

BIOLOGY 315: ECOLOGY

COURSE INFORMATION

INSTRUCTOR: Dr. Michael Collins
Phone: 843-3557
Office: FJ 106-W
collinsm@rhodes.edu

LECTURE: TTh 9:30 – 10:45 (Kennedy 104)
LAB: Th 12:30 – 3:30 (FJ 145-W)
Office hours by appointment
Email is the best way to contact me.

TEXTBOOK: Cain, Bowman, and Hacker. 2011. Ecology, 2e. Sinauer Associates, Inc.
ISBN 978-0-87893-083-8

TEXT WEBPAGE: <http://www.sinauer.com/ecology2e>

CLASS SCHEDULE

Week	Day	Date	Topic	Reading	Assign.
1	Th	25 AUG	1. Introduction: the science of ecology	1	
2	T	30 AUG	2. Climate & the physical environment	2	Quiz 1
	Th	1 SEP	3. Biomes, temperature, & water	3-4	
3	T	6 SEP	4. Environmental variation: energy	5	Quiz 2
	Th	8 SEP	5. Evolution & ecology	6	
4	T	13 SEP	6. Life history	7	Quiz 3
	Th	15 SEP	7. Population distribution & abundance	8	
5	T	20 SEP	8. Review	---	EXAM 1
	Th	22 SEP	9. Population growth	9	
6	T	27 SEP	10. Population dynamics	10	Exam due
	Th	29 SEP	11. Competition	11	
7	T	4 OCT	12. Predation	12	Quiz 5
	Th	6 OCT	13. Dynamics of predation	12	
8	T	11 OCT	14. Parasitism	13	Quiz 6
	Th	13 OCT	15. Mutualism & commensalism	14	
9	T	18 OCT	16. <i>NO CLASS – FALL BREAK</i>		Quiz 7
	Th	20 OCT	17. The nature of communities	15	
10	T	25 OCT	18. Review	---	EXAM 2
	Th	27 OCT	19. Community change & stability	16	
11	T	1 NOV	20. Biogeography	17	Exam due
	Th	3 NOV	21. Species diversity in communities	18	
12	T	8 NOV	22. Productivity	19	Quiz 9
	Th	10 NOV	23. Review	---	
13	T	15 NOV	24. Energy flow & food webs	20; p. 272	EXAM 3
	Th	17 NOV	25. Conservation biology	22	
14	T	22 NOV	26. Conservation biology	TBA	Exam due
	Th	24 NOV	27. <i>NO CLASS – THANKSGIVING BREAK</i>		
15	T	29 NOV	28. Landscape ecology & ecosystem management	23	Quiz 10
	Th	1 DEC	29. Global ecology	24	
16	T	6 DEC	30. Review & summary	---	

FINAL EXAMINATION: 10 DECEMBER, 5:30 p.m.