

TEXT READINGS IN ECOLOGY (BY 470/570)

T/Th 9:30 a.m. – 10:45 a.m.

2007, Fall

**TEXT: Smith and Smith. 6th Ed. Elements of Ecology
2006, Benjamin Cummings**

		<u>pp. in text</u>
8/23	Introduction	Chapter 1
8/28	The Physical Environment: Climatic Factors	Chapter 3
8/30	The Physical Environment: Biogeochemical and Nutrient Cycles	Chapters 21, 22
9/4	The Physical Environment: Biogeochemical and Nutrient Cycles	Chapters 21, 22
9/6	Energy Flow	Chapter 20
9/11	Energy Flow	Chapter 20
9/13	Energy Flow	Chapter 20
9/18	Biomes	Chapters 23, 24, 25
9/20	TEST	
9/25	Biomes	Chapters 23, 24, 25
9/27	Biomes	Chapters 23, 24, 25
10/2	Population Dynamics	Chapter 9
10/4	Population Dynamics	Chapter 9
10/9	Population Dynamics	Chapter 9
10/11	Population Growth	Chapter 10
10/16	Population Growth	Chapters 10
10/18	TEST	
10/23	Population Regulation	Chapter 11
10/25	Population Interactions; Competition	Chapters 13, 15

10/30	Competition	Chapter 13
11/1	Predator–Prey Interactions	Chapter 14
11/6	Community Ecology: Community Structure	Chapters 16, 17, 18
11/8	TEST	
11/13	Community Ecology: Species Diversity	Chapters 16, 17, 18
11/15	Community Ecology: Succession	Chapters 16, 17, 18
11/20	Natural Selection	Chapter 2
11/22	HOLIDAY	
11/27	Life History Patterns	Chapter 8
11/29	Results of Natural Selection: Animal Defenses	Pages 297–306
12/4	Results of Natural Selection: Animal Defenses	Pages 297–306

FINAL EXAM: Tuesday, December 11, 8:00 a.m. – 10:30 a.m.*

***NOTE**

Office Hours: T–Th; 10:45 a.m. – Noon

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Make-up Exam Policy: Makeups given for legitimate reasons.
Makeups may be in essay form.

Grading/Requirements for BY 470:

Four exams of equal weight

90–100	A
80–89	B
70–79	C
60–69	D
<60	F

Grading/Requirements for BY 570:

4 exams, each 20% of total course grade. Additional 20% of course grade determined by a written field experiment or research paper on an ecological topic. Experiment or topic decided upon consultation with coursemaster.