

Calendar Agroecology (PLSC405 & 605) Spring 2016

Module	Date	Lecture Topic	Readings/Homework
Agriculture and Abiotic Components in the Farm Field	28-Jan	Syllabus and Intro to Agroecology	Ch 1 & 2 (19 & 12 = 31 pages)
	2-Feb	Intro to Agroecology and Ecosystems	Wezel (2009)
	4-Feb	Plant Physiology and light	Ch 3 & 4 (9 & 13 = 22 pages)
	9-Feb	Temperature, Humidity, and Rainfall	Ch 5 & 6 (13 & 12 = 25 pages)
	11-Feb	Soils 101	Ch 8 (to page 97)
	16-Feb	Soil organic matter and Water in the soil	Ch 8 (to end) and Ch 9
	18-Feb	Nutrient imbalances in agriculture	Galloway et a. 2003, Vitousek et al. 2009, MacDonald et al. 2011
	23-Feb	Midterm I	
	25-Feb	Biotic Factors & Environmental Complex	Ch 11 & 12 (18 pages)
	1-Mar	Heterotrophic organisms	Ch 13 (12 pages) Commentary #1 due
Agriculture and Biotic Components of the Farm Field to Farmscape	3-Mar	Population ecology of agroecosystems	Ch 14 (12 pages)
	8-Mar	Genetic resources in agroecosystems	Ch 15 (18 pages)
	10-Mar	Species interactions in cropping systems	Ch 16 (13 pages)
	15-Mar	Spring Break	
	17-Mar	Spring Break	
	22-Mar	Agroecosystem diversity	Ch 17 (18 pages)
	24-Mar	Disturbance, succession and agroecosystem management	Ch 18 (14 pages)
	26-Mar	FIELD TRIP TO COLUMBIA HEIGHTS GREEN	
	29-Mar	Animals in agroecosystems	Ch 19 (16 pages)
	31-Mar	Landscape Diversity	Ch 21 (9 pages)
Agricultural systems from the Farm to the Landscape and Beyond	5-Apr	Review	
	7-Apr	Midterm II	
	12-Apr	Indicators of sustainability	Ch 23 (14 pages)
	14-Apr	Agriculture, society, and agroecology	Ch 24 (14 pages), commentary #2 due
	19-Apr	Community and culture in remaking the food system	Ch 25 (20 pages)
	21-Apr	From sustainable agroecosystems to food system	Ch 26 (10 pages)
	26-Apr	No class - work on papers	
	28-Apr	FIELD TRIP TO BARC AND FISH FARM	
	3-May	Final Presentations	
	5-May	Final Presentations	
10-May	Final Presentations	last day of classes	