

GEOGRAPHY/ENVIRONMENTAL STUDIES 1150FA / 1170FA

The Environment

Content Current environmental issues will be examined using a geographical approach that stresses the interrelationships between environments and societies. Such issues are seldom completely new, but have evolved over decades or even centuries. A short overview of the various issues and approaches to resolving them will allow students to place environmental issues within a historical framework. The major physical and societal components of the earth/atmosphere system will then be considered to provide a base for the understanding of the nature and development of modern environmental concerns. The causes, characteristics and impacts of specific environmental problems will be examined to explore potential solutions through consideration of such elements as technology, politics, economics and planning and management.

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Text Dearden, Philip and Mitchell, Bruce (2016). *Environmental Change and Challenge* (5th Edition), Oxford University Press, Don Mills, Ontario, Canada

Classes Tuesdays and Thursdays 4:00pm – 5:30pm (UC 2011)

Labs 1170 Geography Majors Fridays 8:30am – 11:30am (RC 2003)
1170 NRMT Majors Fridays 2:30pm – 5:30pm (BB 2006)

1150 MARK ASSESSMENT

<i>Midterm Exam 1</i>	25%
<i>Midterm Exam 2</i>	25%
<i>Final Exam</i>	50%

1170 MARK ASSESSMENT (Those enrolled in Lab Component)

<i>Midterm Exam 1</i>	15%
<i>Midterm Exam 2</i>	15%
<i>Final Exam</i>	30%
<i>Lab Assignments</i>	40%

FALL TERM 2016 (subject to some adjustment)

Week 1 (Sept. 6 & 8)	Environment, Resource and Society (Chapter 1)
Week 2 (Sept. 13 & 15)	Environmental Systems Thinking (Chapter 1)
Week 3 (Sept. 20 & 22)	The Ecosphere: Energy flows and Ecosystems (Chapter 2)
Week 4 (Sept. 27 & 29)	The Ecosphere: Abiotic and Biotic Components (Chapter 2)
Week 5 (Oct. 4 & 6)	Midterm Review and Exam 1
Week 6 (Oct. 11 & 13)	Ecosystems are Dynamic: Ecological Succession (Chapter 3)
Week 7 (Oct. 18 & 20)	<i>(Fall Study Break: No Classes)</i>
Week 8 (Oct. 25 & 27)	Ecosystems are Dynamic: Changing Ecosystems (Chapter 3)
Week 9 (Nov. 1 & 3)	Ecosystems and Matter Cycling: Biogeochemical Cycles (Chapter 4)
Week 10 (Nov. 8 & 10)	Ecosystems and Matter Cycling: Biogeochemical Cycles (Chapter 4)
Week 11 (Nov. 15 & 17)	Midterm Review and Exam 2
Week 12 (Nov. 22 & 24)	Environmental Impact Assessment (Chapter 5)
Week 13 (Nov. 29 & Dec.1)	Planning and Management: Processes and Methods (Chapter 6)