

General Physiology – Biology 115, Fall 2008

Instructors: Profs. H. Bernheim and D. Cochrane

Prof. Bernheim's Office Hours: Tuesday and Thursday 12:00 –1:00, and by appointment, Room Barnum 105

Prof. Cochrane's Office Hours:

Textbook: Principles of Human Physiology- Stanfield and Germann -third edition

Class Meets: Block G+: M&W 1:30-2:45p.m. Barnum 008

Exams: Midterms: 10/6 and 11/5, Final Exam: Friday Dec 12 12:00-2:00. in Barnum 008; each exam is worth 100 points

<u>Date</u>	<u>Topic</u>	<u>Readings</u>
9/3	Introduction/Homeostasis/ Diffusion	Chapter 1+4
9/8	Diffusion, Transport, Cell Signaling	Chapter 4+5
9/10	Cell Signaling+ Respiration (Ventilation)	Chapter 5+16
9/15	Respiration: Ventilation- Mechanics	Chapter 16
9/17	Respiration: Ventilation-Mechanics	Chapter 16
9/22	Respiration: Gas Exchange	Chapter 16+ 17
9/24	Respiration: Gas Exchange	Chapter 17
9/29	Respiration: Pathophysiology	Chapter 17
10/1	Heart as a Pump	Chapter 13; 323-343
10/6	First Exam (Excluding Material From Lecture on 10/1)	
10/8	Heart as a pump	Chapter 13; 323-343
10/13	Columbus Day- No Class	
10/15	Heart- Electrical Activity	Chapter 13 + 172-190
10/20	Heart- Electrical Activity	Chapter 13+172-190
10/22	Heart- Electrical Activity	Chapter 13 + 172-190
10/27	ECG + Smooth Muscle+ Vasculature	Chapter 14 + 350-354
10/29	Control of Local Blood Flow	Chapter 14
11/3	Lymphatics + Venous Return +Coronary Circulation	Chapter 14
11/5	Second Exam	
11/10	Renal Anatomy	Chapter 18
11/12	GFR + Reabsorption	Chapter 18
11/17	Reabsorption + Osmolarity Control	Chapter 18 + 19
11/19	Osmolarity + Volume Control	Chapter 19
11/24	Osmolarity + Volume Control	Chapter 19
11/26	No Class- Thanksgiving Break	
12/1	Potassium Balance + Acid/Base Balance	Chapter 19
12/3	Acid/Base Balance	Chapter 19
12/8	Renal Blood Pressure Control	Chapter 19

Final Exam is Friday December 12 from 12-2:00 in Barnum 008!