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Text There is no text that follows the course. Bits of the course are covered in two recommended (not required) texts, but they are often presented in very different ways from the lectures. They also include much more material than the lectures.

MB Bush (2003) *Ecology of a changing planet, 3rd edition*. Prentice Hall.

The best ecology text is: CR Townsend, JL Harper, M Begon (2000) *Essentials of ecology*.

Good popular books referred to in the course are: JM Diamond: *Collapse*, EO Wilson: *The future of life*, M Lynas: *Six degrees*.

Lecture and Lab material will be placed regularly on the Chalk website.

Grading Mid-term 25%; Final 45%; Participation in section meetings 15%; essay 15%.

Lecture	Townsend	Bush	Section
January 7, 2008 Introduction			Reading materials out
January 9, 2008 Population growth	pp.188-195	ch. 8	
January 11, 2008 Human population growth	ch.12	ch. 10	
January 14, 2008 Human population growth			Discussion of readings
January 16, 2008 Population regulation	ch.5,12	ch. 8, 14	
January 18, 2008 Species interactions: Competition	ch.6	ch. 8	
January 21, 2008 NO LECTURE (MLK day)			Parakeets
January 23, 2008 Predation, Food webs	ch.8	ch. 9	
January 25, 2008 Disease, Parasitism	ch.8	ch. 25	
January 28, 2008 Disease, Natural selection Weeds, pathogens and pests in			Parakeet surveys
January 30, 2008 agriculture	ch.12		
February 1, 2008 Genetic engineering	ch.12		
February 4, 2008 Value of species			Parakeet analysis
February 6, 2008 Biodiversity through time	ch.10	ch. 3	
February 8, 2008 Biodiversity in space; endemism			
February 11, 2008 Harvesting: state of the oceans		ch.14	No meeting
February 13, 2008 MIDTERM			
February 15, 2008 NO LECTURE (college break)			
February 18, 2008 Reserve design			Essay requirement
February 20, 2008 State of the oceans (movie)			
February 22, 2008 Forests	ch.14	ch.18	
February 25, 2008 Endangered species; salmon etc	ch.14		Island biogeography
February 27, 2008 Invasive species	ch.14		
February 29, 2008 Pollution			
March 3, 2008 Climate change	ch.13	ch.17	Discussion of readings,
March 5, 2008 Climate change			Essay in.
March 7, 2008 Climate change			
March 10, 2008 China			
March 12, 2008 Prospectus			