

**ECOL3500/BIOL3500 -- Ecology Syllabus**

Fall Semester 2009

Dr. James I. Richardson, Odum School of Ecology

**Lectures in C-127 Life Sciences Building**

First Period: MWF 8:00 - 8:50 AM

**Schedule of Lectures and Examinations:**

<u>Date</u>		<u>Day</u>	<u>Topic</u>	<u>Reading</u>
Aug.	17	M	1. The Nature of Ecology	Ricklefs 1
	19	W	2. Adaptation to Water and Nutrients	Ricklefs 2
	21	F	3. Adaptation to Light, Energy, and Heat	Ricklefs 3
Aug.	24	M	4. Kangaroo rat	Schmidt-Nielsen paper
	26	W	5. “Catch-up” on lecture	
	28	F	6. Climate, Water, and Soil	Ricklefs 4
Aug.	31	M	7. Biome concept	Ricklefs 5
Sept.	02	W	8. “Catch-up” lecture	
	04	F	9. Evolution and Adaptation	Ricklefs 6
Sept.	07	M	<b>Labor Day - no class</b>	
	09	W	10. Life Histories	Ricklefs 7
	11	F	11. “Catch-up” on lecture	
Sept.	14	M	12. Sex and Evolution	Ricklefs 8
	16	W	13. Family, Society, and Evolution	Ricklefs 9
	18	F	14. “Catch-up” on lecture	
Sept.	21	M	15. Population Structure	Ricklefs 10
	23	W	<b>16. First Quiz on Chapters 1-7 and K-rat</b>	
	25	F	17. Population Growth and Regulation	Ricklefs 11
Sept.	28	M	18. “Catch-up” on lecture	
	30	W	19. Temporal and Spatial Dynamics	Ricklefs 12
Oct.	02	F	20. Population Genetics	Ricklefs 13
Oct.	05	M	21. “Catch-up” on lecture	
	07	W	22. Species Interactions	Ricklefs 14
	09	F	23. Consumer-Resource Dynamics	Ricklefs 15
Oct.	12	M	24. “Catch-up” on lecture	
	14	W	<b>25. Second Quiz on Chapters 8-13</b>	
	16	F	26. Competition	Ricklefs 16

Oct.	19	M	27.	“Catch-up” on lecture	
	21	W	28.	Evolution of Species Interactions	Ricklefs 17
	23	F	29.	Community Structure	Ricklefs 18
Oct.	26	M	30.	“Catch-up” on lecture	
	28	W	31.	Community Dynamics	Ricklefs 19
	30	F		<b>Fall Break - no class</b>	
Nov.	02	M	32.	Landscape Ecology	Ricklefs 25
	04	W	33.	“Catch-up” on lecture	
	06	F	34.	Biodiversity	Ricklefs 20
Nov.	09	M	35.	“Catch-up” on lecture	
	11	W	<b>36.</b>	<b>Third Quiz on Chapters 14-19</b>	
	13	F	37.	Energy Dynamics	Ricklefs 22
Nov.	16	M	38.	“Catch-up” On lecture	
	18	W	39.	Biogeochemical Cycles	Ricklefs 23
	20	F	40.	“Catch-up” on lectures	
Nov.	23	M		<b>Thanksgiving holiday - No class</b>	
	25	W		<b>Thanksgiving holiday - No class</b>	
	27	F		<b>Thanksgiving holiday - No class</b>	
Nov.	30	M	41.	Nutrient Regeneration	Ricklefs 24
Dec.	02	W	42.	“Catch-up“ on lecture	
	04	F	43.	“Wrap-up” lectures	
Dec.	07	M	44.	“Wrap-up” lectures	
	08	T	45.	Review	
Dec.	10	R		<b>FINAL EXAM</b>	<b>50% Chapters 20 and 22-25</b>
					<b>50% Comprehensive</b>

Deadline for course withdrawal (**WP**) is Thursday, **22 October**. A withdrawal with failure (**WF**) is mandated by the University for an unexcused withdrawal after 5:00 PM on 22 October for any University of Georgia course. You will receive an estimated midterm grade to assess your progress on Monday morning, **19 October**, before the withdrawal deadline at 5:00 PM on 22 October.

#### Grading schedule (1200pts; 100%)

<u>Item</u>	<u>Points</u>	<u>Percentage</u>	<u>Date</u>
First quiz	158	13 %	September 23
Second quiz	158	13 %	October 14
Third quiz	158	13 %	November 11
Final exam	326	27 %	December 10 (8:00-11:00 AM)
Laboratory	<u>400</u>	<u>33 %</u>	TBA