



BIOLOGY 460W Lab – 2013 SCHEDULE

SCST 229

Tuesday

Hugh Ellis
SCST 478 (ext. 4075)
M – F 10:00-11:00 am
ellis@sandiego.edu

Wednesday

Darcy Taniguchi
SCST 251 (or 229 lab)
Th 4:15-6:15 pm
dtaniguchi@sandiego.edu

DATE	TOPIC	1,2,3 READINGS
Jan. 29 - 30	Introduction / Statistics I / Intro to Spreadsheets	¹ Secs. 1a, 1b
Feb. 5 - 6	Community Sampling – Part 1 (Tecolote Canyon) Invertebrates, Soils, & Abiotic Environment Statistics II	Sec. 2b Sec. 3 (pp 87-89), 3d
Feb. 12 - 13	Community Sampling – Part 2 (Analyses) Photosynthesis I – Exp. Setup	Sec. 2c Sec. 6c
Feb. 19 - 20	Photosynthetic Adaptations – Exp. Design/Setup Writing a Primary Technical Science Paper	Li-Cor Handout Sec. 1c & ² Knisely or ³ McMillan
⁴ Feb. 26 - 27	Animal Sampling I – Mark/Recapture	Sec. 3f
Mar. 5 - 6	Photosynthesis II – Data Analysis	
⁴ Mar. 12 - 13	Animal Sampling II – Recapture & Data Analysis Calorimetry	Sec. 3f
Mar. 19 - 20	Quadrat Sampling – Dispersion Analysis	Sec 3a, 4c
Mar. 26 - 27	<i>NO LABS (Spring Break)</i>	
Apr. 2 - 3	Field Trip Preparation	
⁵ Apr. 5-6	<i>Field Trip – Assemble at 1:30 pm</i> Desert Community Analyses (Anza-Borrego State Park)	
⁴ Apr. 9 - 10	Life Tables <i>Assemble Desert Data</i>	Sec. 4a
Apr. 16 - 17	Diversity and Community Similarity Desert Community Paper "Workshop"	Sec. 5b
Apr. 23 - 24	Population Growth Analysis	Sec. 4b
Apr. 30 – May 1	Community Succession	Sec. 5d
May 7 - 8	<i>OPEN LAB: Desert Community Paper Discussion</i>	

¹Brower, Zar & von Ende, 1998. Field and laboratory methods for general ecology, 4th ed. McGraw-Hill

²Knisely, K. A student handbook for writing in biology. 3rd Ed. Sinauer/Freeman Co. (esp. Chapters 4 & 5)

³McMillan, V. E. 2012. Writing papers in the biological sciences, 5th Ed. Bedford Publ. (esp. Chapters 5 & 7)

⁴Intertidal field trip (wear appropriate clothes and footwear for getting wet or muddy!)

⁵NOTE: This is a required overnight field trip. Plan Ahead!