesis of specific disease processes, and make a morphological diagnosis based on the gross and/or histological findings presented.

LECTURES AND LABORATORIES:

Lectures (2 per week)	Labs (1 per week)
Wednesday 11:30 – 12:20 pm	
Friday 9:30 – 10:20 am	Friday 10:30 - 12:20 pm

INSTRUCTORS: Dr. Paul Hanna (course coordinator)
Dr. Lisa M. Miller
Dr. Maria Forzan
Dr. Enrique Aburto

Laboratory Instructors: Dr. Scott McBurney
Dr. Andrea Bourque
Dr. Melanie Buote
Dr. Shannon Martinson

REFERENCE MATERIALS:

Recommended Text:

1. Pathologic Basis of Veterinary Disease, McGavin and Zachary, 4th ed, 2006.

Other Reference Texts:

1. *Robbins & Cotran Pathologic Basis of Disease*, Kumar, et al. 8th ed, 2009.
2. Mechanisms of Disease, Slauson and Cooper, 3rd ed, 2002.
3. Histology and Cell Biology - an introduction to pathology, Kierszenbaum, 2nd ed, 2007.
4. Saunders Comprehensive Veterinary Dictionary, Blood, Studdert, Gay, 3rd ed, 2006.

Instructors Web Sites:

<http://people.upei.ca/hanna/> (Dr Hanna's website)

<http://people.upei.ca/lmiller/> (Dr Miller's website)

<http://atlantic.ccwhc.ca/?p=78> (Dr Forzan's website)

Additional Web Sites:

<http://w3.vet.cornell.edu/nst/> (large collection of veterinary pathology images)

<http://www.merckvetmanual.com/> (Merck Veterinary Manual, 9th edition, is free online)

EVALUATIONS:

MID-TERM EVALUATION **February 17, 2010** [~30% of final Grade]

This examination will include the first 11 lectures and laboratories. This will include Dr. Hanna's Introduction and Cellular Pathology and Dr. Miller's Circulatory Disturbances.

LABORATORY PRACTICAL EXAMINATION **April 16, 2010** [~30% of final Grade]

This examination will be a comprehensive laboratory examination consisting of 25 to 30 stations with gross and/or histological specimens.

FINAL EXAMINATION **April 17, 2010** [~40% of final Grade]

The examination will include the last 15 lectures and laboratories. The examination will include Dr. Forzan's Inflammation and Repair and Dr. Aburto's Disturbances of Growth and Neoplasia.