Ecology and Lab

Lecture

Spring 2005

LLL	2/21 & 2/23	Introduction, ecology in practice	Ch. 1
	2/28 & 3/02	Holiday & Evolution and population genetics	Ch. 8
	3/07 & 3/09	Physical environment and physiological ecology	Ch. 4,5,6
	3/14 & 3/16	Social relationship	Ch. 7
	3/21 & 3/23	Population distribution, abundance and dynamics	Ch. 9, 10
	3/28 & 3/30	**Exam 1**	
CLS	4/04 & 4/06	Population growth and life history	Ch. 11, 12
	4/11 & 4/13	Population interaction: competition	Ch. 13
	4/18 & 4/20	Exploitation, Mutualism	Ch. 14,15
	4/25 & 4/27	Community Structure I: Species Diversity	Ch. 16
	5/02 & 5/04	Community Structure II: Food web	Ch. 17
	5/09 & 5/11	**Exam 2**	
LPF	5/16 & 5/18	Ecosystem	Ch.18, 19
	5/23 & 5/25	Succession and Stability	Ch. 20
	5/30 & 6/01	Landscape ecology	Ch. 21
	6/06 & 6/08	Geographical and Global ecology	Ch. 22, 23
	6/13 & 6/15	Biomes	Ch. 2, 3
	6/20 & 6/22	**Exam 3**	

Textbook: Molles, M. C. Jr. 2002. Ecology: concepts and application (2nd ed.). McGraw-Hill Companies, Boston.

Laboratory

3/02	Introduction, habitat analysis - mapping and vegetation, writing report, and scientific presentation (LPF)	**Report 1**
3/09	Field trip to Guandu (LPF)	
3/16	Behavioral observation I (LLL)	
3/23	Introduction of community case study (CLS)	
3/30	Long Term Ecological Research (LLL)	
4/06	Behavioral observation II (LLL)	**Report 2**
4/13	Population distribution (LPF)	
4/20	Population estimation (LPF)	**Report 3**
4/27	Remote sensing and GIS (LPF)	
5/04	Community case study (student)	
5/11	Discussion (CLS)	
5/18	Oral presentation and report (I) (CLS)	
5/25	Oral presentation and report (II) (CLS)	**Report 4**
6/02	Exam	

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