

# UW

UNIVERSITY OF WASHINGTON

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Department of Urban Design and Planning

**Title:** Introduction to Land Use, Growth Management and Environmental Planning (UrbDP 598F/450, 3 credits)  
**Class:** Mondays and Wednesdays, noon-1:20 pm  
Gould 102  
**Quarter:** Autumn, 2012  
**Instructor:** So-Ra Baek, Ph.D. Candidate

## OFFICE HOURS & COMMUNICATION

**Hours:** Tuesday 2 – 3 pm, or by appointment  
**Office:** Gould Hall 317  
**Fax:** 206-685-9597  
**e-mail:** So-Ra Baek [sora100@uw.edu](mailto:sora100@uw.edu),

## CLASS WEBSITES

**Catalyst:** <https://catalyst.uw.edu/workspace/sora100/32380/>  
**gmforum:** <http://courses.washington.edu/gmforum>

## PURPOSE

This course deals with the overview of the linkages among land use, growth management and environmental impacts. Many cities and only a few states in the United States have adopted a variety of growth management measures and land use controls to attempt to maximize the social welfare benefits, including environmental benefits, from slower growth. In the field of urban growth management, there are many controversial views, e.g. urban economists vs. environmentalists and urban planners, centrists vs. decentrists, the urban-rural dichotomy, etc.

The focus of this course will be given to contemporary land use issues, especially sprawl, smart growth, sustainable development, the Washington State Growth Management Act, New Urbanism, Transit-Oriented Development, Green Growth. The prime purpose of the

course is to understand and to evaluate this experience, and to offer guidance on best-practice techniques of growth management. Because this course is an introductory course, we will focus more on the issues than the details. Students are encouraged (although it is not obligatory) to use Washington's Growth Management Act as a case study for the term paper.

## OBJECTIVES

1. To understand the implications of "sprawl."
2. To develop a typology of growth management techniques.
3. To conceptualize the links between land use regulations and environmental, transportation and other social benefits.
4. To evaluate some of the controversies in the field relating to New Urbanism, Smart Growth, Transit-Oriented Developments (TODs), pedestrian pockets, energy conservation, urban growth boundaries, etc.
5. To assess the relative effectiveness of alternative growth management instruments.
6. To evaluate the relative success of the Washington GMA.

## COURSE ASSIGNMENTS

1. Midterm Essay (35%; 1500 words, main text): Definitions and implications of sprawl ["pros and cons of sprawl"]

or

"Is New Urbanism a solution to sprawl?" Essay partially based on field trip

2. Term Paper (55%: 2,500 words, main text): Case study of the Washington State Growth Management Act or a topic of your choice (please see below) (Topic: 5%, Presentation: 15%, Paper: 35%)

Potential topics: Regional Growth Centers, Transit Oriented Development/Communities, Central Link Light Rail, Seattle Street Car, South Lake Union-LEED ND, Issaquah Highlands: Zero Energy Neighborhood, Sammamish River Trail, Wetland Banking (Paine Field Airport), Green buildings, Application of Transfer of Development Rights, Critical Area Ordinance, Sustainable Development-Smart Growth-Green Growth, Growth Management and Travel Behavior, etc.

3. Class participation including class website/e-mail discussion (10%)

		<b>UrbDP 450 Class Schedule</b>
<b>Session</b>		<b>Topics &amp; Readings</b>
<b>Part I. Sprawl and Its Dimensions</b>		
<b>Sept 24</b>	Monday	<b>1. Introduction</b>
<b>Sept 26</b>	Wednesday	<b>2. Debate on Sprawl and the Alternatives to Sprawl</b> Sprawl is good: Gordon and Richardson Sprawl is bad: Ewing Sources of Sprawl: Bullard, Randolph Levittown: Gans
<b>Oct 1</b>	Monday	<b>3. Centrists vs. Decentrists</b> Centrists: Le Corbusier Decentrists: Howard, Wright, Breheny
<b>Oct 3</b>	Wednesday	<b>4. Trends in Development Patterns</b> Driving and the Built Environment, Chapter 2 and 4
<b>Oct 8</b>	Monday	<b>5. Impacts of Land Use Patterns on Travel Behavior and CO2</b> Driving and the Built Environment, Chapter 3 and 5 Ewing and Cervero
<b>Part II. New Approaches to the Built Environment: Alternative Urban Forms</b>		
<b>Oct 10</b>	Wednesday	<b>New Urbanism and Transit-Oriented Development: Theory</b> Calthorpe, Fulton, Krier
<b>Oct 15</b>	Monday	<b>New Urbanism and TOD: Examples</b> <a href="http://www.kentlandsusa.com/">http://www.kentlandsusa.com/</a> <a href="http://www.orencostation.net/">http://www.orencostation.net/</a> <b>Overview of Issaquah Highlands</b> <a href="http://www.issaquahhighlands.com/">http://www.issaquahhighlands.com/</a>
<b>Oct 20</b>	<b>Saturday</b>	<b>Field trip</b>

<b>Part III. Planning Efforts to Manage Land Use and Growth</b>		
<b>Oct 22</b>	Monday	<b>1. Types of Growth Management</b>
		Growth management: Chinitz, Fishel, Neuman, Porter,
		Smart Growth: Knaap
		Urban Growth Boundaries/Areas
		Greenbelts
		Containing sprawl: Bae
		<b>Midterm Paper Due</b> Submit to: <a href="https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327">https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327</a>
<b>Oct 24</b>	Wednesday	<b>2. Washington State Growth Management Act</b>
		Planning Goals, Urban Growth Areas, Citizen participation
		<a href="http://apps.leg.wa.gov/RCW/default.aspx?cite=36.70A.020">http://apps.leg.wa.gov/RCW/default.aspx?cite=36.70A.020</a>
		<a href="http://apps.leg.wa.gov/RCW/default.aspx?cite=36.70A.030">http://apps.leg.wa.gov/RCW/default.aspx?cite=36.70A.030</a>
		Comprehensive Planning, compact development, urban density
		Growth Management Hearings Boards
		<a href="http://www.mrsc.org/subjects/planning/compplan.aspx">http://www.mrsc.org/subjects/planning/compplan.aspx</a>
		<a href="http://www.gmhba.wa.gov/">http://www.gmhba.wa.gov/</a>
<b>Oct 29</b>	Monday	<b>3. Transfer of Development Rights</b> Guest Speaker: Darren and Murph <a href="http://www.kingcounty.gov/environment/stewardship/sustainable-building/transfer-development-rights.aspx">http://www.kingcounty.gov/environment/stewardship/sustainable-building/transfer-development-rights.aspx</a>
<b>Oct 31</b>	Wednesday	<b>No Class (So-Ra attends a conference)</b>
<b>Nov 3</b>	<b>Saturday</b>	<b>Term Paper Topic Due by NOON</b> Submit to: <a href="https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327">https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327</a>
<b>Nov 5</b>	Monday	<b>4. Downtown Living: Center City Strategy</b> Gary Johnson, Project Manager

		Department of Planning and Development, City of Seattle
		Design Review Board
<b>Nov 7</b>	Wednesday	<b>5. Vision 2040, Long-range planning in the Puget Sound</b> Ben Bakkenta, PSRC <a href="http://www.psrc.org/projects/vision/index.htm">http://www.psrc.org/projects/vision/index.htm</a>
<b>Nov 12</b>	Monday	<b>No Class (Veterans Day)</b>
<b>Nov 14</b>	Wednesday	<b>6. Transportation</b> Mark Hallenbeck, Director, UW TRAC
<b>Nov 19</b>	Monday	<b>7. Critical Area Protection &amp; Best Available Science in Practice</b> Cathy Beam, AICP, Principal Planner, City of Redmond <a href="http://www.ci.redmond.wa.us/intheworks/criticalareas/pdfs/BASPapers.pdf">http://www.ci.redmond.wa.us/intheworks/criticalareas/pdfs/BASPapers.pdf</a>
<b>Nov 21</b>	Wednesday	<b>8. Seattle Green Building</b> Sandy Howard, City of Seattle
<b>Nov 26</b>	Monday	<b>9. Seattle Bicycle Master Plan/Bike Share Program</b> Ann Sutphin, Sara Zora, City of Seattle
<b>Nov 28</b>	Wednesday	<b>10. Perils in Managing Growth</b> Growth Management Hearings Board Measure 37, I-933, Property Rights, Economic Development
<b>Part IV. Closing</b>		
<b>Dec 3</b>	Monday	<b>Presentations I</b>
<b>Dec 5</b>	Wednesday	<b>Presentations II and Closing</b>
<b>Dec 10</b>	<b>Monday</b>	<b>Term Paper Due by NOON</b>
		Submit to: <a href="https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327">https://catalyst.uw.edu/collectit/dropbox/summary/sora100/23327</a>

## READINGS

The required readings and lecture presentations for the class are primarily to be found in the electronic readers of recent published papers available on the class website below

Readings:

1. Gans, Herbert (1967) "[Levittown and America](#)" in The City Reader. Richard T. LeGates and Frederic Stout, eds., pp.64-68. London, UK: Routledge.
2. Bullard, Robert (2000) "[Introduction: Anatomy of Sprawl](#)" Chapter 1, pp. 1-19 in Sprawl City. Robert Bullard, Glenn Johnson and Angel Torres, eds., Washington, D.C.: Island Press.
3. Randolph, John (2004) "[Land Use Planning for Environmental Management](#)" Chapter 3, pp. 36-52, in Environmental Land Use Planning and Management. Washington, D.C.: Island Press.
4. Lawson, Roger and William Wilson (1995). "[Poverty, Social Rights and the Quality of Citizenship](#)" Chapter 8, pp. 150-169 in Readings in Urban Theory. Susan Fainstein and Scott Campbell, eds.(2002) Malden, MA: Blackwell Publishing Ltd.
5. Gordon, Peter and Harry W. Richardson (1997), "[Are Compact Cities a Desirable Planning Goal?](#)" Journal of the American Planning Association, 63 (1): 95-106.
6. Ewing, Reid (1997), "[Is Los Angeles-Style Sprawl Desirable?](#)" Journal of the American Planning Association, 63 (1): 107-126.
7. Breheny, Michael (1996), "[Centrists, Decentrists and Compromisers: View on the Future of Urban Form](#)" Chapter, pp. 13-35, in The Compact City: A Sustainable Urban Form? London: E & FN Spon.
8. Howard, Ebenezer (1898) "[Author's Introduction](#)" and "[The Town-Country Magnet](#)" pp.321-329 in The City Reader. Richard T. LeGates and Frederic Stout, eds., London, UK: Routledge.
9. Le Corbusier (C.-E. J.) (1929) "[A Contemporary City](#)" pp.336-343 in The City Reader. Richard T. LeGates and Frederic Stout, eds. London, UK: Routledge.
10. Wright, Frank.Lloyd (1935) "[Brodacre City: A New Community Plan](#)" pp.344-349 in The City Reader. Richard T. LeGates and Frederic Stout, eds., London, UK: Routledge.

- 11 . Richardson, H.W. and C.-H.C. Bae, eds. (2004) "Urban Sprawl in Western Europe and the United States" Aldershot, UK: Ashgate.
  
12. National Academy of Science (2009) Driving and the Built Environment: The Effects of Compact Development on Motorized Travel, Energy Use, and CO2 Emissions— Special Report 298
  
13. Calthorpe, Peter (1989) "[The Pedestrian Pocket](#)" pp. 350-356 in The City Reader. Richard T. LeGates and Frederic Stout, eds., London, UK: Routledge.
  
14. Fulton, William (1996), [The New Urbanism: Hope or Hype for American Communities?](#) Washington, D.C.: Lincoln Institute of Land Policy.
  
15. Burns, Carol, et. al (2002), "[Urban or Suburban?](#)" Chapter 18 in Readings in Urban Theory. Susan Fainstein and Scott Campbell, eds., , pp; 362-385. Malden, MA: Blackwell Publishing Ltd.
  
16. Knaap, Gerrit-Jan (2005), "[An Inquiry into the Promise and Prospects of Smart Growth](#)" Chapter 4, pp. 61-79 in Towards Sustainable Cities. Andre Sorensen, Peter Marcotullio and Jill Grant, eds. Hampshire, UK: Ashgate.
  
17. Chinitz, Benjamin (1990), "[GrowthManagement: Good for the Town, Bad for the Nation?](#)" Journal of the American Planning Association, 56(1), 3-8.
  
18. Fishchel, William (1991), "[Good for the Town, Bad for the Nation?: A Comment](#)," Journal of the American Planning Association, 57(3), 341-344.
  
19. Neuman, Michael (1991), "[Utopia, Dystopia, Diaspora](#)" Journal of the American Planning Association, 57(3), 344-347.
  
20. Porter, Douglas R (1996), "[Growth Management: What It Is and What It Does.](#)" [Chapter 1](#), pp. 1-18, in Profiles in Growth Management. Washington, DC: The Urban Land Institute.
  
- 21 . Randolph, John (2004) "[Local Government Smart Growth Management for Environmental Land Use](#)" Chapter 37, pp. 141-168, in Environmental Land Use Planning and Management. Washington, D.C.: Island Press.

This will be supplemented by other important papers on reserve in the CBE library. In addition, there has been a wealth of books published in this field recently. I recommend the following books that are available at the CBE Library (Gould 3<sup>rd</sup> Fl).

### **Books on Sprawl and American City**

Bruegmann, Robert (2005), *Sprawl: A Compact History*. Chicago: The University of Chicago Press [HT371.B74 2005]

Flint, Anthony (2006), *This Land: The Battle over Sprawl and the Future of America*. Baltimore, MD: The Johns Hopkins University Press. [HT 384. U5F5 2006]

Blakely, Edward J. and Mary Gail Snyder (1997), *Fortress America: Gated Communities in the United States*. Washington, D.C.: Brookings Institution Press and Lincoln Institute. [HN59.2 B55. 1995]

Downs, Anthony (1994), *New Visions for Metropolitan America*. Washington, D.C.: The Brookings Institute. [HT 384. U5. D.68. 1994]

Garreau, Joel (1991), *Edge City: Life on the New Frontier*. New York: Doubleday. [HT 334. U5 G37 1991]

Jacobs, Jane (1961), *The Death and Life of Great American Cities*. New York: Random House [HT167. J32]

Putnam, Robert D. (2000), *Bowling Alone: The Collapse and Revival of American Community*. New York: Simon & Schuster., pp.204-15, 477-9. [HN 65. P878. 2000]

### **Books on New Urbanism**

Calthorpe, P. (1993), *The Next American Metropolis: Ecology, Community, and the American Dream*. New York: Princeton Architectural Press. [HT 167. C3. 1993]

Katz, Peter (1994), *The New Urbanism: Toward an Architecture of Community*. New York: McGraw-Hill. [NA 2542.4 K38. 1994]

Grant, Jill (2006), *Planning the Good Community: New Urbanism in Theory and Practice*. London: Routledge. [HT 166. P542. 2006]

### **Books on Farmlands Protection**

Daniels, Tom and Deborah Bowers (1997), *Holding our ground : protecting America's farms and farmland*. Washington, D.C. : Island Press, c1997 [HD256 .D36 1997]

Daniels, Tom (1999), *When City and Country Collide: Managing Growth in the Metropolitan Fringe*. Washington, D.C.: Island Press. [HT334. U5. D35. 1999]

### **Books on Managing Growth**



DeGrove, John M. (1984), *Land Growth & Politics*. Chicago: The American Planning Association. [HD 205 D437 1984]

Ewing, Reid (1995), *Best Development Practices*. Chicago, IL: American Planning Association and ULI. [HT 167.5 F6. E9. 1995]

Kelly, Eric Damian (1993), *Managing Community Growth: Policies, Techniques, and Impacts*. Westport, CO: Praeger Press. [HT 167. K44. 1993]

Porter, Douglas R. (1996), *Profiles in Growth Management*. Washington, D.C.: ULI. [HT 167. P668. 1996]

### **Books on Land Use**

Diamond, Henry L. and Patrick F. Noonan (1996), *Land Use in America*. Washington, D.C.: Island Press. [HD205. L357. 1996]

Kaiser, Edward J., David Godschalk and F. Stuart Chapin, Jr. (1995), *Urban Land Use Planning*. Chicago: University of Illinois Press, 4<sup>th</sup> edition. [HT 167. K28. 1995]

In addition, students who have never taken an urban planning course might like to consult the following:

Branch, Melville (1985), *Comprehensive City Planning: Introduction & Explanation*. Chicago, IL: Planners Press, American Planning Assoc. [HT 167.B66 1985]

Fulton, William (1991), *Guide to California Planning*. Point Arena, CA: Solano Press Books. [HT 393. C3 F8 1991]

### **WEBSITES**

Class Website, Catalyst <https://catalyst.uw.edu/workspace/cbae/24777/>

gmforum <http://www.washington.edu/gmforum>

Readings <http://courses.washington.edu/gmforum/Readings/reading.html>

Washington State Office of Community Development <http://www.oed.wa.gov>

Growth Management Program <http://www.oed.wa.gov/info/lgd/growth/>

Growth Management Fact Sheets

[http://www.oed.wa.gov/info/lgd/growth/fact\\_sheets/index.tpl](http://www.oed.wa.gov/info/lgd/growth/fact_sheets/index.tpl)

Sierra Club <http://www.sierraclub.org/sprawl/index.asp>

Congress for the New Urbanism <http://www.cnu.org>

Lincoln Institute of Land Policy <http://www.lincolninst.edu/main.html>

American Farmland Trust <http://www.farmland.org>

Fannie Mae Foundation <http://www.fanniemaefoundation.org>

National Homebuilders Association <http://www.nahb.com>  
Center on Urban and Metropolitan Policy, The Brookings Institution  
<http://www.brook.edu/es/urban/urban.htm>  
Smart Growth Network <http://www.smartgrowth.org>