

PLAN 740
LAND USE AND ENVIRONMENTAL POLICY: FALL 2016

Time: Monday/Wednesday 9:05-10:20

Room: New East 102

Instructor: Danielle Spurlock
Contact: dspurlock@unc.edu

Office Hours: M&W 10:30-12:00 by appointment
New East 318

Teaching Assistant: Ansley Jones
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Office Hours: By appointment
New East Reading Room

Course Description

This course provides a demanding graduate-level introduction to land use and environmental policy. The overarching goal is to develop a working knowledge of how policies and institutions influence land use and environmental outcomes. The course can stand alone as an introduction to land use and environmental policy. For students who wish to specialize in this subject, it also provides a means of identifying aspects of land use and environmental planning to be explored in greater depth in more specialized courses in planning and environmental management.

Course Goals

As an engaged participant in this course, by the end of the semester, you will be able to:

- To identify values of key stakeholders in the land use and environmental policy-making process;
- To evaluate the quality of key components of local comprehensive plans and implementation programs which are aimed at guiding community land use and environmental decisions;
- To apply an introductory field method that uses natural and built environment design principles to analyze the quality of community land use and development; and
- To identify different types of intergovernmental frameworks and evaluate their effectiveness in implementing land use and environmental policies.

Course Readings

Readings for this course are listed under “Resources” on SAKAI. Reserve readings are available on my shelf in the Chapin Reading Room.

Course Format

This course will meet for two sessions per week. Class sessions will be lectures with extensive class discussion and oral presentations by students. It is expected that students will come to each class prepared to participate actively in discussions. In order to participate actively, students should be able to summarize the major arguments of the readings and provide a critical analysis and evaluation of key arguments and concepts.

Course Requirements

You will be evaluated on four main components of the course. Each component is intended to parallel the main ways in which you will be evaluated should you choose to be a planner (or,

pursue most any other profession). The evaluation components include: 1) showing up for work prepared and working well with your peers; 2) completing small projects with quick turnaround times; 3) managing larger projects over a longer time period; and 4) demonstrating your understanding of the core aspects of your field.

Requirements by % of Course Grade	
Assignment #1: Plan Quality Evaluation	20%
Assignment #2: Policy Brief- Development Management	5%
Assignment #3: Neighborhood Form Evaluation	20%
Assignment #4: State Growth Management Program Evaluation	20%
Assignment #5: Policy Brief: Growth Management Recommendations	5%
Assignment #6: Hazard Mitigation & Redevelopment Strategy	25%
Class Participation	5%

Late Assignments

I expect all assignments to be handed in on time. If for some reason you cannot make a deadline, let me know ahead of time (not the night before an assignment is due) so we can try to work something out. Late assignments will be penalized one full grade (e.g., H to a P) for each day the assignment is late.

Communication

The best way to reach me is by email or during my office hours. You can make an appointment using <https://dsprlck.youcanbook.me/>. If my office hours do not fit your schedule, you should email me at dsprlock@unc.edu and I will work with you to find a suitable time.

- All emails should include PLAN 740 in the subject line. I will make every effort to respond to your emails on the same day I receive them unless I receive them after 7:00 pm. Please do not wait until the last minute to contact me about assignments, especially if you are having problems.
- Please contact me as soon as possible should a medical or family emergency arise or a religious holiday so that I can work with you to make accommodations.

Honor Code

UNC HONOR CODE

“It shall be the responsibility of every student at the University of North Carolina at Chapel Hill to obey and to support the enforcement of the honor code, which prohibits lying, cheating, or stealing when these actions involve academic processes or University, student or academic personnel acting in an official capacity.”

The University Honor Code is in effect, and all assignments must be completed through your individual effort unless otherwise instructed. In order to uphold the Honor Code in your written assignments, you must properly cite all data, ideas, and information that are not your own. Please visit the UNC Writing Center website for information about citations and how to avoid plagiarizing: <http://www.unc.edu/depts/wcweb/handouts/plagiarism.html>.

Each assignment should include the following Honor Pledge:

“On my honor, I have neither given nor received unauthorized aid on this assignment.”

Semester at a Glance

8/24	Sess. 1	Course Overview	
PART I: LAND USE VALUES			
8/29	Sess. 2	Sustainable Development Values	
8/31	Sess. 3	Political Economy/Market Values	
9/5		<i>Labor Day- No Classes</i>	
9/7	Sess. 4	Social Equity/ Environmental Justice	
9/12	Sess. 5	Legal Rationale	
PART II: LOCAL COMPREHENSIVE PLANS & DEVELOPMENT MANAGEMENT TOOLS			
9/14	Sess. 6	History and Types of Land Use Plans	Assignment #1: Plan Evaluation posted
9/19	Sess. 7	Plan Quality Evaluation: What Makes a Good Plan?	
9/21	Sess. 8	Development Management I: Conceptual Basis	Assignment #2: Policy Brief: Development Management posted
9/26	Sess. 9	Development Management II: Where to (and not to) Grow	
9/28	Sess. 10	Development Management III	Assignment #2 due; Presentations
10/3	Sess. 11	Guest Planner Durham County/City Planner	GUEST SPEAKER
10/5	Sess. 12	Evaluation of the Quality of Comprehensive Plans	Assignment # 1 due; Presentations
Part III: Urban Design Principles and Outcomes			
10/10	Sess. 13	Urban Design Principles	GUEST SPEAKER; Assignment #3: Community Design posted
10/12	Sess. 14	Neighborhood Field Evaluation	
10/17	Sess. 15	Ecological Design Principles	
10/19	Sess. 16	Field Trip, Green Developer	FIELD TRIP/ GUEST SPEAKER
10/24	Sess. 17	Evaluations of Neighborhood Form: In-Class Student Presentations	Assignment #3 due, Presentations
Part IV: State and Regional Growth Management Programs			
10/26	Sess. 18	An Institutional Framework for Evaluating State (and Regional) Programs	Assignment #4: State Growth Program Evaluation posted
10/31	Sess. 19	State Growth Management: Does it Make a Difference?	Assignment #5: Policy Brief: State Growth Management posted
11/2	Sess. 20	Overview of Regional /Metropolitan Planning	
11/7	Sess. 21	Comparative Assessment of New Jersey and Wisconsin	Assignment #5 due; Presentations
11/9	Sess. 22	Guest Speaker, Regional Planner	GUEST SPEAKER
11/14	Sess. 23	Evaluations of State Growth Management Program	Assignment #4 due; Presentations
Part V: Federal land Use and Environmental Programs			
11/16	Sess. 24	US Environmental Policy: Transitions and Transformations	Assignment #6: Federal Policy posted
11/21	Sess. 25	Field Trip to Eastgate floodplain	FIELD TRIP/ GUEST SPEAKER
11/23		<i>University Holiday; No Classes</i>	
11/28	Sess. 26	Hazard Mitigation Strategy Building: Case Studies	
11/30	Sess. 27	Cheshire County, MD Sea Level Rise Case Study	
12/5	Sess. 28	In-Class strategy work session	
12/7	Sess. 29	Presentations; Last Day of Classes	Assignment #6 due; Presentations

Part I. Land Use Values

Objectives:

- 1) *To identify underlying values of different stakeholders in the land use and environmental planning process;*
- 2) *To evaluate how these values shape interests and positions of different stakeholders in response to environmental, economic, and social justice issues associated with community land use and development policy decisions.*
- 3) *To determine limits of regulatory control on private decisions about land uses.*

Session 1: Course Overview

Aug. 24

Session 2: Sustainable Development Values

Aug. 29

Campbell, Scott. 1996. "Green Cities, Growing Cities, Just Cities?: Urban Planning and the Contradictions of Sustainable Development," Journal of the American Planning Association, 62, 3, pp. 296-312.

Grant, Jill. 2009. "Experiential Planning: A Practitioner's Account of Vancouver's Success," Journal of the American Planning Association, 75, 3 pp. 358-370.

Case Study: Coker Development Project in Raleigh (1 newspaper article, Coker timeline, and Planner's Casebook article, Spring 2002 by Daniel Howe).

City of Vancouver. 2007. EcoDensity: An Introduction to Building Communities that are Green, Livable, and Affordable in Vancouver, pp. 1-35. (*Optional*: Overview for students not familiar with eco-city planning concepts).

Session 3: Political Economy/Market Values

Aug. 31

Molotch, Harvey. 1976. "The City as a Growth Machine: Toward a Political Economy of Place," American Journal of Sociology, 82, 2, pp. 309-332. (Classic reading on the political economy of cities.)

Rudel, Thomas. 1989. "Ch. 4: A Rural Community," pp. 52-71; "Ch. 5: A Rural-Urban Fringe Community," pp. 72-91, "Ch. 6: Urban Communities," pp. 92-117, in Situations and Strategies in American Land Use Planning, New York: Cambridge University Press.

Session 4: Social Equity/ Environmental Justice

Sept. 7

Goldstein, Harvey. 1984. "Planning as Argumentation," Environment and Planning B: Planning and Design, Vol. 11, pp. 297-312.

Harvey, David. 2008. "The Right to the City," New Left Review, 53, pp. 23-40.

Arnold, Craig A. 2007. "Chapter 2: Environmental Justice and Land Use," pp. 11-29, in Fair and Healthy Land Use: Environmental Justice and Planning, Chicago, Planning Advisory Service #549/550: American Planning Association.

Samuels, Alana. 2007. "Destruction of a Black Suburb." The Atlantic Monthly. Retrieved July 14 2015 from <http://www.theatlantic.com/business/archive/2015/07/lincoln-heights-black-suburb/398303/>

Session 5: Legal Rationale

Sept. 12

Salisich, Peter and Timothy Trynieck. 2003. "Ch. 2: Land Use Planning", pp. 25-44, 51-53, in Land Use Regulation: A Legal Analysis & Practical Application of Land Use Law, Chicago: American Bar Association.

Kayden, Jerold. 1996. "Private Property Rights, Government Regulation, and the Constitution: Searching for Balance", pp. 295-308, in Land Use in America, Eds. H. Diamond and P. Noonan, Washington, D.C.: Island Press.

Jacobs, Harvey and Kurt Paulson. 2009. "Property Rights: The Neglected Theme of American Land Use Planning", Journal of the American Planning Association, 75, 2, pp. 134-143.

Part II: Local Comprehensive Plans & Development Management Tools

Objectives:

- 1) *To identify the types of plans and key components that comprise the content and quality of plans, which serve as the key overarching, integrative tool that guide the formulation of the planners' intervention strategies;*
- 2) *To identify the primary tools (plans, regulations investments, and incentives) that local planners can use to intervene in guiding public and private land use and environmental decisions;*
- 3) *To evaluate the content and quality of comprehensive plans.*

Session 6: History and Types of Land Use Plans

Sept. 14

Kaiser, Edward and David Godschalk. 1995, "Twentieth Century Land Use Planning: A Stalwart Family Tree," Journal of the American Planning Association, 61, 3, 1995, pp. 365-85.

American Planning Association 2011. "Ch.4. Role and Status of the Comprehensive Plan in Sustaining Places, in Sustaining Places: The Role of the Comprehensive Plan American Planning Association - Sustaining Places Task Force Interim Report, pp. 35-43.

American Planning Association 2011. "Ch. 5. Planning Scale and the Vertical Integration of Plans," in Sustaining Places: The Role of the Comprehensive Plan American Planning Association - Sustaining Places Task Force Interim Report, pp. 45-55.

Berke, Philip and Maria Manta-Conroy. 2000. Are We Planning for Sustainable Development? An Evaluation of 30 Comprehensive Plans, Journal of the American Planning Association, 66, 1, pp. 21-34. [*Optional: The basic principles of sustainability used in the American Planning Association 2011 book were derived from this article*]

****ASSIGNMENT #1: PLAN QUALITY EVALUATION POSTED Due: Oct. 5****

Session 7: Plan Quality Evaluation: What Makes a Good Plan?

Sept. 19

Berke, Philip, Dave Godschalk, Edward Kaiser with Daniel Rodriguez. 2006. Ch. 3: Criteria for Evaluating Plan Quality. Urban Land Use Planning, Chicago: University of Illinois Press, pp. 69-83.

Ryan, Brent. 2011. Reading Through a Plan: A Visual Interpretation of What Plans Mean and How They Innovate, Journal of the American Planning Association, 77, 4, pp. 309-327.

Bunnell, Gene and Edward Jepson. 2011. The Effect of Mandated Planning on Plan Quality, Journal of the American Planning Association, 77, 4, pp. 338-353.

DeForest, WI comprehensive plan

Session 8: Development Management I: Conceptual Basis

Sept. 21

Porter, Douglas. 2008. "Ch. 2: The Practice of Growth Management," in Managing Growth in America's Communities, 2nd edition, Washington, D.C.: Island Press, pp. 37-64

Bengston, D., J. Fletcher and K. Nelson. 2004. Public Policies for Managing Urban Growth and Protecting Open Space: Policy Instruments and Lessons Learned in the United States, Landscape and Urban Planning, 69, pp. 271-286.

American Planning Association 2011. "Ch. 6. Sustaining the Plan through Implementation," in Sustaining Places: The Role of the Comprehensive Plan American Planning Association - Sustaining Places Task Force Interim Report, pp. 49-57.

Elliot, Donald. 2010. "Chs. 2 and 7" in A Better Way to Zone: Ten Principles to Create More Livable Cities. Washington, D.C.: Island Press.

****ASSIGNMENT #2: POLICY BRIEF--DEVELOPMENT MANAGEMENT POSTED Due SEPT. 28****

Session 9: Development Management II: Where (and not) to Grow

Sept. 26

Porter, Douglas. 2007. "Chs. 3, 4 and 5," in Managing Growth in America's Communities, Washington, D.C.: Island Press, pp. 65-146.

Session 10: Development Management III: In-class Student Presentations

Sept. 28

Student teams will be assigned to present tools for one of the following topics:

Land Conservation and Biodiversity:

McElfish, James. 2004. "Development Management Tools: Chs, 4, 5, 6, 8, in *Nature Friendly Ordinances*, Washington, D.C., Environmental Law Institute.

Kihlslinger, Rebecca and James McElfish. 2009. "Case Studies: Chs, 7, 8 and 9," *Nature Friendly: Land Use Practices at Multiple Scales*, Washington, D.C., Environmental Law Institute.

Climate Change:

Hupp, Erin. 2008. The Greenhouse Gas Regulation Revolution: How California and its Localities Contribute to the State and Local Revolution of Green House Gas Regulation. Why it's being done; Whether it's optimal. DCRP Masters Project.

California Air Pollution Control Officers Association. 2009. Model Policies for Greenhouse Gases in General Plans, June (see appendix G: Marin County Plan, and skim Chs. 1-6).

Grannis, Jessica. 2011. Adaption Tool Kit: Sea-Level Rise and Coastal Land Use: How Governments can use Land-Use Practices to Adapt to Sea-Level Rise. Washington D.C., Georgetown Climate Center.

Equity and Housing Affordability: (Read Porter and pick 2 of the remaining 3 articles)

Ihlanfeldt, Keith. 2004. Exclusionary Land Use Regulations within Suburban Communities: A Review of the Evidence and Policy Prescriptions, Urban Studies, 41, 2, pp. 261-283.

Landis, John. 2006. Growth Management Revisited: Efficacy, Price Effects and Displacement, Journal of the American Planning Association, 72, 4, pp. 411-428.

Porter, Douglas. 2007. "Ch. 7, in Managing Growth in America's Communities, Washington, D.C.: Island Press, pp. 220-240.

Schuetz, Jenny, Rachel Meltzer, and Vicki Been. 2009. 31 Flavors of Inclusionary Housing: Comparing Policies from an Francisco, Washington, D.C., and Suburban Boston, Journal of the American Planning Association, 75, 4, pp. 441-456

Hazard Mitigation:

Schwab, James. 2010. Ed., "Chs. 5, 6, 7, 8, 9," in *Hazard Mitigation: Integrating Best Practices into Planning*, Planning Advisory Service #560, APA.

****ASSIGNMENT #2: POLICY BRIEF--DEVELOPMENT MANAGEMENT DUE****

Session 11: Guest Planner, Durham County/City Planner

Oct. 3

*Town of Chapel Hill 2020 Comprehensive Plan

*Durham Comprehensive Plan

Session 12: Evaluations of Comprehensive Plan Quality: In-Class Student Presentations

Oct. 5

****ASSIGNMENT #1: PLAN QUALITY EVALUATION DUE****

Part III: Urban Design Principles and Outcomes

Objectives:

- 1) To identify critical natural and built environment design principles that comprise that quality of neighborhood development patterns;
- 2) To apply a field evaluation methodology that uses natural and built environment design principles to analyze the quality three different types of neighborhood development patterns;
- 3) To determine the quality neighborhood development patterns from the perspective of different stakeholder groups.

Session 13: Urban Design Principles

Oct. 10

- Hester, Randolph. 2006. "Introduction and Selected Text on Principles" in Design for Ecological Democracy. Cambridge, MA: MIT Press.
- Jabareen, Yosef. 2009. Sustainable Urban Forms: Their Typologies, Models, and Concepts, Journal of Planning Education and Research, 26: 38-52.
- Talen, Emily. 2009. "Introduction, pp. 1-7; Neighborhoods, pp. 13-20; Connections, pp. 29-37; Centers, pp. 40-46; Mix, pp. 53-59; Proximity, pp. 61-63; Glossary 93-96," in Urban Design Reclaimed: Tools, Techniques, and Strategies for Planners. Chicago: APA Planners Press.

**** ASSIGNMENT #3: NEIGHBORHOOD FORM EVALUATION POSTED**

Due: OCT. 24**

Session 14: Neighborhood Field Evaluation

Oct. 12

- Garde, Ajay. 2009. Sustainable by Design: Insights from U.S. LEED-ND Pilot Projects, Journal of the American Planning Association, 75 (4): 424-440.
- Retzlaff, Rebecca. 2008. Green Building and Development Assessment Systems: A Comparative Analysis and Framework for Use in Planning, Journal of the American Planning Association, 74 (4): 505-519.
- LEED (Leadership in Energy and Environmental Design) for Neighborhood Development Pilot Project Checklist. June 2007, U.S. Green Building Council. 2 pp.
(For the full 161-page checklist see www.usgbc.org/DisplayPage.aspx?CMSPageID=148#1)
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Session 15: Ecological Design Principles

Oct. 17

- Berke, Philip et al. 2003. Greening Development for Watershed Protection: Does New Urbanism Make a Difference? Journal of the American Planning Association, 69 (4): 397-413.
- Department of Environmental Services. 1999. "Ch. 4: Low Impact Design: Integrated Management Practices," in Low Impact Development Design Strategies: An Integrated Approach, Prince George's County, MD: same as author.
- Ewing, Reid. 1996. "Ch. 5: Best Environmental Practices," in Best Development Practices, Chicago: American Planning Association Planners, pp. 95-132. (Optional)

Session 16: Field Trip/ Guest Speaker - Green Developer

Oct. 19

Lockwood, Charles. June 2006. "Building the Green Way", Harvard Business Review, pp. 1-9.

Session 17: Evaluations of Neighborhood Form: In-Class Student Presentations

Oct. 24

****ASSIGNMENT #3: NEIGHBORHOOD FORM EVALUATION DUE****

Part IV. State and Regional Growth Management Programs

Objectives:

1) *To identify key issues, underlying conditions, goals and policies of different state growth management programs;*

2) *To identify different types of intergovernmental implementation frameworks used by states to carry out growth management programs;*

3) *To identify implementation roles and responsibilities of state and regions under various state growth management programs;*

4) *To evaluate the effectiveness of state growth management programs in addressing issues and achieving goals.*

Session 18: An Institutional Framework for Evaluating State (and regional) Programs

Oct. 26

Berke, Philip. 1998. "Reducing Natural Hazard Risks through State Growth Management," Journal of the American Planning Association, 64, 1, pp. 76-87.

Hardin, Garrett. 1969. The Tragedy of the Commons. *Science*, Vol. 162, No. 3859, pp. 1243-1248.

DeGrove, John. 2005. "Ch. 1 Introduction: Managing Growth in a Changing Environment," in *Planning, Policy and Politics: Smart Growth and the States*. Cambridge, Mass.: Lincoln Institute of Land Policy, pp. 1-6.

****ASSIGNMENT #4: STATE GROWTH MANAGEMENT PROGRAM EVALUATION POSTED****

Due: NOV. 14

Session 19: State Growth Management: Does It Make a Difference?

Oct. 31

Berke, Philip and Steven French. 1994. The Influences of State Planning Mandates on Local Plan Quality, Journal of Planning Education and Research, 13 (4), pp. 237-250.

Susskind, Lawrence. 1978. "Should State Government Mandate Local Planning?," Planning Magazine, pp. 17-21.

*One to be assigned to each student:

Hoch, Charles. 2007. How Plan Mandates Work: Affordable Housing in Illinois, Journal of the American Planning Association, 73, 1, pp. 86-99.

Lewis, Rebecca, Gerrit-Jan Knaap, and Jungyul Sohn. 2009. Managing Growth with Priority Funding Areas: A Good Idea Whose Time Has Yet to Come, Journal of the American Planning Association, 75, 4, pp. 457-478.

Edwards, Mary and Anna Haines. 2007. Evaluating Smart Growth: Implications in Small Communities, Journal of Planning Education and Research, 27, pp. 49-64.

****ASSIGNMENT #5: POLICY BRIEF—GROWTH MANAGEMENT RECOMMENDATIONS ****
Due NOV. 7

Session 20: Overview of Regional/Metropolitan Planning for Metro Areas **Nov. 2**

Innes, Judith, David Booher, and Sarah Di Vittrio. 2011. Strategies for Mega-region Governance, *Journal of the American Planning Association*, Vol. 77, No. 1, pp. 55-67.

Lang, Robert and Arthur Nelson. The Rise of the Megapolitans. Planning, January 2007: 7-14.

Regional Case Studies Series (1997)

SELECT TWO (4-5 pgs. each):

- *Atlanta
- *Minneapolis-St. Paul
- *Portland
- *San Diego

American Planning Association, Modernizing State Planning Statutes: The Growing Smart Working Papers, v. 2, Chicago: Planning Advisory Service Report # 480/481, 1998. (*Optional*: see Chs. by Buchsbaum, DeGrove, Porter, Rohse, Stroud, Lincoln, Berry, Freilich, and Bohlen et al.) ON RESERVE

Session 21: Growth Management Recommendations: In-Class Presentations **Nov. 7**

****ASSIGNMENT #5: POLICY BRIEF—GROWTH MANAGEMENT RECOMMENDATIONS DUE ****

Session 22: Guest Speaker, Regional Planner **Nov. 9**

Frick, Karen. 2013. Actions of Discontent: Tea Party and Property Rights Activists Pushing Back Against Regional Planning. *Journal of the American Planning Association*, Vol 79, 3, 190-200.

Session 23: State Growth Management Program Evaluations: In-Class Presentations **Nov. 14**

****ASSIGNMENT#4: STATE GROWTH MANAGMEENT PROGRAM EVALUATION DUE****

Part V. Federal Land Use and Environmental Programs

Objectives:

- 1) *To identify key issues, underlying conditions, goals and policies of national land use and environmental programs;*
- 2) *To identify different types of intergovernmental implementation frameworks used by the federal government to carry out land use and environmental programs;*
- 3) *To identify implementation roles and responsibilities of federal, state and local governments under different federal programs;*
- 4) *To evaluate the effectiveness of federal programs regarding goal achievement.*

Session 24: US Environmental Policy: Transition and Transformations

Nov. 16

Mazmanian, Daniel and Michael Kraft, eds. 2009. "Ch. 1: The Three Epochs of the Environmental Movement," pp. 3-33, in Toward Sustainable Communities: Transition and Transformations in Environmental Policy, 2nd Edition, Cambridge, Massachusetts: MIT Press.

Nolon, John. 2009. Climate Change and Sustainable Development: The Quest for Green Communities, Planning and Environmental Law, 61 (10): 2-14.

BenDor, Todd and Martin Doyle. 2010. Planning for Ecosystem Service Markets, Journal of the American Planning Association, 76 (1): 59-72.

****ASSIGNMENT #6: HAZARD MITIGATION & REDEVELOPMENT STRATEGY POSTED****
Due: DEC. 7

Session 25: Field trip

Nov. 21

Field Trip to Eastgate floodplain.

Background Readings to aid in assignment #6: *Folder of 2000 Eastgate Mall Flood Disaster, Chapel Hill, NC ON RESERVE

Session 26: Hazard Mitigation Strategy Building: Case Studies

Nov. 28

Riley, Ann. 1998. "National Flood Insurance Program," Restoring Streams in Cities, Washington, D.C.: Island Press, pp. 253-267.

Burby, Raymond and others. 1999. Unleashing the Power of Planning to Create Disaster-Resistant Communities, Journal of the American Planning Association, Vol. 65, No. 3, pp. 247-258.

Godschalk, David, Timothy Beatley, Philip Berke, David Brower, Edward Kaiser, Charles Bohl and R. Mathew Goebel. 1999. "Ch. 1: Mitigating Natural Hazards: A National Challenge," pp. 3-25 in Natural Hazard Mitigation: Recasting Disaster Policy and Planning, Washington, D.C.: Island Press.

Federal Emergency Management Agency. 2007. National Flood Insurance Program Community Rating System: Example Plans, Washington, D.C.: same as author: Washington, D.C., pp. 1-30. (*Optional*)
www.fema.gov/nfip/pub-510.pdf

Session 27: Adapting to Climate Change Risks (in-class negotiation)

Nov. 30

Confidential instructions for role-playing

Shuford, Scott, Suzanne Ryne, and Jan Lueller.. 2010. Planning for a New Energy and Climate Future. PAS Report # 538. Chicago: American Planning Association: Development Patterns, pp. 64-72; Infrastructure, pp. 74-79; Economic, pp. 101-108; Natural Resources, King County sidebar, pp. 135-136; Natural Resources, pp. 137-138, 141-148. (*pages focus on climate adaptation*)

Session 28: In-class hazard mitigation and redevelopment strategy preparation

Dec. 5

Session 29: A Hazard Mitigation & Redevelopment Strategy for Booker Creek Floodplain

Dec. 7

****ASSIGNMENT #6: Hazard Mitigation & Redevelopment Strategy DUE****