

Principles of General Pathology for Pharmacy Students

Course Coordinators: Drs. Jerry Fineg, Glen Mott, Neal Pinckard
Schedule, Spring 2007

Broadcast 1:00 - 1:50 pm M&W, from the McDermott Building Rm 2.108 at UTHSCSA
to Pharmacy Building, Room 3.106, UT Austin

<u>Lecture #</u>	<u>Date</u>	<u>Topic</u>	<u>Lecturer</u>
(1) January	17	Course Intro; Cell Function and Adaptation	Fineg/Saikumar
(2) January	22	Injury, Necrosis, Apoptosis & Cellular Accumulations	Saikumar
(3) January	24	Hematopoiesis and Hemostasis	Backus
(4) January	29	Hematopoiesis and Hemostasis	Backus
(5) January	31	Acute Inflammation	Pinckard
(6) February	5	Chronic Inflammation	Pinckard
(7) February	7	Mediators of Inflammation	Pinckard
		Pinckard	
(8) February	12	Mechanisms of Inflammatory Tissue Injury	Pinckard
(9) February	14	Tissue Healing & Review	Pinckard
(10) February	19	EXAM I	
(11) February	21	Immune System Cells & Functions	Reinhold
(12) February	26	Histocompatibility Complex & Cytokines	Reinhold
(13) February	28	Tissue Transplantation & Immunodeficiencies	Pinckard
(14) March	5	Hypersensitivity and Immunology	Pinckard
(15) March	7	Neoplasia, Classification and Features	Fiebelkorn
(16) March	11-17	Spring Break	
(17) March	19	Mechanisms of Neoplasia	Fiebelkorn
(18) March	21	EXAM II	Fiebelkorn
(19) March	26	Molecular Pathology I	Fiebelkorn
(20) March	28	Molecular Pathology II	Fiebelkorn
(21) April	2	Infectious Diseases-General	Fineg
(22) April	4	Infectious Diseases-Bacteria, Fungi, etc.	Fiebelkorn
(23) April	9	Infectious Diseases-Virology	Fiebelkorn
(24) April	11	Causes & Results of Flow Disturbances	Sprague
(25) April	16	CV Diseases Associated with Obstruction of Blood Flow	Sprague
(26) April	18	Disease Associated with Flow Disturbance of Other Fluids	Sprague
(27) April	23	EXAM III	
(28) April	25	Pathology of Nutritional Excesses	Mott
(29) April	30	Pathology of Nutritional Deficiencies	Mott
(30) May	2	Environmental Pathology	Mott
(31) May		FINAL (Date to be announced)	

INTRODUCTION

Pathology: Pathology is the study of disease processes and the response of normal tissue to injury. Pathology provides the scientific link between basic sciences and clinical medicine.

Objectives: This course is designed to provide an overview of most aspects of general pathology. The topics include abnormal cell function, hematology, inflammation and repair, molecular pathology, immunology, infectious diseases, genetics, disturbances of flow and nutritional pathology. At first glance many topics appear distinct and unrelated, but you should become aware of their interrelationships during the course. An example is the pathology of coronary heart

disease that includes the topics of inflammation, flow, nutrition (cholesterol and fat), and genetics. This course is designed to explain the mechanisms of disease processes, vital background for understanding the actions of drugs.

Syllabus and Text: The syllabus provides only an outline of the lectures, not every detail. The suggested text readings are listed at the beginning of the outline for each series of lectures. Text references are in "Basic Pathology", 7th edition, by Vinay Kumar et al., 2003. This text is on reserve in the Learning Resource Center, College of Pharmacy. This book has excellent graphics and includes much of the material discussed in class. It also will be a valuable resource in other classes.

Lectures: Most classes are broadcast by 2-way interactive TV from Room 2.108, the McDermott Building, 8403 Floyd Curl Drive, San Antonio (north of Wurzbach Road at the Medical Center). If you happen to be in San Antonio during the class period you are welcome to attend. Except for Dr. Fineg, the professors are based in San Antonio; therefore, the best time to ask questions of faculty will be during class. But also please feel free to contact faculty in San Antonio by E-mail at "last name@uthscsa.edu" except for Dr. Backus is "backuss@uthscsa.edu". The lectures are videotaped and can be reviewed in the Learning Resource Center. In addition the slides will be available in html and in Power Point at <http://pathology.uthscsa.edu/~mott/>. Then click on the course name on 2 pages in a row, login with user name, 253D; and password, path1pharm. Internet Explorer works better than Netscape or other browsers. You may print the slides from the web site by selecting Print Handouts. The tapes and the web site are not intended to replace classroom attendance and their availability in a timely fashion is not guaranteed. This course contains a large amount of new material. Therefore, class attendance is **strongly encouraged**.

Exams: There will be 3 exams and a final, each worth 50 points for a total of 200 points. An unannounced quiz may be given at the instructor's discretion that could provide a bonus point. The final exam also will include the questions on nutritional and environmental pathology with review of all other material in the course.

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PHARMACY 253D

PRINCIPLES OF GENERAL PATHOLOGY
FOR PHARMACY STUDENTS

SPRING 2007

1:00-1:50 P.M., MW
Pharmacy- Room 3.106

TABLE OF CONTENTS

INTRODUCTION.....	i
SCHEDULE.....	ii
CELL FUNCTION, APOPTOSIS, NECROSIS AND ACCUMULATIONS	1
HEMATOPOIESIS AND HEMOSTASIS.....	
INFLAMMATION, TISSUE INJURY AND HEALING.....	
IMMUNITY.....	
CYTOGENETIC BASIS OF DISEASE.....	
NEOPLASIA.....	
MOLECULAR PATHOLOGY.....	
INFECTIOUS DISEASES.....	
FLOW DISTURBANCES.....	
NUTRITIONAL AND ENVIRONMENTAL PATHOLOGY.....	