UES 110A
SUSTAINABILITY: The American South & The World
Birmingham-Southern College
Fall 2017

Instructor: William Holt, Ph.D./J.D.   Office: Harbert 203C
Course: Tuesdays/Thursdays   Telephone: (205) 226-4834
        Time: 12:30 PM - 1:50 PM   Office Hours: Mondays/
Location: Harbert 228   Wednesdays, 9 AM-11AM;
E-Mail: wholt@bsc.edu   or by appointment

COURSE DESCRIPTION
This seminar focuses on urban sustainability in a comparative perspective from the American South to the Global North and South. Originally an agriculturally dominated region, the post-Civil War American South cities developed around industry. Today, the American South's urban areas are some of the largest and fastest growing in the United States. The Global North represents urban areas in North America and Europe. These urban regions emerged with the Industrial Revolution. Urban areas in the Global South represent some of the world's most rapidly developing cities in Central and South America, Asia and Africa.

The seminar begins with an examination of the origins of sustainable development and various perspectives around this topic. The second part of the seminar looks at various concepts within urban sustainability: land use and urban design, transportation, urban ecology, energy, environmental justice, economic development and green building. The third section examines tools for sustainable planning while the fourth part focuses on international differences in the Global North and South. The seminar concludes by exploring possible future societies based on sustainable development.

COURSE LEARNING OUTCOMES
Upon completion of this course, the student will be able to do the following:
● Demonstrate competency on key issues and topics in sustainable
   development.
● Think critically about contemporary sustainable development issues within a
   comparative context among the American South, Global South and Global
   North
● Conduct independent research and data analysis through library resources
   needed to develop a research paper comparing a sustainable development
   concept as a solution to a planning problem.
● Develop oral skills through class presentation of term research project.

GLOBAL PERSPECTIVES (GP) STUDENT LEARNING OUTCOMES
As a GP course students will be able to:
● Examine an element of global complexity in relation to aesthetic, cultural, geographic, historical, political, economic, societal, religious, or philosophical perspectives appropriate to the discipline
● Identify cultural differences among peoples within a world community
● Demonstrate how world views are shaped by fundamental differences in cultural values

GENERAL EXPECTATIONS
●Attend all classes and always arrive for class on time.
●Complete readings and assignments on time.
●Ask questions and participate actively and effectively in regular class meetings.
●Treat everyone in the class with respect, regardless of their viewpoints.

REQUIRED TEXTS
The following texts are required for this course:

American Sociological Association (ASA). 2014. *ASA Style Guide.* 5th ed. Washington, D.C.: ASA.
Wheeler, Stephen M., and Timothy Beatley, eds. 2015. *The Sustainable Development Reader.* 3rd ed. London: Routledge.

These texts are available in the BSC Bookstore. Other materials indicated by an asterisk (*) on the syllabus are available electronically on Moodle.

GRADING & EVALUATIONS
Grading
You will receive a numerical score for each grade. The course will use the BSC grading scale (listed below) for all assignments and your term grade.

BSC Grading Scale

A	100-93		C	76-73
A-	92-90		C-	72-70
B+	89-87		D+	69-67
B	86-83		D	66-60
B-	82-80		F	59 & below
C+	79-77			

<u>Assignment Deadlines</u>

Exam One	Tuesday, September 19
Annotated Bibliography	Thursday, October 19
Exam Two	Thursday, October 26
Research Paper	Thursday, November 9
Exam Three	Tuesday, December 5, 1PM-4PM

<u>Evaluation</u>
Your final grade in this course will be arrived on the basis of an average of your grades for the required components of the course, weighted, as spelled out below. Each assignment and activity will first be scored from 0 to 100 points. Required work not submitted will be scored as 0. Then your score for each component will be multiplied by a weighting factor to yield the points for that component. The total points will be your average for the course.

% of <u>Final Average</u>	<u>Component</u>	Grade <u>0-100 pts.</u>	Weighted <u>Factor</u>	<u>Points</u>
10%	Class Participation	_____	.10	_____
15%	Exam One	_____	.15	_____
15%	Exam Two	_____	.15	_____
15%	Exam Three	_____	.15	_____
10%	Annotated Bibliography	_____	.10	_____
35%	Research Paper	_____	.35	_____
100%	FINAL AVERAGE=TOTAL WEIGHTED POINTS			_____

<u>Class Participation</u>
Class participation and interaction with instructors and students is one of the hallmarks of liberal arts education. This particular class is no different. Some of the concepts we will explore may be difficult to grasp at first; if every member of the class contributes and asks questions from a variety of perspectives, our learning experience will be enhanced. To participate actively means that you are engaging in readings, which will help you prepare for tests and exams.

Expectations for class participation:
• You should strive to contribute at least once in each class period.
• Participation will be judged on the quality and depth of your contribution and not just on how often you speak.

• When interactive activities are scheduled, make sure to prepare adequately so that you are able to participate in a well-informed manner.
**If you are uncomfortable speaking in class, would like me to call on you, or would like to discuss how you can contribute more effectively please contact me so we can discuss this as soon in the semester as possible.

Attendance
Class attendance is expected as part of your enrollment in this course. An attendance list will be distributed at each class. It is your responsibility to sign this list each class. This list will serve as your official attendance record for class. Students who are absent three days in succession will be reported to Student Affairs. Absences due to illness, family emergency or participation in a BSC-sponsored activity are considered excused but will require documentation. If you miss an in-class exam, you should expect to make up this work within a week of the class date.

Exams
The class includes three exams with each counting 15% of your term grade. The in-class exams allow you to demonstrate your knowledge of class readings, lectures, and other materials. You will receive exam review sheets a week prior to each exam. It is your responsibility to utilize these study guides. The class prior to each exam you will have a review period in which we will discuss any questions you have from these guides. You should not review old exams in your study preparation.

Research Project
In order for you to obtain experience with research and writing, you will develop a paper examining an issue concerning sustainable development. This project requires you to examine this issue in three urban areas: the American South, the Global North and the Global South. You will develop this paper over the term beginning with an annotated bibliography counting 10% of your term grade and culminating in your research paper totaling 35% of your term grade.

OTHER IMPORTANT ASPECTS OF THE COURSE
Backup
To avoid problems that arise when computers crash, laptops are broken or stolen, or pets consume the only existing paper copy of your assignment, obtain a flash or external hard drive on which to back up your work. I would suggest that you have 10 GB or more of storage space on your flash/hard drive, and that you consider obtaining more than one so that you can make multiple copies of your work.

Moodle
It is vital for you to familiarize yourself with Moodle for this course as soon as possible. We will use Moodle throughout the semester for posting readings and

announcements. Moodle is accessible via a link at the bottom of the BSC homepage http://www.bsc.edu.

Late Assignments
Assignments that are not accompanied by a valid excuse (e.g. illness or family emergency) will lose 10% of their graded value for each day they are late. For example, an assignment that received a 98 out of 100 points, but was turned in one day late would be graded as an 88 losing ten points for lateness.

BSC Honor Code
All assignments will follow the guidelines established under the BSC Honor Code. Plagiarism and Cheating are serious offenses and will be reported to the Honor Council. Appropriate penalties will be assigned for work that does not meet the standards of academic integrity. Please refer to your copy of the Honor Code as well as the following sources on plagiarism: http://plagiarism.org/index. Html and http://www.turnitin.com.

BSC Resources for Writers
The Writing Center, located in the Humanities Center 102, offers one-on-one consultation with student writers. The Writing Center serves all writers, in any BSC course, at all levels and at all points in the writing process. Peer tutors spend thirty minutes to an hour per appointment, and there is no limit to the number of tutoring sessions you can have. Drop in during regular hours (M-Thurs, 3:30-10 or Sunday 5-10) or email writingcenter@bsc.edu to make an appointment. Visit the Writing Center website at http://www.bsc.edu /academics/arc/writing.cfm for more information.

Academic Accommodation
If you are registered for accommodations/ academic adjustments, please make an appointment with me as soon as possible to discuss accommodations/ academic adjustments that may be necessary. During this discussion, you are not expected to disclose any details concerning your disability, though you may discuss these details at your discretion. If you have a disability but have not contacted Angie Smith, the Coordinator for Academic Accessibility at BSC, please call 226-7909 or visit Student Development on the second floor of Norton Center to initiate the process. You may also contact her at awsmith@bsc.edu if you have any questions or need more information. Her office hours are Tuesdays, Wednesdays, and Thursdays 8:30-4:30 or Mondays and Fridays, by appointment.

COURSE OUTLINE

PART ONE: ORIGINS OF THE SUSTAINABILITY CONCEPT

	Introduction: Urban Sustainability: US South & The World
August 24	"Introduction." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 1-10.
	Sustainability Concepts
August 29	Field Trip-Southern Environmental Center (SEC) at BSC Class meets at SEC.
August 31	Howard, Ebenezer. 1898. "The Three Magnets and the Town-Country Magnet." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 11-18.
	Mumford, Lewis. 1938. "Cities and the Crisis of Civilization." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 19-23.
September 5	Leopold, Aldo. 1949. "The Land Ethnic." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 24-33.
	McKibbon, Bill. 1989. "The End of Nature." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 71-78.
	McHarg, Ian. 1969. "Plight and Prospect." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 39-44.
	Frank, Andre Gunder. 1967. "The Development of Underdevelopment." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 45-49.
September 7	World Commission on Environment and Development. 1987. "Towards Sustainable Development." In Stephen M. Wheeler and Timothy Beatley, eds. 2009. *The Sustainable Development Reader.* 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 66-70.
	United Nations. 1992. "The Rio Declaration on Environment and Development Agenda." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable*

Development Reader. 3rd ed. London: Routledge, pp. 79-84.

United Nations. 2000. "Millennium Development Goals and Declaration." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 84-86.

September 12   Jacobs, Jane. 1961. "Orthodox Planning and the North End." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 34-38.

EBSCO Industries. 2012. The Town of Mt. Laurel. http://www.mtlaurel.com*

Class Speaker: Rip Weaver, Aldridge Gardens

September 14   Meadows, Donella H., Dennis L. Meadows, Jorgen Randers, and William W. Beherns III. 1972. "Perspectives, Problems, and Models." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 50-54.

Daly, Herman E. "The Steady-State Economy." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 55-60.

September 19   **Exam One – in class**

September 21   **Library Workshop**
Class Meets at BSC Library, Ground Floor Computer Room. Assignment distributed.

PART TWO: DIMENSIONS of SUSTAINABLE URBAN DEVELOPMENT
September 26   <u>Land Use and Urban Design</u>
September 28   Davis, Harold E. 1990. *Henry Grady's New South: Atlanta, A Brave & Beautiful City.* Tuscaloosa: University of Alabama Press, pp. 164-191*.

Hemphill, Paul. 1993. *Leaving Birmingham: Notes of a Native Son.* New York: Viking, pp. 1-73.*

October 3   Calthorpe, Peter. 1993. "The Next American Metropolis." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 119-129.

Jan, Gehl. 1980. "Outdoor Space and Outdoor Activities." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 146-150.

Wheeler, Stephen M. 2002. "Infill Development." In Stephen M. Wheeler and Timothy Beatley, eds. 2014.

The Sustainable Development Reader. 3rd ed.
London: Routledge, pp. 138-145.

October 5   **Fall Break-class does not meet**

October 10   <u>Climate Change Planning</u>

Bulkeley, Harriet, *et al.* 2012. "Towards Low Carbon
Urbanism." In Stephen M. Wheeler and Timothy
Beatley, eds. 2014. *The Sustainable Development
Reader.* 3rd ed. London: Routledge, pp.101-106.

Pacala, Stephen, and Robert Socolow. 2004. "Stabilization
Wedges: Solving the Climate Problem for the Next
Fifty Years with Current Technologies. In Stephen M.
Wheeler and Timothy Beatley, eds. 2014. *The
Sustainable Development Reader.* 3rd ed.
London: Routledge, pp. 93-100.

Solecki, William, *et al.* "The Urbanization of Climate Change:
Responding to a New Global Challenge. In Stephen
M. Wheeler and Timothy Beatley, eds. 2014.
The Sustainable Development Reader. 3rd ed.
London: Routledge, pp. 107-116.

October 12   <u>Transportation</u>

Cervero, Robert. 1998. "Transit and the Metropolis: Finding
Harmony." In Stephen M. Wheeler and Timothy
Beatley, eds. 2014. *The Sustainable Development
Reader.* 3rd ed. London: Routledge, pp. 153-160.

Newman, Peter, and Jeffrey Kenworthy. 1999. "Traffic
Calming." In Stephen M. Wheeler and Timothy
Beatley, eds. 2014. *The Sustainable Development
Reader.* 3rd ed. London: Routledge, pp. 161-167.

Pucher, John, and Ralph Buehler. 2008. "Cycling for
Everyone: Lessons from Europe." In Stephen
M. Wheeler and Timothy Beatley, eds. 2014.
The Sustainable Development Reader. 3rd ed.
London: Routledge, pp. 168-178.

October 17   <u>Environmental Planning and Restoration</u>

Beatley, Timothy. 2011. "Biophillic Cities." In Stephen M
Wheeler and Timothy Beatley, eds. 2014.
The Sustainable Development Reader. 3rd ed.
London: Routledge, pp. 181-183.

Riley, Ann L. 1998. "What is Restoration?" In Stephen M.
Wheeler and Timothy Beatley, eds. 2014.
The Sustainable Development Reader. 3rd ed.
London: Routledge, pp. 184-189.

Steiner, Frederick. 2011. "Landscape Ecological Urbanism."
In Stephen M. Wheeler and Timothy Beatley, eds.
2014. *The Sustainable Development Reader.* 3rd ed.
London: Routledge, pp. 190-194.

October 19 Energy and Materials Use

Brown, Lester. 2011. "Harnessing Wind, Solar and Geothermal Energy." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 205-213.

Giradet, Herbert. 1999. "The Metabolism of Cities." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 197-204.

Gleick, Peter H. 2000. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 214-223.

Lyle, John Tillman. 1984. "Waste as a Resource." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 224-231.

Annotated Bibliography-due in class

October 24 Social Equity and Environmental Justice

Bullard, Robert, 1990. "People of Color Environmentalism." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 235-241.

Hayden, Delores. 2002. "Domesticating Urban Space." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 242-247.

Perlman, Janice and Molly O'Meara Sheehan. 2007. "Fighting Poverty and Environmental Injustice in Cities." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 248-259.

October 26 **Exam Two – in class**

October 31 Economic Development

Pearce, David, and Edward Barbier. 2000. "The Economic System and Natural Environments. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 263-268.

Hawken, Paul. 1997. "Natural Capitalism." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.276-284.

Korten, Michael C. 1996. 'Preparing for a New Economic Era." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 269-275.

Shuman, Michael. 1998. "Import Replacement." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 285-292.

Renner, Michael. Et al. 2008. "Green Jobs". In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 304-308.

Roseland, Mark, and Lena Soots. 2007. "Strengthening Local Economies." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 293-303.

November 2   <u>Green Architecture and Building</u>
*The Greenhouses Effect-*presentation in class.

Eisenberg, David, and Peter Yost. 2001. "Sustainability and Building Codes. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 323-327.

McDonough, William. 1993. "Design, Ecology, Ethics and the Making of Things." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 311-317.

Sharp, Leith. 2009. "The Ten Commandments of Cost-Effective Green Building Design. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.334-336.

U.S. Green Building Council. 2006. "The LEED Green Building Rating System." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.328-333.

Vale, Brenda, and Robert Vale. 1991. "Principles of Green Architecture." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 318-322.

November 7   <u>Food Systems and Health</u>
Frumkin, Howard, *et al.* "Physical Activity, Sprawl and

Health." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 351-358.

Honore, Carl. 2004. "Slow is Beautiful." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 359-63.

Pollan, Michael. 2010. "The Food Movement , Rising." 2010. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.339-343.

Shiva, Vandana. 2000. "The Hijacking of the Global Food Supply." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 344-350.

PART THREE: SUSTAINABLE PLANNING TOOLS & POLITICS

November 9

Hsu, Jessica. 2013. "For Planners, Investment in Social Media Pays Dividends." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.389-391.

Jacobs, Allan. "Seeing Change." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 384-388.

Leonard, Annie. 2012. "The Story of Change." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 406-408.

Lerner, Michael. 1993. "A Progressive Politics of Meaning." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 400-406.

Macclaren, Virginia. 1996. "Urban Sustainability Reporting." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 367-374.

Svedin, Uno, *et al.* 2001. "Multilevel Governance for the Sustainability Transition." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.392-399.

Wackernagle, Mathis, and William Rees. 1996. "What is an Ecological Footprint?' In Stephen M. Wheeler and

Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 375-383.
Research Papers due in class

PART FOUR: SUSTAINABLE DEVELOPMENT INTERNATIONALLY
<u>The Global North and South</u>

November 16   Beatley, Timothy. 2013. "Planning for Sustainability in European Cities." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 422-431.

Hsiano, Hsin-Huang, *et al.* 2002. "Collective Action Towards a Sustainable City." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 432-446.

Rabinovitch, Jonas, and Josef Leitman. 1996. "Urban Planning in Curitiba." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 411-421.

Honey, Martha. 2003. Protecting Eden: Setting Green Standards for the Tourism Industry. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 468-475.

Hope, Kemper Ronald. 2011. "Climate Change in the Context of Urban Development in Africa." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 462-467.

Iracheta, Alfonso. 2013. "Sustainable Cities: Crisis and Opportunity in Mexico." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 457-461.

Wu, Kang-Li. 2013. "Sustainable Urban Development in China." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 447-456.

November 21   **THANKSGIVING BREAK – class does not meet**
November 23

PART FIVE: VISIONS OF SUSTAINABLE COMMUNITY

<u>What's the Possible Future?</u>

November 28   Callenbach, Ernest. 1975. The Streets of Ecotopia's Capital and Car-less Driving in Ecotopia's New Towns. In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.481-490.

Le Guin, Ursala K. 1974. Description of Abbenay." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp. 487-490.

Wheeler, Stephen M. 2008. "The View from the Twenty-Third Century." In Stephen M. Wheeler and Timothy Beatley, eds. 2014. *The Sustainable Development Reader.* 3rd ed. London: Routledge, pp.491-494.

December 5   **Exam Three-during BSC scheduled exam period,**
(Tuesday)   **1PM – 4PM**