

ANIMAL PHYSIOLOGY LABORATORY-Course Schedule

Week of	Lecture	Lecturer	Lab exercise	Work due
8/30	Introduction to equipment and measurements	Cabot/ Dilger	Labs meet	
9/6	No class Monday – Labor Day		Equipment introduction	
9/13	No Class – Rosh Hashanah		No labs	
9/20	Recording of compound action potentials in frog nerve	McKinnon	Compound action potential in frog nerve	
9/27	Frog Sciatic Nerve II	McKinnon	Frog Sciatic Nerve II	Lab notebooks for review
10/4	Recording of single axons in lobster nerve cord	McKinnon	Lobster nerve cord	Brief lab report: Frog nerve compound AP
10/11	Synaptic transmission and delay	McKinnon	Nerve conduction and synaptic delay	Brief lab report: Lobster nerve cord
10/18	Muscle contraction I	Dilger	Frog muscle contraction: isometric	Brief lab report: synaptic delay etc
10/25	Muscle contraction II	Dilger	Frog muscle contraction: isotonic	Lab notebooks for review
11/1	Cardiac cycle: mechanical, electrical properties	Cabot	Frog heart: Mechanical responses and ECG	Complete lab report: Frog muscle
11/8	Cardiac cycle: ECG and hormonal control	Cabot	Frog heart: drug effects	Lab notebooks for review
11/15	Human cardiovascular responses	Cabot	Human cardiovascular system	Complete lab report: Frog heart
11/22	No Lecture		No Lab: Thanksgiving	
11/29	Dynamics of breathing	Cabot	Neural control of breathing	Brief lab report: Human cardiovascular response
12/6	Open	Staff	Open	