

Syllabus
Biology 205 - Pathophysiology
Fall, 2006

Human physiology is usually defined as the study of integrated functions of organs, tissues, cells, and molecules. Its goal is to understand the operation and control of life processes. Pathophysiology is the study of altered functional changes in the body due to disease states.

Since all of you had Human Anatomy and Physiology, it will be presumed that you understand the basic principles of normal physiology. Therefore, unless it is deemed necessary by the instructor, you will be required to review the normal physiology of a system before the pathophysiology of that system is discussed in class. The beginning chapter of most Units in the text will cover the review material you will need to read before you come to class.

This course will proceed at a brisk pace. So, keep up with the assigned readings and material presented in class. The lecture topics listed in the syllabus are tentative but I will try to keep on schedule. There are three exams during the semester, one final exam, and two problem-solving cases. Exams will contain a mixture of short answer and essay questions. The final exam is not comprehensive and will cover only the material presented after the third lecture exam. If you miss an exam, you will need a valid excuse to take a make-up. Make-up exams could be oral. Information and guidelines for the problem-solving cases will be discussed in class. Feel free to ask questions during lecture; if you are confused, chances are that others are as well.

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Office Hours: Tuesday 9-10 AM.
Wednesday 10AM-12PM.
Other hours by appointment.

Text: Crowley, Leonard 2004. An Introduction to Human Disease: Pathology and Pathophysiology Correlations. 6th Edition. Jones and Bartlett.

Course Attendance: Attendance in class is mandatory. Five percent of your course grade is based upon your attendance and class participation. An attendance sheet will be passed around at the beginning of each class. If you have to miss class, a valid written excuse is required. If possible, we would like to be informed before class if you cannot attend. It is amazing how much better students perform when they attend class.

Academic Honesty: I adhere to the Honesty Policy as stated in the Student Handbook. Read it and consider the implications of being dishonest.

Grading:

3 lecture exams @ 20% each =	45%
1 final exam	20%
2 problem-solving cases @ 10% each =	20%
Homework Assignments	10%
Class attendance and participation	5%
Total	100%

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<u>Date</u>	<u>Topic</u>	<u>Assignment</u>
Aug. 29	General Concept of Disease	Chap. 1
Aug 31	Inflammation and Repair Immunity	Chap. 4 Chap. 5
Sept 5	Immunity Pathogenic Microorganisms	Chap. 5 Chap. 6
7	Pathogenic Microorganisms	Chap. 6
12	Communicable Diseases	Chap. 8
14	Communicable Diseases	Chap. 8
19	<u>EXAMINATION #1</u>	
21	Chromosomes, Genes, Cell Division	Chap. 3
26	Congenital and Hereditary Diseases	Chap. 9
28	Congenital and Hereditary Diseases	Chap. 9
Oct. 3	Neoplastic Disease	Chap. 10
5	Neoplastic Disease	Chap. 10
10	No Class	
12	Circulatory Disturbances	Chap. 12
17	<u>Examination #2</u>	
19	Water Electrolyte and Acid-Base Balance	Chap. 24

	24	The Endocrine Glands	Chap. 25
	26	The Pancreas and Diabetes Mellitus	Chap. 22
	31	The Cardiovascular System	Chap. 13
Nov.	2	The Cardiovascular System	Chap. 13
	7	The Respiratory System	Chap. 15
	9	The Respiratory System	Chap.15
	14	<u>EXAMINATION # 3</u>	
	16	The Hematopoietic and Lymphatic Systems	Chap. 14
	21	The Urinary System	Chap. 19
	23	NO CLASS	
	28	The Liver and Biliary System	Chap. 21
	30	The Gastrointestinal Tract	Chap. 23
Dec.	5	Female Reproductive System	Chap. 17
	7	Male Reproductive System	Chap. 20