

## **Ph.D. First field general examination in CITY DESIGN AND DEVELOPMENT (CDD)**

---

The field of design and development encompasses the broad set of intellectual perspectives and theories that are important to the deliberate shaping of the built and natural environment of cities and regions. The field represents an intersection of knowledge gained through several basic disciplines such as: history, geography, sociology, politics, economics, as well as from the emerging tradition of research within the field of urban design.

The field is divided into five areas of concentration:

- 1. Theories of Urban Form and City Design**
- 2. History of Urban Form and Development**
- 3. Design Practice**
- 4. Politics and Regulations of City Design and Development**
- 5. Economics of Urban Development**

These areas are inter-linked, and it is difficult to make a clear distinction concerning where the literature for one area ends and another begins. Many of the references listed in each section are relevant to the issues raised in the other sections, and could conceivably be placed in a number of different concentration areas. To avoid confusion, each citation is indicated in one area only. It is hoped that among the five sections, significant literature pertinent to the field is covered.

Doctoral candidates will be expected to have completed course work that covers a substantial fraction of the material below, and should have supplemented this with critical readings in areas where they have less background. Since the subject is broad in nature, each student will be expected to have acquired greater depth in some areas than in others. Students should discuss their study and reading plan with their advisor in their first semester at MIT. While it is not expected that students will cover all the readings listed, a working familiarity with the essential readings-as determined by your advisor- in each of the five areas below is required.

Doctoral candidates need to demonstrate basic foundation in both qualitative and quantitative methods. To provide general guidelines and readings in the range of qualitative and quantitative methods applicable to research in urban development and design, a **Research Methods** section is offered at the end of the document. However, it is expected that each student will develop with the guidance of her/his advisor a list of readings and courses in research methods applicable to their particular research.

### **General Exam Timeline**

During their third semester, the student will form a three person general exam committee, headed by a DUSP faculty member. By the end of the third semester, the student will prepare a short (e.g. 6 -10 pp.) general exam proposal. The proposal will contain a short description of their first

and second field including selected readings, appropriate courses taken, and sample questions. If a student wishes to modify one of the standard first fields or define a new First Field, additional detail will be required.

By the beginning of the fourth semester, the student's general exam committee will have offered suggestions on the general exam proposal so that the student can spend the spring semester preparing for the exam and taking other necessary classes. The student then takes the general exam at the end of their fourth semester or, in early September of their third year depending on whether or not summer reading is necessary.

## CDD AREAS OF CONCENTRATION

### 1. THEORIES OF URBAN FORM AND CITY DESIGN

This section includes general theories and criticism of design processes and specific techniques of designing urban development projects. This area encompasses both normative theories; the values and norms that might provide the basis for deliberately shaping the form of settlements and cities, and descriptive theories; aimed at understanding how built forms have evolved over time. This section also includes literature that is best described as criticism of theories and processes of urban development.

*Normative Theories:* The normative or prescriptive theories emphasize the “what should be”, in contrast to the descriptive knowledge, which emphasizes the “what is”. In a way the two are conceptual poles, normative theories are about designing cities, while descriptive theories are about understanding cities.

*Descriptive Theories:* As mentioned above the literature in this section emphasizes the “what is” and at times also the “why”. Here the range is quite vast and includes literature based on the analysis of human perception, public space, information technology and urban restructuring.

*Criticism:* This sub-section builds up on the last one. Most of the literature mentioned here is based on substantive or descriptive understandings. It ranges from the criticism of modern architecture and city planning, to today’s post-modernist critiques.

Preparation might include the following courses:

- Advanced Seminar in City Form
- Advanced Seminar in Urban Nature and City Design
- Ideal Forms of Contemporary Urbanism
- Social Theory and the City
- Theory of City Form
- Advanced Studies in The History, Theory & Criticism of Art and Architecture
- Urban Design and Development
- Urban Design Seminar
- The Growth and Spatial Structure of Cities

Recommended readings:

## A. Normative Theories

- Alexander, Christopher (1987). *A New Theory of Urban Design*. New York: Oxford University Press.
- Appleyard, Donald and Allan Jacobs (1982). *Toward an Urban Design Manifesto*. Berkeley: Institute of Urban and Regional Development, University of California.
- Barnett, Jonathan (1995). *The fractured metropolis: improving the new city, restoring the old city, reshaping the region*. New York: Harper Collins.
- Calthorpe, Peter (1993). *The Next American Metropolis: Ecology, Community, and the American Dream*. New York: Princeton Architectural Press.
- Calthorpe, Peter and William Fulton (2001). *The Regional City: Planning for the End of Sprawl*. Washington, DC: Island Press,
- Cullen, Gordon (1971, c1961). *The Concise Townscape*. New York: Van Nostrand Reinhold.
- Duany, Andres and Elizabeth Plater-Zyberk (1991). *Towns and Town-Making Principles*. Cambridge, MA: Harvard University, Graduate School of Design.
- Friedmann, John (1993). "Toward a Non-Euclidian Mode of Planning." *Journal of the American Planning Association* Vol. 59, No. 4 (Autumn): 482-486.
- Garvin, Alexander (1996) *The American City: What Works, What Doesn't*, New York: McGraw-Hill,
- Hillier, Bill (1996). *Space is the Machine: A Configurational Theory of Architecture*. Cambridge; New York: Cambridge University Press.
- Howard, Ebenezer (1965, c1898). *Garden Cities of Tomorrow*. Cambridge, MA, MIT Press.
- Krier, Rob (1979). *Urban Space*. New York: Rizzoli.
- Le Corbusier (1987). *The City of To-morrow and its Planning*. New York: Dover.
- Lynch, Kevin (1976). *Managing the Sense of a Region*. Cambridge, MA: MIT Press.
- Lynch, Kevin (1981). *A Theory of Good City Form*. Cambridge, MA: MIT Press.
- Newman, Oscar (1995). "Defensible Space: A New Physical Planning Tool for Urban Revitalization." *Journal of the American Planning Association* Vol. 61, No. 2 (Spring): 149-155.
- Rossi, Aldo (1982). *The Architecture of the City*. Cambridge, MA: MIT Press.
- Sitte, Camillo (1889; 1965). *City Planning According to Artistic Principles*. New York: Random House
- Spirn, Whiston Anne. (1998) *The Language of Landscape*. New Haven: Yale University Press
- Trancick, Rogers (1986). *Finding Lost Space: Theories of Urban Design*. New York: Van Nostrand Reinhold
- Wright, Frank Lloyd (1935). "Broadacre City: A New Community Plan." *Architectural Record* Vol. LXXVII, (April): 243-254.

## B. Descriptive Theories

- Bacon, Edmund N. (1967). *Design of Cities*. New York: Viking Press.
- Banerjee, Tridib and Michael Southworth (1990). *City Sense and City Design: Writings and Projects of Kevin Lynch*. Cambridge, MA: MIT Press.
- Barnett, Jonathan (1982). *An Introduction to Urban Design*. New York: Harper & Row.
- Burgess, Ernest W. (1925). "The Growth of the City: An Introduction to a Research Project." In: *The City*, edited by Robert Park, Ernest W. Burgess and Roderick D. Mckenzie. Chicago: University of Chicago Press.
- Bruegmann (2005). *Sprawl: A Compact History*. Chicago: University of Chicago Press .
- Castells, Manuel (1984). *The Informational City: information technology, economic restructuring, and the urban regional process*. Oxford, UK; Cambridge, MA: Blackwell.

- Gillam, Oliver (2002). *The Limitless city: a primer on the urban sprawl debate*. Washington, DC: Island Press.
- Gosling, David and Barry Maitland (1984). *Concepts of Urban Design*. London: Academy Eds.; New York: St. Martin's Press.
- Hiss, Tony (1990). *The Experience of Place*. New York: Knopf.
- Krier, Rob (1993). *Rob Krier: Architecture and Urban Design*. London: Academy Editions.
- Lang, Jon T. (1994). *Urban Design: the American Experience*. New York: Van Nostrand Reinhold.
- Lefebvre, Henri (1991). *The Production of Space*. Oxford: UK; Cambridge, MA: Blackwell.
- Lefebvre, Henri (1996). *Writings on Cities*. Oxford: UK; Cambridge, MA: Blackwell.
- Lynch, Kevin (1972). *What Time is This Place?* Cambridge, MA: MIT Press.
- Lynch, Kevin (1994, c1960). *The Image of the City*. Cambridge, MA: MIT Press.
- Rybczynski, Witold (1993). "The New Downtowns." *The Atlantic Monthly* (May): 98-106.
- Sennett, Richard (1990). *The Conscience of the Eye: the Design and Social Life of Cities*. New York: Knopf.
- Webber, Melvin (1964). "The Urban Place and the Nonplace Urban Realm." In: *Explorations into Urban Structure*, edited by Webber et al. Philadelphia: University of Pennsylvania Press.
- Wheeler, Stephen M. (2002). "The New Regionalism: Characteristics of an Emerging Movement," *Journal of the American Planning Association*, Vol. 68, No. 3 (Summer):267-278.
- Whyte, William Hollingsworth (1980). *The Social life of Small Urban Spaces*. Washington D.C.: Conservation Foundation.
- Whyte, William Hollingsworth (1988). *City: Rediscovering the Center*. New York: Doubleday.

### C. Criticism

- Alexander, Christopher (1965). "A City is not a Tree." *Architectural Forum* Vol. 122, No. 1, (April): 58-62 and Vol. 122, No. 2, (May): 58-61.
- Ben-Joseph, Eran (2005). *The Code of the City: Standards and the Hidden Language of Place Making*. Cambridge, MA: MIT Press.
- Davis, Mike (1990). *City of Quartz: Excavating the Future in Los Angeles*. London; New York: Verso.
- Dutton, John A (2000). *New American urbanism: re-forming the suburban metropolis*. New York: Abbeville Pub. Group.
- Ellis, Cliff (2002). "The New Urbanism: Critiques and Rebuttals," *Journal of Urban Design*, Vol. 7, No. 3: 261-291.
- Jackson J. B. (1952). "The Almost Perfect Town." *Landscape* Vol. 2, No. 1, (Spring): 2-8.
- Jacobs, Jane (1961). *The Death and Life of Great American Cities*. New York: Random House.
- Lerup, Lars (2000). *After the City*. Cambridge, MA: MIT Press.
- Mumford, Lewis (1937). "What is a City?" *Architectural Record* Vol. LXXXII, (Nov.): 59-62.
- Ockman, Joan (1985). *Architecture Criticism Ideology*. Princeton, NJ: Princeton Architectural Press.
- Spirn, Whiston Anne (1984) *The Granite Garden: Urban Nature and Human Design*. New York: Basic Books.
- Talne, Amily and Cliff Ellis (2002). "Beyond Relativism: Reclaiming the Search for Good City Form" *Journal of Planning Education and Research* 22:36-49.
- Venturi, Robert (1966). *Complexity and Contradiction in Architecture*. New York: Museum of Modern Art; distributed by Doubleday, Garden City, NY.
- Venturi, Robert; Denise Scott Brown, and Steven Izenour (1972). *Learning from Las Vegas*. Cambridge, MA: MIT Press.

## 2. HISTORY OF URBAN FORM AND DEVELOPMENT

This area includes the evolution of cities as seen through their spatial forms and buildings, the more general social history of urbanization, utopian experiments, the record of planned settlements, and the history of important components of cities such as housing, parks and open spaces, downtown areas, suburbs and transportation networks.

Preparation might include the following courses:

- Theory of City Form
- History of Urban Form
- Introduction to the History and Theory of Architecture
- Gender, Space, Architecture
- Advanced Study in the History of Urban Form
- Advanced Seminar in City Form
- Advanced Seminar in Urban Nature and City Design
- Social Theory and the City
- Urban Design and Development

Recommended readings: (see also theory and practice sections)

- Bishop, Jeff, John de Monchaux, et. al. (1984). "Place Debate: Milton Keynes." *PLACES* Vol. 1, No. 4: 9-27.
- Caro, Robert. (1975) *The Power Broker: Robert Moses and the Fall of New York*, New York: Vintage Books.
- Choay, Françoise. (1970, c1969) *The Modern City: Planning in the 19th Century*. London ; New York: Routledge.
- Cronon**, William. (1991) *Nature's Metropolis: Chicago and the Great West*. New York: W. W. Norton.
- Engels, Friedrich (1892). "The Great Towns." In: *The Condition of the Working Class in England*. Translated by Florence Kelley Wischnewtzky. London: Allen and Unwin.
- Fishman, Robert (1988). "The Post-War American Suburb: A New Form, A New City." In: *Two Centuries of American Planning*, edited by Daniel Schaffer. Baltimore: Johns Hopkins University Press.
- Fogelson, Robert M. (1993) *The Fragmented Metropolis : Los Angeles, 1850-1930* Berkeley, Ca: University of California Press.
- Hall, Peter (2002). *Cities of tomorrow: an intellectual history of urban planning and design in the twentieth century*. Oxford, UK ; Malden, MA: Blackwell Pub.
- Hayden, Dolores (2003). *Building Suburbia, green fields and urban growth, 1820-2000*. New York: Pantheon Books.
- Jackson, Kenneth T. (1985). *Crabgrass Frontier* New York : Oxford University Press.
- Koolhaas, Rem (1978). *Delirious New York: A Retroactive Manifesto for Manhattan*. New York: Oxford University Press.
- Kostof , Spiro (1987) *America By Design*. New York : Oxford University Press.
- Kostof , Spiro (1992) *The City Assembled: The Elements of Urban Form Through History*. Boston: Little, Brown.
- Luberoff, David; Alan Altshuler and Christie Baxter (1993). *Mega-Project - A Political History of the*

- Central Artery/Third Harbor Tunnel Project*. Chapters 1& 2. Cambridge, MA: JFK School of Government, Harvard University.
- Morris, A.E.J. (1988). *History of Urban Form: Before the Industrial Revolution*. New York :Wiley.
- Mumford, Lewis (1961). *The City in History: its origins, its transformations, and its prospects*. New York: Harcourt, Brace & World.
- Reps, John William (1965). *The Making of Urban America: A History of Planning in the United States*. Princeton, N.J.: Princeton University Press.
- Rykwert, Joseph (1976). *The idea of a Town: the anthropology of urban form in Rome, Italy and the ancient world*. Princeton, NJ: Princeton University Press.
- Scott, Mel (1969). *American city planning since 1890; a history commemorating the fiftieth anniversary of the American Institute of Planners*. Berkeley: University of California Press.
- Sutcliffe, Anthony (Ed.) (1980). *The Rise of Modern Urban Planning, 1800-1914*. New York : St. Martin's Press.
- Warner, Sam Bass (1969 [c1962]). *Streetcar Suburbs*. New York: Atheneum.
- Weiss, Marc (1987). *The rise of the community builders : the American real estate industry and urban land planning* . New York : Columbia University Press.
- Williams, Raymond. (1973). *The Country and the City*. London: Oxford University Press.

### 3. DESIGN PRACTICE

This area includes general theories of the design process and specific techniques of urban design development projects

Preparation might include a combination of the following courses:

- Advanced Studies In The History, Theory & Criticism of Art And Architecture
- Community Growth and Land Use Planning
- Real Estate Development I and II
- Site And Urban System Planning
- Main Streets
- Case Studies in City Form
- Urban Housing: Paris, London, New York
- Urban Transformations Workshop
- Urban Design Studios
- Urban Design Workshops
- Space Between Workshop

Recommended readings:

- Adams, Thomas (1934) *The Design of Residential Areas: Basic Considerations, Principals and Methods*. Cambridge, Massachusetts: Harvard University Press.
- Alexander, Christopher (1964). *Notes on the Synthesis of Form*. Cambridge, MA.: Harvard University Press.
- Appleyard, Donald and Kevin Lynch (1964). *The View from the Road*. Cambridge MA: MIT Press.
- Appleyard, Donald (1981). *Livable Streets* Berkeley, Ca.: University of California Press.
- Barnett, Jonathan (1986). *The Elusive City: Five Centuries of Design, Ambition and Miscalculation*. New York: Harper and Row.
- Barnett, Jonathan. (2003). *Redesigning cities: principles, practice, implementation*. Chicago: Planners Press.
- Benevolo, Leonardo (1967). *The Origins of Modern Town Planning*. Cambridge, Massachusetts: The MIT Press.
- Blumenfeld, Hans (1972). *The Modern Metropolis: Its Origins, Growth, Characteristics, and Planning*. edited by Paul D. Spreiregen. Cambridge, Mass.: MIT Press.
- Bofill, Ricardo and Leon Krier (1985). *Architecture, Urbanism and History*. New York, NY.: Museum of Modern Art.
- Boyer Christine (1983). *Dreaming the Rational City, the Myth of American City Planning*. Cambridge: MIT Press
- Broadbent, Geoffrey (1990). *Emerging Concepts in Urban Space Design*. London: Van Nostrand Reinhold (International).
- Calthorpe, Peter and Sim Van der Ryn (1986). *Sustainable Communities: A New Design Synthesis for Cities, Suburbs and Towns*. California: Sierra Club Books.
- Crouch, Dora, et al. (1967). *The Legacy of Raymond Unwin: A Human Pattern for Planning*. Cambridge, Massachusetts: The MIT Press.
- Cullen, Gordon (1982). *Spanish City Planning in North America*. Cambridge, Massachusetts: The MIT

- Press, 1982.
- Cuthberth , Alexander (2003). *Designing Cities, Critical Readings in Urban Design*  
Malden, MA: Blackwell Publishing.
- Dahir, James (1947). *The Neighborhood Unit Plan*. New York: Russell Sage Foundation.
- Easterling, Keller (1993). *American Town Plans: A Comparative Time Line*. New Jersey: Princeton  
Architectural Press.
- Fisher, Irving D. (1986). *Frederick Law Olmsted and the City Planning Movement in the United States*.  
Ann Arbor, Mich.: UMI Research Press.
- Fishman, Robert (1977). *Urban Utopias in the Twentieth Century : Ebenezer Howard, Frank Lloyd  
Wright, and Le Corbusier*. New York: Basic Books.
- Fishman, Robert. (1986). *Bourgeois Utopias : The Rise and Fall of Suburbia*. New York: Basic Books.
- Gallion, Arthur B. (1980). *The Urban Pattern: City Planning and Design*. New York: Van Nostrand.
- Garreau, Joel (1991). *Edge City: Life on the New Frontier*. New York: Doubleday.
- Gehl, Jan (1987). *Life Between Buildings: Using Public Space*. New York, NY.: Van Nostrand  
Reinhold.
- Hayden, Dolores (1984). *Redesigning the American Dream*. New York: W.W. Norton and Co.
- Hough, Michael (1995). *Cities and Natural Processes*. London; New York: Routledge.
- Hoyt, Homer (1939). *The Structure and Growth of Residential Neighborhoods in American Cities*.  
Washington D.C.: Federal Housing Administration.
- Jackson, John Brinckerhoff (1972). *American Space: The Centennial Years, 1865-1876*. New York:  
Norton.
- Jacobs, Allan B. (1996). *Great Streets*. Cambridge MA: MIT Press.
- Kostof, Spiro (1991). *The City Shaped: Urban Patterns and Meanings through History*. Boston MA:  
Bulfinch Press.
- Kostof, Spiro (1992). *The City Assembled : The Elements of Urban Form Through History*. Boston,  
MA: Little Brown.
- Krier, Leon (1978). *Urban Transformations*. London: Architectural Design, AD Editions.
- Le Corbusier (1948). *Concerning Town Planning*. New Haven, Conn.: Yale Univ. Press.
- Lewis, Roger (1987). *Shaping the City*. New York: American Institute of Architects.
- Lynch, Kevin (1971). *Site Planning*. 2d ed. Cambridge, MA.: The MIT Press.
- Marcus, Clare Cooper and Carolyn Francis, eds.(1990) *People Places : Design Guidelines for Urban  
Open Space*. New York, NY.: Van Nostrand Reinhold.
- Martin, L. and L. March, eds. (1972). *Urban Space and Structures*. Cambridge, England: Cambridge  
University Press.
- McCluskey, Jim (1979). *Roadform and Townscape* London: Reed International.
- McHarg, Ian. (1992). *Design with Nature*. New York : J. Wiley.
- Moudon, Anne Vernez (1986). *Built for Change : Neighborhood Architecture in San Francisco*.  
Cambridge, MA.: MIT Press.
- Moudon, Anne Vernez, ed. (1991). *Public Streets for Public Use*. New York: Columbia University Press.
- Moughtin, Cliff. (2003). *Urban design: street and square* (3rd ed.) Boston: Architectural Press, 2003.
- Peets, Elbert (1968). *On the Art of Designing Cities: selected essays of Elbert Peets*. Cambridge, MA.:  
The MIT Press.
- Perry, Clarence Arthur (1939). *Housing for the Machine Age*. New York: Russell Sage Foundation.
- Rudofsky, Bernard (1969). *Streets for People: a primer for Americans*, Garden City, N.Y.: Doubleday.
- Scott Brown, Denise (1990). *Urban Concepts*. New York: St. Martin's Press.
- Scully, Vincent (1969). *American Architecture and Urbanism*. New York: Henry Holt and Company.  
Revised ed. 1988.
- Soutworth Michael and Eran Ben-Joseph (2003) *Streets and the Shaping of Towns and Cities*.  
Washington DC: Island Press.

- Stein Clarence S. (1951). *Toward New Towns for America*. New York: Reinhold Pub. Corp.
- Unwin Raymond (1909). *Town Planning in Practice*. London: Fisher Unwin.
- Warner, Sam Bass (1972). *The Urban Wilderness: A History of the American City*. New York: Harper & Row.
- Watson, D., A. Plattus, and D. Watson and R. Shibley (eds.) (2003). *Time-saver standards for urban design*. New York: McGraw-Hill, 2003.

#### 4. POLITICS AND REGULATIONS OF CITY DESIGN AND DEVELOPMENT

This area includes theories of the process of planning cities and urban developments, including the role of ideologies, power, political dynamics, regulation and planning procedures, institutions and organizations. It is divided into sub-sections around the ideas of legal frameworks and urban design politics.

*Zoning, Land Use and Legal Frameworks:* This sub-section contains literature that tries to explain and understand the impact of the legal framework on urban development through zoning, regulations and land use.

*Urban Design Politics:* This sub-section includes literature from urban sociology, power politics, gender and racial politics.

*Urban Design Policies:* This sub-section includes literature and critic on ways that governments influence the quality of environmental design. It focuses on the success and failure of methods for achieving urban design objectives through various public policy mechanisms.

Preparation might include the following courses:

- Urban Design Policy and Action
- Law and Politics Of Land Use
- Legal Aspects of Property and Land Use
- Planning and Institutional Processes
- Urban Design Politics
- Urban Transportation Planning
- Comparative Land Use and Transportation Planning
- The Comparative Politics of Urban Policy

Recommended readings:

## A. Zoning, Land Use and Legal Frameworks

- Altshuler, Alan A. (1993) *Regulation for revenue: the political economy of land use exactions*. Washington, D.C.: Brookings Institution; Cambridge, MA: Lincoln Institute of Land Policy.
- Altshuler, Alan A. (1999). The ideo-logics of land use politics, in Derthick, Martha. (1999) *Dilemmas of Scale in America's Federal Democracy*. Washington, DC: Woodrow Wilson Center Press and Cambridge: Cambridge University Press, pp. 189-226.
- Babcock, Richard (1979). "Zoning." In: *The Practice of Local Government Planning*, edited by Frank S. So and Judith Getzels. Washington D.C.: International City Management Association in cooperation with the American Planning Association.
- Babcock, Richard F. (1985). *The Zoning Game Revisited*. Boston: Oelgeschlager, Gunn & Hain.
- Beatley, Tim. (1994). *Ethical Land Use*. Baltimore : Johns Hopkins University Press.
- Ben-Joseph, Eran and Terry Szold (eds.) (2004). *Regulating Place: standards and the shaping of urban America*. New York : Routledge.
- Chapin, F. Stuart and Edward J. Kaiser (1979). *Urban Land Use Planning*. Urbana: University of Illinois Press.
- Chintz, Benjamin (1990). "Good for the Town, Bad for the Nation?" *Journal of the American Planning Association* Vol. 56, No. 1 (Winter): 3-8.
- Cullingworth, Barry J. (1994). "Alternative Planning Systems; Is There Anything to Learn From Abroad?" *Journal of the American Planning Association* Vol. 60, No. 2 (Spring): 162-172.
- Derthick, Martha, ed. (1999). *Dilemmas of Scale in America's Federal Democracy*. Washington, DC: Woodrow Wilson Center Press and Cambridge: Cambridge University Press.
- Diamond, Henry L. and Patrick F. Noonan (1996) *Land use in America*. Washington, D.C.: Island Press.
- Fischel, William A. (1991). "Growth Management Reconsidered: Good for the Town, Bad for the Nation?" *Journal of the American Planning Association* Vol. 57, No. 3 (Summer): 341-344.
- Godschalk, David (2004). "Land Use Planning Challenges: Coping With Conflicts in Visions of Sustainable Development and Livable Communities," *Journal of the American Planning Association*, Vol. 70, No. 1 (Winter):5-13.
- Haar, Charles M. and Jerold S. Kayden (1989) *Zoning and the American dream : promises still to keep*. Chicago, Illinois: Planners Press, American Planning Association in association with the Lincoln Institute of Land Policy.
- Jacobs, Allan B. (1978). *Making City Planning Work*. Chicago: American Society of Planning Officials.
- Kaiser, Edward J., and David R. Godschalk. (1995). "Twentieth Century Land Use Planning: A Stalwart Family Tree," *Journal of the American Planning Association*, Vol. 61, No. 3 (Summer ): 365-384.
- Lai, Richard Tseng-yu (1988). *Law in Urban Design and Planning: The Invisible Web*. New York: Van Nostrand Reinhold.
- Landis, John D. (1992). "Do Growth Controls Work? A New Assessment." *Journal of the American Planning Association* Vol. 58, No. 4 (Autumn): 489-508.
- Popper, Frank J. (1988). "Understanding American Land use Regulation Since 1970." *Journal of the American Planning Association* Vol. 54, No. 3 (Summer): 291-301.

## B. Urban Design Politics

- Castells, Manuel (1977). *The Urban Question: A Marxist Approach*. Cambridge, MA: MIT Press.
- Edelman, Murray (1995). *From Art to Politics: How Artistic Creations Shape Political Conceptions*. University of Chicago Press.
- Fainstein and Fainstein. (2002). "City Planning and Political Values: An Updated View" in *Readings in Planning Theory* .Campbell and Fainstein (eds)..

- Fainstein, Susan S. (1983) *Restructuring the city: the political economy of urban redevelopment*. New York : Longman.
- Forester, John (1987). "Planning in the Face of Conflict." *Journal of the American Planning Association* Vol. 53, No. 3, (Summer).
- Frieden, Bernard and Lynne Sagalyn (1989). *Downtown, Inc.: How America Rebuilds Cities*. Cambridge, MA: MIT Press.
- Gans, Herbert J. (1968). *People and Plans; Essays on Urban Problems and Solutions*. New York, Basic Books.
- Golany, Gideon (1995). *Ethics and Urban Design: Culture, Form and Environment*. New York: J. Wiley.
- Hayden, Dolores (1980), "What would a Non-sexist City be like? Speculations on Housing, Urban Design, and Human Work." In: *Women and the American City*, edited by Catharine Stimpson. Chicago: University of Chicago Press.
- Hayden, Dolores (1995). *The Power of Place: Urban Landscapes as Public History*. Cambridge, MA: MIT Press.
- Hayden, Dolores. (2004). *A Field Guide to Sprawl*. New York : W.W. Norton
- Innes, Judith E. 1996. Planning Through Consensus Building: A New View of the Comprehensive Planning Ideal. *Journal of the American Planning Association* Vol. 62 no. 4: 460-72.
- Katz, Bruce, ed. 2000. *Reflections on Regionalism*. Washington, DC: The Brookings Institution.
- King, Anthony D. (1996). *Re-presenting the City; ethnicity, capital, and culture in the 21st-century metropolis*. New York: New York University Press.
- Krumholz, Norm. 1990. *Making Equity Planning Work*. Philadelphia: Temple University Press.
- Logan, John R. (1987). *Urban Fortunes: The Political Economy of Place*. Berkeley, CA: University of California Press.
- Logan, John R. and Harvey L. Molotch. (1987) "The Social Construction of Cities," in *Urban Fortunes*: Loukaitou, Anastasia and Tridib Banerjee. (1997) *Urban Design Downtown: Poetics and Politics of Form* Berkeley: University of California Press,
- Orfield, Myron. 1997. *Metropolitcs: A Regional Agenda for Community and Stability*. Washington, DC and Cambridge, Mass.: Brookings Institution Press and The Lincoln Institute of Land Policy.
- Sagalyn, Lynne (2001). *Times Square Roulette: Remaking the City Icon*. Cambridge MA: MIT Press.
- Spain, Daphne (1992). *Gendered Spaces*. Chapel Hill: University of North Carolina Press.
- Vale, Lawrence J. (1992). *Architecture, Power and National Identity*. New Haven: Yale University Press.
- Weisman , Leslie Kanen. (1992) "The Spatial Caste System: Design for Social Inequality," in *Discrimination by Design: A Feminist Critique of the Man-made Environment*. Urbana: U. of Illinois Press, pp. 9-34.
- Zukin, Sharon. (1991) *Landscapes of Power: From Detroit to Disney World* Berkeley: University of California Press, pp. 3- 23.
- Zukin, Sharon (1992). *Loft Living: Culture and Capital in Urban Change*. Baltimore : Johns Hopkins University Press.
- Zukin, Sharon (1996; c. 1995). *The Culture of Cities*. Cambridge, MA: Blackwell.

### C. Urban Design Policy

- Baer, W.C. (1997). "Toward Design of Regulations for the Built Environment," *Environment and Planning B: Planning and Design*, Vol. 24, 1997.
- Cook, Robert S. (1980). *Zoning for Downtown Urban Design: How Cities Control Development*.

- Lexington, MA: Lexington Books.
- Costonis, John (1974). *Space adrift: Landmark preservation and the marketplace*. Urbana: Published for the National Trust for Historic Preservation by the University of Illinois Press.
- Costonis, John (1989). *Icons and Aliens: Law, Aesthetics, and Environmental Change*. Urbana: University of Illinois Press
- Dunn, William. (1994). *Public Policy Analysis: An Introduction (2<sup>nd</sup> ed.)*. Englewood Cliffs, N.J.: Prentice-Hall.
- Fishman, Robert (2000). *The American planning tradition: culture and policy*. Washington, DC: Woodrow Wilson Center Press.
- Kayden, Jerold (2000). *Privately Owned Public Space: The New York Experience*. New York: Wiley.
- Lai, Richard Tseng-yu (1988). *Law in Urban Design and Planning: The Invisible Web*. New York: Van Nostrand Reinhold.
- Majone, Giandomenico (1989). *Evidence, Argument and Persuasion in the Policy Process*. New Haven: Yale University Press.
- O'Hare, Michael (1986). "Environmental Management," in Winthrop Knowlton and Richard Zeckhauser (eds.), *American Society: Public and Private Responsibilities*. Cambridge, Massachusetts: Ballinger.
- Parsons, Wayne (1995). *Public Policy: An Introduction to the Theory and Practice of Policy Analysis*. Aldershot, UK ; Brookfield, Vt., US: Edward Elgar.
- Patterson, T. William (1979). *Land Use Planning: Techniques of Implementation*. New York: Van Nostrand Reinhold.
- Pearce, B.J. (1980). "Instruments for Land Policy: A Classification," *Urban Law and Policy*, Vol. 3, No. 2: 115-155.
- Pearce, B. J. (1981). "Property Rights vs. Development Control: A Preliminary Evaluation of Alternative Planning Policy Instruments," *Town Planning Review* Vol. 52, No. 1 (January): 47-60.
- Punter, John (1986). "A History of Aesthetic Control: Part 1, 1909-1953: The Control of the External Appearance of Development in England and Wales," *Town Planning Review* Vol. 57: 351-381.
- Punter, John (1987). "A History of Aesthetic Control: Part 2, 1953-1985: The Control of the External Appearance of Development in England and Wales," *Town Planning Review* Vol. 58: 29-62.
- Scheer, Brenda and Wolfgang Preiser, (eds.) (1994). *Design Review: Challenging Urban Aesthetic Control*. New York: Chapman & Hall.
- Schuster, J. Mark. et al (1997) *Preserving the built heritage: tools for implementation*. Hanover, NH : University Press of New England.
- Stone, Deborah (1997). *Policy Paradox: The Art of Political Decision Making*. New York: W. W. Norton.
- Vale, Lawrence, J. and Sam Bass Warner (2001). *Imaging the City*. New Brunswick, N.J.: Center for Urban Policy Research.

## 5. ECONOMICS OF URBAN DEVELOPMENT

This area includes theories of economic development, markets for developments, real estate economics and finance, the regulatory environment in relation to economics, and partnerships in development. The literature in this section deals with the urban impact of global economic processes, and includes discussions on public-private partnerships in urban development. Included is literature that recommends such partnerships and other that criticizes it.

Preparation might include a combination of the following subjects:

- Topics in Real Estate Finance
- Advanced Topics in Real Estate Finance
- Real-Estate Economics
- Real-Estate Finance and Investment
- Legal Issues in the Development Process
- International Construction Finance
- E-Commerce and the Internet in Real Estate and Construction
- Entrepreneurship in Construction and Real Estate Development
- Public Finance in Developing Countries

Recommended readings:

- Altshuler, Alan A. (1994). *The Governance of Land: Critical Issues and Research Priorities*. Cambridge, MA: Lincoln Institute of Land Policy.
- Dipasquale, Denise and William Wheaton (1996). *Urban Economics and Real Estate Markets*. Englewood Cliffs, NJ: Prentice Hall.
- Fainstein, Susan S. (1994). *The City Builders: property, politics, and planning in London and New York*. Oxford: UK; Cambridge, MA.: Blackwell.
- Fainstein, Susan S. and Norman Fainstein (1991). *Public-private partnerships for urban (re)development in the United States*. Piscataway, NJ: Center for Urban Policy Research.
- Harvey, David (1985). *Consciousness and the urban experience : studies in the history and theory of capitalist urbanization*. Baltimore: John Hopkins University Press.
- Jacobs, Jane (1969). *The Economy of Cities*. New York: Random House.
- Kasarda, John (1990) "The Jobs-Skills Mismatch." *New Perspectives Quarterly* Vol. 7, No. 4, (Fall): 34-37.
- Kayden, Jerold (1978). *Incentive Zoning in New York City: A Cost Benefit Analysis*. Cambridge, MA: Lincoln Institute of Land Policy.
- Lowry, Ira S. (1967). *Seven Models of Urban Development; A Structural Comparison*. Santa Monica, CA: Rand Corporation.
- Morrill, Richard L. (1974, c1970). *The Spatial Organization of Society*. North Scituate, MA: Duxbury Press.
- Sassen, Saskia (1991). *The Global City: New York, London, Tokyo*. Princeton, NJ: Princeton University Press.
- Sassen, Saskia (1994). *Cities in a World Economy*. Thousand Oaks, Calif.: Pine Forge Press.
- Wheaton, William C. (1993). *Downtowns versus edge cities: spatial competition for jobs in the 1990s*. Cambridge, MA: MIT, Center for Real Estate, Working Paper.

Wheaton, William C. (1996). *Land use and density in cities and congestion*. Cambridge, MA: MIT, Center for Real Estate, Working Paper.

## RESEARCH METHODS

Students need to demonstrate basic foundation in both qualitative and quantitative methods applicable to the study of urban development and city design. This requirement can be achieved by courses taken prior to entering the doctoral program, by taking the appropriate courses at the MCP level or taking relevant courses at other departments. Advance method courses should be tailored according to the student's proposed research and in accordance with the student advisor and Ph.D. committee requirements.

Preparation might include the following courses:

- Making Sense: Qualitative Methods for Designers and Planners
- Crafting Research Questions and Qualitative Methodology
- Quantitative Reasoning and Statistical Methods for Planning
- Field Research Methods (Offered through Political Science)
- Qualitative Research: Design and Methods (Offered through Political Science)
- Quantitative Research Methods: Multivariate (Offered through Political Science)
- Uses and Abuses of Social Research: Knowledge in the Public Domain
- Research Seminar on Urban Information Systems (UIS)
- Advanced Seminar in Urban and City Design
- Reading and Telling Landscape: Photography as Inquiry
- Research Seminar in Design and Computation
- Theory And Method In The Study Of Architecture And Art
- Intermediate Statistics: Applied Regression and Data Analysis (Offered through the Harvard Graduate School of Education)
- Applied Data Analysis (Offered through the Harvard Graduate School of Education)
- Qualitative Data Analysis (Offered through the Harvard Graduate School of Education)

Recommended Readings:

Abbott, Carl and Sy Adler (1989). "Historical Analysis as a Planning Tool." *Journal of the American Planning Association*. Vol. 55: 467-473.

Audirac, Ivonne and Anne H. Shermeyen (1994). "An Evaluation of Neotraditional Design's Social Prescription: Postmodern Placebo or Remedy for Suburban Malaise?" *Journal of Planning Education and Research* (Spring): 161-173.

Becker, Howard Saul (1986). *Writing for social scientists : how to start and finish your thesis, book, or article*. Chicago: University of Chicago Press.

Bell, Paul A., Jeffrey D. Fisher, and Ross J. Loomis (1978). *Environmental Psychology* Philadelphia: W.B. Saunders Company.

Berman, Marshall (1988). "The Experience of Modernity." In: *Design After Modernism*. John Thackara (ed). New York: Thames and Hudson.

- Bosselmann, Peter, and Kenneth H. Craik (1985). *Perceptual Simulations of Environments*. Berkeley: Institute of Urban and Regional Development, University of California, Berkeley, Working paper no. 444.
- Bosselmann, Peter, et al. (1991) *Sun, Wind, and Pedestrian Comfort / A Study of Toronto's Central Area*. Toronto: Department of Planning and Development, City of Toronto.
- Bosselman, Peter. (1998) *Representation of Places: Reality and Realism in City Design*, Berkeley: UC Press.
- David Canter (1977). *The Psychology of Place*. London: The Architectural Press.
- Chadwick, Bruce, et. al. (1984). *Social Science Research Methods*. New York: Prentice Hall.
- Clay, Grady (1973). *Close-up. How to read the American City*. New York, Praeger
- Clay, Grady (1994). *Real Places: An Unconventional Guide to America's Generic Landscape*. Chicago: University of Chicago Press
- de Neufville, Judith (1987). "Knowledge and Action: Making the Link." *Journal of Planning Education and Research*. Vol. 6, No. 2: 86-92.
- Dillman, Don A (1978). *Mail and Telephone Surveys: The Total Design Method*. New York: Wiley and Sons.
- Dubin, Robert (1978). *Theory Building*. New York: Free Press.
- Emerson, Robert; Rachel Fretz and Linda Shaw (1995). *Writing Ethnographic Field Notes*. Chicago: University of Chicago Press.
- Etzioni, Amitai, and Frederick L. Dubrow, eds. (1970). *Comparative Perspectives: Theories and Methods*. Boston, MA.: Little Brown.
- Guetzkow, Harold (1962). *Simulation in Social Science*. Englewood Cliffs, N.J.: Prentice-Hall.
- Habermas, Jurgen (1970). *Toward a Rational Society; Student Protest, Science, and Politics*. Boston: Beacon Press.
- Habermas, Jurgen (1983). "Modernity an Unfinished Project." In: *The Anti-Aesthetic: Essays on Postmodern Culture*. Hal Foster (ed.). Washington: Port Townsend.
- Hall, Edward T. (1969). *The Hidden Dimension*. Garden City, N.Y.: Doubleday.
- Hanson, Norwood (1969). *Perception and Discovery*. San Francisco, CA.: Freeman Cooper.
- Haring, Douglas G.(1956). "Comments on the Field Techniques in Ethnology." In: *Personal Character and Cultural Milieu*. D. Haring(ed.) Syracuse: Syracuse Univ. Press.
- Harvey, David (1989). *The Condition of Postmodernity: An Enquiry into the Origins of Cultural Change*. Oxford: England; New York: Blackwell.
- House, Peter William (1982) *The Art Of Public Policy Analysis: The Arena Of Regulations And Resources*. Beverly Hills: Sage Publications.
- Jacobs, Allan B. (1985). *Looking at Cities*. Cambridge MA: Harvard University Press.
- Kaplan, Abraham. (1964) *The Conduct Of Inquiry; Methodology For Behavioral Science*. San Francisco, CA.: Chandler Pub. Co.
- J. Lofland and H. Lofland (1984). *Analyzing Social Settings: A Guide to Qualitative Observation and Analysis* (2<sup>nd</sup> edition). Belmont, California: Wadsworth.
- McAllister, D. M. (1982) *Evaluation in Environmental Planning*. Cambridge, MA.: MIT Press.
- McKechnie, G. E. (1977). "Simulation Techniques in Environmental Psychology." In: *Perspectives on Environment an Behavior Theory Research and Application*. D. Stokolos (ed.). New York: Plenum.
- Marcus, Clare Cooper (1975). *Easter Hill Village: Some Social Implications of Design*. New York: Free Press.
- Michelson, William, Robert B. Bechtel and Robert W. Marans, eds. (1987). *Methods in Environmental and Behavioral Research*. New York: Van Nostrand.
- Michelson, William. ed. (1975) *Behavioral Research Methods in Environmental Design*. Stroudsburg, PA.: Dowden, Hutchinson & Ross, Inc.
- Michelson, William (1970). *Man and His Urban Environment: A Sociological Approach*. Reading,

- MA.: Addison-Wesley Pub. Co.
- Moudon, Anne Vernez. (1992) "A Catholic approach to Organizing What Urban Designers Should Know." *Journal of Planning Literature*, Vol. 6, No. 4 (May): 332-349.
- Mugerauer, Robert (1994). *Interpretations on Behalf of Place; Environmental Displacements and Alternate Responses*. Albany: SUNY Press.
- Mumford, Lewis (1945). *City Development*. Harcourt, New York, NY: Brace.
- Patton Carl, and David Sawicki (1986). *Basic Methods of Policy Analysis and Planning*. New York: Prentice Hall.
- Michael Quinn Patton (1990). *Qualitative Evaluation and Research Methods*. Newbury Park, California: Sage.
- Quade, Edward S. (1989) *Analysis for Public Decisions*. New York: North-Holland.
- Sayer, Andrew (1992). *Method in Social Science; A Realistic Approach* London: Routledge.
- Schoggen, Phil (1989). *Behavior settings : a revision and extension of Roger G. Barker's Ecological psychology*. Stanford, CA: Stanford University Press.
- Simon Julian L. (1978). *Basic Research Methods in Social Science; The Art of Empirical Investigation*. New York: Random House.
- Stilgoe, John (1998). *Outside Lies Magic: Regaining History and Awareness in Everyday Places*. New York : Walker and Co.
- Webb, Eugene, Donald F. Campbell, Richard Schwartz, and Lee Sechrest (1966). *Unobtrusive Measures: Nonreactive Research in the Social Sciences*. Chicago IL.: Rand McNally.
- Whyte, William F. (1984). *Learning From the Field: A Guide From Experience*. Beverly Hills: Sage.
- Wilson, R. L. (1962). "Liveability in the City: Attitudes and Urban Development." In: *Urban Growth Dynamics*. S. F. Chapin and S. F. Weiss (eds). New York: Wiley.
- Yin, Robert (1984). *Case Study Research: Design and Methods*. New York: Sage Publications.
- Zeisel, John (1981). *Inquiry by Design: Tools for Environment-Behavior Research*. Monterey, CA: Brooks/Cole.