Week 1 (Jan 21-23): Wyttenbach et al.2, Lab 1, Appendix B; For electrical background- Axon Guide3, chapter 1 and Thurman4; see 222passiveprop.pdf, and Moller5 for electric fish identification (PDFs on course web site).

Week 2 (Jan 28-30): Wyttenbach et al., Lab 2, Appendices C and D

Week 3 (Feb 4-6): Wyttenbach et al., Lab 10

Week 4 (Feb 11-13): Wyttenbach et al., Lab 4

Week 5 (Feb 18-20): Wyttenbach et al., Lab 8

Week 6 (Feb 25-27): Wyttenbach et al., Lab 9

Week 7 (March 4-6): Wyttenbach et al., Lab 7; Wayne7

Week 8 (March 11-13): Wyttenbach et al., Lab 5

Week 9 (March 18-20): Spring Break

Week 10 (March 25-27): Wyttenbach et al., Lab 5; Hodgkin and Huxley8,9

Week 11 (April 1-3): Wyttenbach et al., Lab 6

Week 12 (April 8-10): Fly lab handout

Week 13 (April 15-17): Fly lab handout

Week 14 (April 22-24): Readings for special projects

Week 15 (April 29-May 1): Hille10, Chapter 22

Additional readings will be posted, as appropriate for a lab exercise or class discussion.


4Thurman, C. Review of Electrical Terms and Principles and Instrumentation.


8Hodgkin, A.L. and Huxley, A.F. 1952. Currents carried by sodium and potassium ions
