

Ecology 2011 Topics

Week/ Module	Date	Topic	Reading	HW
1a	August 30	Introduction	Chapter 1	
1b	September 1	Autecology – Water & Light	Chapters 2 & 3	
2a	September 6	Water & Light Cont.	Chapter 2 & 3	
2b		Graphing		
2c	September 8	Light, energy and heat	Chapter 3	
3a	September 13	Gas Exchange	Chapter 3	
3b		Regression		
3c	September 15	Temperature	Chapter 3	HW 1
4a	September 20	Exponential Growth	Handout	
4b				
4c	September 22	Logistic Growth	Handout	HW 2
5a	September 27	Open		
5b		t-test		
5c	September 29	Metapopulations & Life Tables	Chapters 10, 11	HW 3
6a	October 4	Open		
6b		ANOVA		
6c	October 6	Test 1 - Weeks 1-5c, HW 1-3		
7a	October 11	Fall Break		
7b				
7c	October 13	Symbiosis	Chapter 14	HW 4
8a	October 18	Symbiosis	Chapter 14	
8b				
8c	October 20	Predator-Prey Models	Chapter 15	Bibliography
9a	October 25	Prey Adaptations	Chapter 17	
9b		Image Analysis/GPS		
9c	October 27	Open		HW 5
10a	November 1	Competition (visual)	Chapter 16	
10b				
10c	November 3	Competition (mathematical)	Chapter 16	HW 6
11a	November 8	Communities – Definitions and Structure	Chapter 18	
11b		Chi Square		
11c	November 10	Succession	Chapter 19	HW 7
12a	November 15	Succession	Chapter 19	
12b				
12c	November 17	Energy Flow	Chapter 22	HW 8
13a	November 22	Test 2 - Weeks 1-12a, HW 1-6		
13b				
13c	November 24	Thanksgiving		
14a	November 29	Energy Flow	Chapter 22	HW9
14b				
14c	December 1	Nutrient Flow	Chapters 23, 24	
15a	December 6	Nutrient Flow	Chapters 23, 24	
15b				
15c	December 8	Costa Rica/Guatemala	Chapter 25,26,27	HW 10

Revised 11/10/11

Final – Tuesday December 13, 2011 – 8:30 – 11:00 AM.