

## URP 6409: Sustainable Community Development

Summer 2020

Instructor: Dr. Madeline Brown, [madelinebrown@ufl.edu](mailto:madelinebrown@ufl.edu)

Office hours: By appointment

### Course Overview

This course explores the range of planning and development processes associated with creating sustainable communities, that is places that evidence respect environmental values, that do not exploit natural resources, that are accessible to all citizens, and that ensure a high quality of life for current and future residents. The use of sustainable community planning in this context ranges in scale from individual buildings, to collections of buildings and spaces within neighborhoods or larger collections of neighborhoods, as well as planning at the city and regional levels. A great many of the examples of sustainable community development in this course draw upon recent experiments in developed regions of North America, Europe, and sections of Asia. But there are also emerging sustainable community practices in developing nations that are an important part of the current movement.

The course examines the various components of sustainable community planning, such as land use, transportation, ecological planning, green design in the built environment, resource utilization in the critical areas of water and energy consumption, climatic factors that influence sustainable community planning, and how sustainable community planning contributes to livability and economic resilience. The intent of the course is to demonstrate that sustainability must be approached from a systems perspective, where the interactions between the built and natural environments create opportunities to advance the quality of urban and community life. Moreover, we examine the social and environmental justice aspects of sustainable development and green urbanism. We will draw on readings from urban and regional planning, anthropology, socioecological systems science, and political ecology to assess sustainable development and planning at multiple scales and across diverse global contexts.

### Course Objectives

At the conclusion of this course, you should be able to:

- Define the meaning of, and provide examples of, sustainable planning practices and green urbanism.
- Understand how land use and transportation planning and policies affect sustainable community development in diverse contexts.
- Understand resource use and system dynamics across built and natural environments.
- Be fluent in critiques of sustainable development and understand viable alternative strategies.
- Have knowledge of best practices of sustainable community development in various regions of the world, as defined by diverse stakeholders.
- Understand how government policies contribute and influence to sustainable community development.
- Identify characteristics of building design and construction that contribute to sustainable communities.
- Analyze and assess the various evaluation systems for sustainability practices in the built and natural environments.

### Required Texts

- Timothy Beatley, ed., *Green Cities of Europe: Global Lessons on Green Urbanism* (2012, Island Press)
  - Available online through UF libraries (login with VPN from off-campus)
- Newman, P., & Matan, A. (2013). *Green Urbanism in Asia: The emerging green tigers*. World Scientific.
  - Available online through UF libraries (login with VPN from off-campus)
- Mark Roseland, *Toward Sustainable Communities: Solutions for Citizens and Their Governments*, 4th edition (2012, New Society Publishers)

### Grading and Assignments

Discussion posts = 35%

Case study project (paper and presentation on city of choice) = 35%

Final exam = 30%

### Course Outline

Dates	Module	Discussion Post Assignments	Other Assignments	Reading
May 11 - 17	Module 1: Intro to sustainability thinking and theory	Discussion Post and Response		Roseland: Preface and Part 1 Dobbelt 2009
May 18 - 24	Module 2: Defining sustainable communities	Discussion Post and Response		Roseland: chapter 14 GCE: Introduction

				GUA: Introduction, Chapter 2
May 25 - 31	Module 3: Land Use Planning Strategies	Discussion Post and Response	Choose case study city	Roseland: Chapters 9-10 GCE: Freiburg and Paris GUA: Chapter 5
June 1 - 7	Module 4: Transportation Systems	Discussion Post and Response		Roseland: Chapter 8 GCE: Copenhagen GUA: Chapter 9
June 8 - 14	Module 5: Energy and Waste Systems	Discussion Post and Response		Roseland: Chapters 5, 7 GCE: Venice GUA: Chapters 3-4
June 15 - 21	Module 6: Ecological Systems	Discussion Post and Response	City project check-in	Roseland: Chapter 4 GCE: Helsinki GUA: Chapters 6-7
June 22 - 28	Module 7: Designing green buildings, infrastructure, and cities	Discussion Post and Response		Roseland: Chapter 11 Caprotti 2014 Meerow and Newell 2017 Schuetze and Chelleri 2015
June 29 – July 5	Module 8: Governance and environmental justice	Discussion Post and Response		Roseland: Chapters 12, 15 Checker 2011 Anguelovski et al. 2018
July 6 – July 12	Module 9: Green Urbanism	Discussion Post and Response		McCann 2017 Lehmann 2011 Ng 2019
July 13 – July 19	Module 10: Participatory Development	Discussion Post and Response	City presentation due	Roseland: Chapters 16, 17 GCE: Vittoria-Gasteiz Fraser et al. 2006
July 20 – July 26	Module 11: Slow Food/Slow Cities – “Sense of Place” and sustainability	Discussion Post and Response		GUA: Chapter 8 Pink and Servon 2013 Mayer and Knox 2006
July 27 – August 2	Module 12: Sustainability Models for the Future – Smart Cities	Discussion Post and Response	City paper due	GCE: London Silva et al. 2018 Anthopoulos 2016
August 3 – August 7	Exam week		Final essay exam	

### Important Information

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### Course Evaluations

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open the last few weeks of the semester.

### Student Support

#### Health and Wellness

- U Matter, We Care: If you or a friend is in distress, please contact [umatter@ufl.edu](mailto:umatter@ufl.edu) or 352 392- 1575 so that a team member can reach out to the student.
- Counseling and Wellness Center: <https://counseling.ufl.edu/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.
- Sexual Assault Recovery Services (SARS)
- Student Health Care Center, 392-1161.
- University Police Department, 392-1111 (or 9-1-1 for emergencies). <http://www.police.ufl.edu/>

#### Academic Resources

- E-learning technical support, 352-392-4357 (select option 2) or e-mail to [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu). <https://lss.at.ufl.edu/help.shtml>.
- Career Connections Center, Reitz Union, 392-1601. Career assistance and counseling. <https://career.ufl.edu/>

- Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <http://teachingcenter.ufl.edu/>
- Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>
- On-Line Students Complaints: <http://distance.ufl.edu/student-complaint-process/>
- Writing and developing good habits as related to writing and editing is a challenge. There are opportunities at UF to help students develop these skills. Please take advantage of these opportunities. See <https://writing.ufl.edu/writing-studio/>

#### Honor Code:

Work submitted for this course should follow the University of Florida student Honor Code: <https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

#### Course Bibliography

- Anguelovski, Isabelle, James Connolly, and Anna Livia Brand. "From Landscapes of Utopia to the Margins of the Green Urban Life: For Whom Is the New Green City?" *City* 22, no. 3 (May 4, 2018): 417–36. <https://doi.org/10.1080/13604813.2018.1473126>.
- Anthopoulos, Leonidas. "Smart Utopia VS Smart Reality: Learning by Experience from 10 Smart City Cases." *Cities* 63 (March 2017): 128–48. <https://doi.org/10.1016/j.cities.2016.10.005>.
- Caprotti, Federico. 2014. "Critical Research on Eco-Cities? A Walk through the Sino-Singapore Tianjin Eco-City, China." *Cities* 36 (February): 10–17. doi:[10.1016/j.cities.2013.08.005](https://doi.org/10.1016/j.cities.2013.08.005).
- Checker, Melissa. 2011. "Wiped Out by the 'Greenwave': Environmental Gentrification and the Paradoxical Politics of Urban Sustainability: Wiped Out by the 'Greenwave.'" *City & Society* 23 (2): 210–229. doi:[10.1111/j.1548-744X.2011.01063.x](https://doi.org/10.1111/j.1548-744X.2011.01063.x).
- Fraser, Evan D.G., Andrew J. Dougill, Warren E. Mabee, Mark Reed, and Patrick McAlpine. 2006. "Bottom up and Top down: Analysis of Participatory Processes for Sustainability Indicator Identification as a Pathway to Community Empowerment and Sustainable Environmental Management." *Journal of Environmental Management* 78 (2): 114–127. doi:[10.1016/j.jenvman.2005.04.009](https://doi.org/10.1016/j.jenvman.2005.04.009).
- Lehmann, Steffen. 2011. "Transforming the City for Sustainability: The Principles of Green Urbanism." *Journal of Green Building* 6 (1): 104–113. doi:[10.3992/jgb.6.1.104](https://doi.org/10.3992/jgb.6.1.104).
- Mayer, Heike, and Paul L. Knox. 2006. "Slow Cities: Sustainable Places in a Fast World." *Journal of Urban Affairs* 28 (4): 321–334. doi:[10.1111/j.1467-9906.2006.00298.x](https://doi.org/10.1111/j.1467-9906.2006.00298.x).
- McCann, Eugene. 2017. "Mobilities, Politics, and the Future: Critical Geographies of Green Urbanism." *Environment and Planning A: Economy and Space* 49 (8): 1816–1823. doi:[10.1177/0308518X17708876](https://doi.org/10.1177/0308518X17708876).
- Meerow, Sara, and Joshua P. Newell. "Spatial Planning for Multifunctional Green Infrastructure: Growing Resilience in Detroit." *Landscape and Urban Planning* 159 (March 2017): 62–75. <https://doi.org/10.1016/j.landurbplan.2016.10.005>.
- Ng, Mee Kam. "Governing Green Urbanism: The Case of Shenzhen, China." *Journal of Urban Affairs* 41, no. 1 (January 2, 2019): 64–82. <https://doi.org/10.1080/07352166.2016.1271623>.
- Pink, Sarah, and Lisa J Servon. 2013. "Sensory Global Towns: An Experiential Approach to the Growth of the Slow City Movement." *Environment and Planning A: Economy and Space* 45 (2): 451–466. doi:[10.1068/a45133](https://doi.org/10.1068/a45133).
- Schuetze, Thorsten, and Lorenzo Chelleri. "Urban Sustainability Versus Green-Washing—Fallacy and Reality of Urban Regeneration in Downtown Seoul." *Sustainability* 8, no. 1 (December 30, 2015): 33. <https://doi.org/10.3390/su8010033>.
- Silva, Bhagya Nathali, Murad Khan, and Kijun Han. "Towards Sustainable Smart Cities: A Review of Trends, Architectures, Components, and Open Challenges in Smart Cities." *Sustainable Cities and Society* 38 (April 2018): 697–713. <https://doi.org/10.1016/j.scs.2018.01.053>.