PLAN607/UPA683

Land-Use Planning

General Information

Class meets: Monday, Wednesday   4:00-5:15pm
Room: USI 216
Semester Hours/Credits: 3

Instructor Information

Office hours: Monday, Wednesday 12:30pm-2:15pm or by appointment
Office location: USI 111
Office phone: 852-7915
Email: sumei.zhang@louisville.edu

Please free to email me at any time. I will respond to email within 24 hours in most cases, 48 hours on weekends or holidays. If you do not receive a response within that time period, please reach out again.

Course Overview:

Urban land-use planning, often constrained by its political and administrative framework, regulates human topics in a natural environment. This course explores the land-use management system and the changing socio-economic and political contexts in the United States. This course encourages students to explore and re-interpret such concepts of land use, city, and sustainability in land use planning. We will revisit several important land-use theories and explore the possibility of sustainable development in the U.S. Debate and mini-paper assignments will encourage students further explore important topics for planners.

Course Purpose:

The purpose of this course is for students to

(1) understand land-use planning in a broader socio-economic and environmental background;
(2) understand the general local and regional land-use planning process in the U.S.;
(3) interpret the concept of sustainability, the current status of sustainable development in the U.S.;
(4) learn methods in land use planning; and
(5) learn basic ArcGIS method in land use planning.

Course Texts:

Most reading for this course will be drawn from selected journal articles, book chapters, and other resources, and will be put on Blackboard. All the following textbooks are **optional**.

- Berke, Philip R., David R. Godschalk, and Edward J. Kaiser, with Daniel A. Rodriguez. Urban Land Use Planning. University of Illinois Press Urbana and Chicago. 2006.

- Cullingworth, J. Barry, and Roger Caves. Planning in the USA: policies, issues, and processes. Routledge, 2013.

- So, Frank S. The practice of local government planning. International City/County Management Association (ICMA), 1988.

Course Format:

This class is essentially designed to be a combination of lecture/discussion/project with hands-on experiences. Assigned reading is expected to be completed on the day of the lecture as listed in the course outline. The reading creates a common ground for us to explore the nuances and complexities of planning activity. Lectures will follow the class outline, but there is still substantial flexibility to accommodate your interests and current events.

Required Tasks and Point Values:

For master students, tasks and point values are as follows:

Reading Assignments (25)	`	50 points
Project Assignments (6)		42 points
Class Participation		8 points

Total   points   100 points

For Ph.D. students, tasks and point values are as follows:

Reading Assignments (25)	`	50 points
Project Assignments (6)		24 points
Final Paper Assignment		18 points
Class Participation		8 points

Total points	100 points

Grading will be on a straight point system (i.e., no curve):

A+ = 98-100%
A = 94-97%
A- = 90-93%
B+ = 88-89%
B = 84-87%
B- = 80-83%
C+ = 78-79%
C = 74-77%
C- = 70-73%
D+ = 68-69%
D = 64-67%
D- = 60-63%
F = below 60%

Reading Assignments

For each meeting session, I will assign readings to students ahead of time. Every student is expected to report a reading summary during the class session. A short (1-2 pages) written report is expected as well.

Projects

There will be six individual projects. Further instructions will be provided.

Class Participation

Students are expected to participate in the following ways:

(1) Students are expected to attend class. There will be point penalties (at most 5% of the final grade) for non-attendance. Specific needs should be addressed on a case-by-case basis between the student and the instructor.

(2) Students are expected to participate in class discussions.

Plagiarism

Plagiarism will not be tolerated. Please check the University Student Code of Conduct for plagiarism policy (http://louisville.edu/dos/students/policies-procedures/student-handbook.html#codeofstudentconduct). The final paper will be scanned using the University's "Safe Assign" software.

Note: This is a **tentative** arrangement of readings. I reserve right to drop or add readings if necessary.

PART I. The Meaning of Land Use

Week 1

- **Monday** (August 19)

  (1) Course introduction.

- **Wednesday** (August 21)

  (1) The concepts of land and land use.

  Readings:

  Kivell, Philip. Land and the City. Rutledge 1993. Chapters 1.

  Platt, Rutherford H. Chapter 1 The Meanings and Uses of Land. In Land Use and Society. Island Press. Washington. Covelo. London. 2004.

PART II – Techniques for Land Use Planning

Week2, 3

- **Monday** (August 26)

  (1) Common spatial units;
  (2) Land-use classification;

  Readings:

  LBCS standards: https://www.planning.org/lbcs/standards/

  A Land Use and Land Cover Classification: https://pubs.usgs.gov/pp/0964/report.pdf

  Standard on Manual Cadastral Maps and Parcel Identifiers: https://www.iaao.org/media/standards/Manual_Cadastral_Maps_2016.pdf, page 5-8

  Talen, E. (2002). Help for urban planning: the transect strategy. *Journal of Urban Design*, *7*(3), 293-312.

- **Wednesday** (August 28)

(1) Land Inventory Analysis
(2) Environment Inventory Analysis

Reading:

Land Use Resource Guild, Center for Land Use Education, University of Wisconsin-Stevens Point/Extension. Chapter 3

Berke et al., Chapter 6.

Assign Project 1 – Land Use Inventory Analysis

- **Wednesday** (September 4)

    Work in the Lab (Basics of ArcGIS).

Week 4

- **Monday** (September 9)

(1) Suitability Analysis

    Reading:

    Collins et al. 2001. Land-Use Suitability Analysis in the United States: Historical Development and Promising Technological Achievements. Environmental Management 28(5): 611-621.

    Malczewski, J. (2004). GIS-based land-use suitability analysis: a critical overview. *Progress in planning*, *62*(1), 3-65.

    Assign Project 2 – Land Use Suitability Analysis

- **Wednesday** (September 11)

    Work in the lab (Work with raster data).

Week 5

- **Monday** (September 16)

Analyze current land use patterns – Demographic Analysis

Readings:

Berke et al., Chapter 5.

Additional materials to be distributed.

Assign Project 3: Growth trends and patterns.

- **Wednesday** (September 18)

  Work in the lab (Thematic mapping, spatial mean analysis, hot spot analysis).

Week 6

- **Monday** (September 23)

  Analyze current land use patterns – Economic Analysis

  Readings:

  Berke et al., Chapter 5.

  Additional materials to be distributed.

- **Wednesday (September 25)**

  Analyze Urban Structure – Relations between Land Use

  Readings:

  Alexander, C. (1964). A city is not a tree. *1965*, *124*

  Kivell, Philip. Land and the City. Rutledge 1993. Chapters 2.

  Batchelor. 1969. The Origin of the Garden City Concept of Urban Form. Journal of the Society of Architectural Historians 28(3): 184-200.

Week 7

- **Monday** (September 30)

  (1) Assessment of the built environment

Reading:

Ewing, R., & Cervero, R. (2010). Travel and the built environment: A meta-analysis. *Journal of the American planning association*, *76*(3), 265-294.

Assign Project 4 – Assessment of the Built Environment

- **Wednesday (October 2)**

  Work in the Lab.

PART III – The Current Land Use Planning system

Week 8

- **Monday** (October 7)

  No class (fall break)

- **Wednesday** (October 9)

  (1) The Plan-making process

  Reading:

  Berke et al., Chapter 4, 10.

  Hopkins, Lewis D. Urban Development: The Logic of Making Plans. Chapter 3 (How Plans Work). Washington, DC: Island Press. 2001.

Week 9

- **Monday** (October 14)

  (1) Planning for regulating growth (Zoning)

  Readings:

  Cullingworth, Barry and Roger W. Caves. Planning in the USA, Policies, Issues and Processes. Chapter 5,6. Routledge. Taylor and Francis Group. Second Edition. 2003.

  So, Frank S. 1988. The Practice of Local Government Planning. Chapter 13, 14.

  Assign Project 5 – Zoning Assignment (production of map in ArcGIS)

- **Wednesday** (October 16)

  (1) Planning for guiding growth (Comprehensive Plan)

   Readings: TBA.

Week 10

- **Monday** (October 21)

  (1) Other planning activities.

  Readings: TBA.

- **Wednesday** (October 23)

  (1) Urban sprawl

  Readings:

  Ewing, Reid. 2008. Characteristics, Causes, and Effects of Sprawl: A Literature Review. Urban Ecology: An international perspective on the interaction between humans and nature. Edited by John M. Marzluff et al.

  Frumkin, Howard. 2002. Urban Sprawl and Public Health. Public Health Report 17: 201-217.

  Checkoway, Barry. 1980. Large builders, federal housing programmes, and postwar suburbanization. International Journal of Urban and Regional Research 4(1): 21-45.

  Jackson, Kenneth. Crabgrass Frontier: The Suburbanization of the United States. Chapter 14 (The Drive-in Culture of Contemporary America). Oxford University Press. 1985.

PART VI – Sustainable Land Use Planning

Week 11

- **Monday** (October 28)

  (1) The Sustainability Model.

  Reading:

  Berke et al., Chapter 2

Kidd, C.V. The Evolution of Sustainability. 1992. Journal of Agricultural and Environmental Ethics 5: 1-26.

- **Wednesday** (October 30)

  (1) Urbanism vs. Suburbanism vs. New Urbanism

  Readings:

  Wirth, L. (1938). Urbanism as a Way of Life. *American journal of sociology*, *44*(1), 1-24.

  Fulton, William. The New Urbanism. Hope or Hype for American Communities?

Week 12

- **Monday** (November 4)

  (1) The merit of diversity and the concept of equity

  Readings: TBA.

  Assign project 6 – Analyze diversity.

- **Wednesday** (November 6)

  Work in the lab.

Week 13

- **Monday** (November 11)

  (1) Inclusionary zoning

  Ellickson, R. C. (1980). The irony of inclusionary zoning. *S. Cal. L. Rev.*, *54*, 1167.

  Schuetz, J., Meltzer, R., & Been, V. (2009). 31 flavors of inclusionary zoning: Comparing policies from San Francisco, Washington, DC, and suburban Boston. *Journal of the American Planning Association*, *75*(4), 441-456.

  Mukhija, V., Regus, L., Slovin, S., & Das, A. (2010). Can inclusionary zoning be an effective and efficient housing policy? Evidence from Los Angeles and Orange Counties. *Journal of Urban Affairs*, *32*(2), 229-252.

- **Wednesday** (November 13)

  (1) Place-making

  Talen, E. (2009). Design by the rules: The historical underpinnings of form-based codes. *Journal of the American Planning Association*, *75*(2), 144-160.

Week 14

- **Monday** (November 18)

  (1) Sustainable Economy

  Readings:

  Thompson, Wilbur. 1968. The city as a distorted price system. In The City Reader. Edited by Richard T. LeGates and Frederic Stout. Routledge. 4th edition.

  Kallis, Giorgos. 2011. In defence of degrowth. Ecological Economics 70.5: 873-880.

  Currid, E. (2007). How art and culture happen in New York: Implications for urban economic development. *Journal of the American Planning Association*, *73*(4), 454-467.

- **Wednesday** (November 20)

  (1) Environmental elements

  Berke et al., Chapter 6, Page 149-177.

Week 15

- **Monday** (November 25)

  (1) Growth management

  Readings:

  Nelson, A. C., & Moore, T. (1993). Assessing urban growth management: The case of Portland, Oregon, the USA's largest urban growth boundary. *Land Use Policy*, *10*(4), 293-302.

Impact Fee and Housing Affordability:
https://www.huduser.gov/portal/publications/impactfees.pdf.

- **Wednesday** (November 27)

  No class. Happy Thanksgiving.

Week 16

- **Monday** (December 2)

  (1) Smart Growth

  Readings:

  Ye, L., Mandpe, S., & Meyer, P. B. (2005). What is "smart growth?"—Really?. *Journal of Planning Literature*, *19*(3), 301-315.

  Downs, A. (2005). Smart growth: Why we discuss it more than we do it. *Journal of the American Planning Association*, *71*(4), 367-378.