

BIL 265 – General Physiology – Spring 2010

Date	Lecture #	Topic	Reading	Instructor
Jan 19	1	Introduction	Chapter 1	Dr. Grosell
Jan 21	2	Molecules & cells	Chapter 2	Dr. Krempels
Jan 26	3	Transport of solutes and water	Chapter 4	Dr. Krempels
Jan 28	4	Feeding & Digestion	Chapter 5	Dr. Krempels
Feb 2	5	Energy metabolism	Chapter 6	Dr. Krempels
Feb 4	6	Energy metabolism, cont.	Chapter 6	Dr. Krempels
Feb 9	EXAM I		Material from Lectures 1-6	
Feb 11	7	Neurons	Chapter 11	Dr. Lu
Feb 16	8	Synapses	Chapter 12	Dr. Lu
Feb 18	9	Sensory processes	Chapter 13	Dr. Lu
Feb 23	10	Sensory processes – vision	Chapter 13	Dr. Krempels
Feb 25	11	Endocrine and Neuroendocrine	Chapter 15	Dr. Tokarz
Mar 2	12	Endocrine and Neuroendocrine	Chapter 15	Dr. Tokarz
Mar 4	13	Reproduction	Chapter 16	Dr. Krempels
Mar 9	EXAM II		Material from Lectures 7-12	
Mar 11	14	Thermal Relations	Chapter 9	Dr. Krempels
SPRING BREAK				
Mar 23	15	Control of Movement	Chapter 18	Dr. Dallman
Mar 25	16	Muscle and Movement	Chapter 19	Dr. Skromne
Mar 30	17	Consequences of Inaction	Chapter 20	Dr. Sealey
April 1	18	Respiration	Chapters 21, 22	Dr. Sealey
April 6	19	O ₂ /CO ₂ transport and Acid-base balance	Chapter 23	Dr. Sealey
Apr 8	20	Circulation	Chapter 24	Dr. Sealey
Apr 13	EXAM III		Material from Lectures 13-19	
Apr 15	21	Diving animals	Chapter 25	Dr. Robinson
Apr 20	22	Adaptations to hypoxia/anoxia – integrative physiology	Primary literature	Dr. Robinson
Apr 22	23	Water and salt physiology	Chapter 26, 27	Dr. Diresta
Apr 27	24	Kidneys and Excretion	Chapter 28	Dr. Diresta
Apr 29	25	Desiccating environments	Chapter 29	Dr. Diresta
Thursday, May 6	FINAL EXAM		Material from Lectures 1-24	

Textbook: Hill, Wyse & Anderson: Animal Physiology (2nd edition)

Course web site: www.bio.miami.edu/dana/265