**School of Architecture | Georgia Tech | Fall 2019**

ARCH 6151/6352: Theories of Urban Design/Theory Two (3 credits)

* ARCH 6151 is required for MSUD and MRED students and counts as a required course for MCRP students in the urban design specialization.
* ARCH 6352 meets the Theory Two requirement within the NAAB-accredited M.Arch2 and M.Arch3

Credit Hours: 3 credits

Classroom: Arch West 258

Days and hours of class: T 6:00-8:45pm

Instructor: Ellen Dunham-Jones

Arch West 355, [edj@gatech.edu](mailto:edj@gatech.edu)

Office Hours by appointment

Teaching Assistant: Yilun Zha

[yilunzha@gatech.edu](mailto:yilunzha@gatech.edu)

Office hours by appointment

**Course Description**

ARCH 6151: Contemporary theories of urban design and their relationship to the contemporary city examined through architects' writings, urban projects, and interdisciplinary criticism

ARCH 6352: Approaches to architectural form, style, and tectonics from aesthetic, social, and technological perspectives. Instrumental and symbolic uses of architectural media in design and building production.

Bracketed by discussions of historical and contemporary theories and issues, the bulk of the course is organized around four perennial urban design themes. Each theme will be the focus for two weeks with lectures, assigned “classic” texts and class discussions. How do the different authors propose that territory should be organized? How do they treat public space vs private property? Program vs type? Site vs cultural context? Social vs formal concerns? In addition to the “classic” texts, other brief readings will support the primary text, criticize it, or bring it into the present. The four themes are:

**Incremental and Empirical.** The primary text will be Jane Jacobs’ *Death and Life of Great American Cities*. Additional readings and discussion will include ideas about self-organizing communities, pattern languages, placemaking and new urbanism.

**Typology and Morphology**. The primary texts will be Aldo Rossi’s *Architecture of the City* and Rem Koolhaas’ *Delirious New York.* Additional readings and discussion will include the role of precedent vs invention, objects vs networks, urban morphology, and space syntax.

**Context and Composition**. The primary texts will be Colin Rowe’s *As I Was Saying: Urbanistics* and Rem Koolhaas’s *S,M,L,XL* urban essays. Additional readings and discussion will include the arguments for and against contextualism, civic art, figures vs fields, master planning vs indeterminacy, and top-down vs bottoms-up smart cities.

**Ecology and Environment**. The primary texts will be Ian McHarg’s *Design With Nature* and Peter Calthorpe’s *Urbanism in the Age of Climate Change*. Additional readings and discussions will include issues of landscape urbanism, ecocities, mitigation vs adaptation to climate change, megacities, and megaslums.

**Course Objectives**

# This course is organized to accomplish the following:

# Equip students with an understanding of the foundational ideas and social, economic, and ecological design strategies that we confront and debate in the practice of urban design and in the interface between buildings and cities.

1. Provide students with both a chronological overview of how urban design thinking has evolved from the late 19th century to the present, as well as deep discussion of recurring urban design themes/questions.
2. Challenge urban design, architecture, city planning and real estate students to learn from each other.
3. Help students think critically about the multiple ways their future careers will shape cities and impact environmental, economic, and public health.
4. Introduce students to the increasing challenges of climate change, gentrification, income inequality, and automation.

# Learning Objectives

1. By reading several seminal theoretical texts on urban design, students will gain understanding of the range of thought and concerns that have influenced urban design practice, and in turn, the physical form of cities and neighborhoods.
2. By writing weekly summaries of the readings, students will improve their ability to critically synthesize and compare and contrast different perspectives.
3. By attending the lectures, students will learn the overall trajectory of urban design thinking in response to different social, economic, and ecological challenges.
4. By participating in interdisciplinary class discussions, students will engage in active learning about the construction of arguments, collaboration, and positioning themselves within communal debates.
5. By writing a final position paper, students will further develop their ability to position their thinking within the larger context of urban design discourse and practice.

**Required Texts**

This course’s extensive reading is spelled out on the Canvas website in the modules for each week. Students are required to purchase copies of *The Death and Life of Great American Cities* and *Urbanism in the Age of Climate Change.* These books will be read in their entirety. Students are strongly recommended to purchase copies of *The Architecture of the City, Delirious New York,* and *Design With Nature*. Significant portions of these books will be read and students will be required to skim those portions not required. All other required texts will either be available as PDF’s on Canvas or available online at the given website. The “Optional readings” are not required. They are provided simply as recommendations for further reading at your leisure or to inform your final paper.

# Course Requirements

Reading Summaries and Final Paper

The principal work will be completing the reading and writing weekly 1-page reading summaries that prepare for participation in class discussions and small-group exercises. In addition, students will write an 8-page final paper in lieu of a final exam positioning their future work relative to readings from the class.

The summaries are to follow a precise format: 1-page of single-spaced, 11 pt text, not including the bullet point notes (no 5 below). If you're particularly inspired you may add additional paragraphs but not to exceed 2-pages. In general, tight paragraphs sticking to the format below are greatly preferred over rambling observations.

1. Compose two questions formed while reflecting on the required reading and that you would like to raise in class. Be prepared to ask and discuss your questions (even though we will not get to everyone’s questions every week.) The questions should be at the top of your page.
2. Write one paragraph **summarizing the overall subject** of the week’s reading(s). When there are multiple readings step back and ask yourself why did Ellen put these readings together? What is the topic that unifies them? What are the differences that distinguish them?  Compare and contrast the differences in terms of how they relate to the overall subject rather than summarizing each one separately.
3. Write a paragraph on the readings’ **implications for the organization of public and private territory.**Ask yourself whether the author is primarily discussing how the public realm of streets, parks, and public spaces should be arranged or whether they are principally concerned with the design of the private realm of individual buildings and the rules that govern their impacts on the larger city and community? S Which do they prioritize and why? The key question this paragraph should focus on is which do they prioritize and why - the public or the private territory?  And what do they recommend? Again – where there are multiple authors, compare and contrast their approaches rather than summarizing each one separately. It's okay to spend more time on some authors than others, but it's good to at least mention all of the authors assigned that week (if only to let us know you did all of the readings. In particular, make sure you have bullet points on all of the readings.)
4. Write a concluding paragraph that offers **your opinion of the most interesting aspect** of the reading(s). This might be an inspiring detail or an attitude you find disturbing. While the first two paragraphs should be analytical, this is the paragraph where you offer your own original reactions. You might connect it to places you have experienced.
5. List **bullet points of key concepts from each reading** in a way that clearly demonstrates that you actually did the reading. These bullet points do not count in the 1-page limit of the text. A good bullet point list will help you recall the author's arguments in the future (and while writing your summary.) Any required readings that do not have bullet points will be assumed NOT to have been read and the grade will be dropped accordingly.
6. Submit the summaries to Canvas no later than 3pm the day of class.

A good reading summary does not simply report on what the author(s) said. Rather, it synthesizes the reader’s understanding (or not) of the significance of what the author(s) said.  Before starting to write, ask yourself why these writings were grouped together and what the larger themes are.  It’s okay to admit that you either did not follow or disagreed with parts of the author’s argument.

Summaries will be graded for:

* conformance to the above format
* evidence of completion of the reading (such as inclusion of specific references, as well as the list of key concepts). Note- where there are multiple authors it is not necessary to address each author in each paragraph. However, be sure to reference them all somewhere in your summary, especially in the bullet points of key concepts, to let us know that you did indeed do all of the reading.
* clarity (the summaries do not need to be well-crafted prose or present an argument. Good straightforward comments will generally be adequate for a B grade. However, on the occasions that a summary makes a clearly presented argument, it has a better chance of rising to an A grade)
* insight (evidence of original thought, often brought through in the comparisons or in the opinion paragraph.)

The reading summaries are an important part of the grade. Each summary is graded on a 100-point basis where 90’s are in the A-range, 80’s in the B-range, etc. All summaries will be graded within a week of submission. Note: your final grade will be damaged much more from missing a week and receiving 0 points than submitting a weak, rushed summary that only scores 50 points. Late summaries will have 8 points taken off. The last day to turn in late summaries is Dec 2, the last day of classes.

**Plagiarism**– Yilun and I read the Wikipedia entries and other online sources on these authors too. We also run every assignment through plagiarism-detection software. Plagiarism is a serious offense and can result in termination from Georgia Tech.  There is no need to read any material other than the assigned required reading. However, if you do wish to reference other authors or pull text from websites it must be cited appropriately with footnotes indicating the source. Never submit the work of others as if it is your own.

**Attendance and Participation**

Attendance at all class meetings is mandatory and crucial to successful completion. In lecture, I will model for you the kinds of interpretation I expect you to perform on the reading summaries and final paper.

Your participation in class discussions is also mandatory and constitutes 20% of your final grade. Don’t be afraid to ask questions. At the same time, don’t dominate the discussion. This is a large class and it’s important that everyone gets a chance to speak up.

Absences will be excused only for medical or family emergencies or for Institute-approved events and religious holidays documented in writing. According to a new policy, you must notify your instructor in writing during the first two weeks of the semester about any anticipated absences for religious holidays. Contact me in advance for any other anticipated absences. Students with an excused or unexcused absence from class will be required to prepare an essay related to the missed discussion. More than one unexcused absence will result in an automatic letter grade reduction for the term.

**Class Schedule**

1. 8/20 Overview: Classic Questions and Contemporary Debates
2. 8/27 Late 19th & early 20th C Urban Theories – Richard Dagenhart
3. 9/3 Incremental and Empirical 1: *Death and Life of Great American Cities.*
4. 9/10 Incremental and Empirical 2: Jacobs’ Legacy
5. 9/17 Morphology and Typology 1: *The Architecture of the City*
6. 9/24 Morphology and Typology 2: *Delirious New York* and Atlanta
7. 10/1 Context and Composition 1: Formalism and the Figure
8. 10/4 9:30-10:30am, Optional: REDESIGNING CITIES’ Transportation Infrastructure Investments
9. 10/8 Context and Composition 2: Bigness, Digitalization and the Field
10. 10/15 Fall Break
11. 10/22 REDESIGNING CITIES with Smart Mobility
12. 10/29 Ecology and Environment 1: From McHarg to Landscape Urbanism
13. 11/5 Ecology and Environment 2: *Urbanism in the Age of Climate Change*
14. **Round Robin on final paper topics**
15. 11/12 Urban Design Theory and Practice 1: N. American Challenges
16. 11/19 final review week: no class
17. 11/26 Urban Design Theory and Practice 2: Global Challenges
18. 12/2 **300-word summary of final paper due**
19. 12/9 **Final Papers Due**

**Grading**

The final grade for Arch 6151/6352 will be determined by the following measures:

60% on the completion and quality of weekly reading summaries

20% on final paper

20% on attendance and participation in class discussions

The grade scale for all individual components of the course as well as for completion of the final course grade will be as follows:

Points Grade Description

90 – 100 A Excellent

80 – 89 B Good

70 – 79 C Satisfactory

60 – 69 D Poor

0 – 59 F Failure

**Academic Integrity and Conduct**

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. All Georgia Tech students should familiarize themselves with and abide by the Georgia Tech Honor Code: <http://www.catalog.gatech.edu/rules/18/>. Any student caught plagiarizing will be reported to the Office of Student Integrity.

For expectations of student and instructor conduct more generally, consult section 19 of the catalog listed above, entitled “Code of Conduct,” http://www.catalog.gatech.edu/rules/19/, and section 22, entitled “Student-Faculty Expectations,” at http://www.catalog.gatech.edu/rules/22/.

All persons in the classroom are expected to behave with courtesy towards others and in a way that does not interfere with the regular conduct of the class. Cell phones are to be turned off when students enter the classroom and should remain off for the duration of class; laptop computers are to be used only for taking notes; and students should not engage in private conversations while the instructor or other students are speaking. Anyone who does not adhere to these basic courtesies will be asked to leave.

# Accommodations for Students With Disabilities

Any student with a disability, that may require accommodation, should contact Office of Disability Services at 404-894-2563 or visit <http://disabilityservices.gatech.edu> to make an appointment to discuss his or her special needs and obtain an accommodations letter. He or she should also schedule an appointment to speak with the course instructor.

**Emergencies**

In case of emergency (e.g., fire, accident, or criminal act), please call the Georgia Tech Police at 404-894-2500. Please note that Perry Minyard, IT Support Administrator for the College of Architecture, is also a firefighter and an Emergency Medical Technician (EMT) certified in performing CPR.

**Archiving**

By enrolling, each student grants a license to reproduce and display his or her work. This is a chance for students to have their work shown online and potentially featured in forthcoming publications and public exhibitions.

**Ownership**

Physical copies of student work submitted to the school to satisfy course requirements—including papers —become the property of the school. It is assumed as no obligation to safeguard such materials and may, at its discretion, retain them, return them to the student, or discard them.

**Professional Standards Addressed**

M.Arch students taking the course as ARCH 6132 may count this course towards completion of the professional degree. For the purpose of accreditation, while this course will cover more criteria than the ones listed below, the following will be actively covered:

A.1  Professional Communication Skills: Ability to write and speak effectively and use representational media appropriate for both within the profession and with the general public.

A.8  Cultural Diversity and Social Equity: Understanding of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

D.1 Stakeholder Roles in Architecture: Understanding of the relationships among key stakeholders in the design process—client, contractor, architect, user groups, local community—and the architect’s role to reconcile stakeholder needs.

**Weekly Readings**

**8/20 Overview: Classic Questions and Contemporary Debates**

* Course Overview: Classic Questions and Contemporary Debates

*Who designs the city? Do distinctions between public and private space matter? Are such physical distinctions more or less important today? How have classic and contemporary thinkers debated these issues in relationship to different societal challenges?*

Optional reading:

Charles Mulford Robinson, (1916) “Conclusion,” in *City Planning, With Special Reference to Planning of Streets and Lots,*(republished by Forgotten Books, 2015)

Moudon, Anne Vernez (1992) “A Catholic Approach to Organizing What Urban Designers Should Know”, [http://journals.sagepub.com/doi/abs/10.1177/088541229200600401 (Links to an external site.)](http://journals.sagepub.com/doi/abs/10.1177/088541229200600401) (log in through Open Athens using your GT ID)

Shane, David Grahame (2011)[“Urban Design – an Overview” from *Urban Design Since 1945 – A Global Perspective*Preview the document](https://gatech.instructure.com/courses/50798/files/6425853/download?wrap=1)

Lefebvre, Henri (1967) “Part II: The Right to the City,” *Writings on Cities*

Arendt, Hannah (1958) “Part II: The Public and the Private Realm”, *The Human Condition*

Purcell, Mark (2013) “Possible Worlds: Henri Lefebvre and the Right to the City”

Fishman, Robert (2012)  chapter 3 [“New Urbanism”Preview the document](https://gatech.instructure.com/courses/50798/files/6425841/download?wrap=1) edited by B. Sanyal, B.Vale, L.J., and Rosan C.D., *Planning Ideas that Matter: Livability, Territoriality, Governance, and Reflective Practice,* (MIT Press)

Calthorpe, Peter (2004) [“New Urbanism: Principles or Style?”Preview the document](https://gatech.instructure.com/courses/50798/files/6425857/download?wrap=1) (*New Urbanism, Peter Calthorpe vs. Lars Lerup, Michigan Debates on Urbanism volume II*. C).

Talen, Emily, ed. (2013) *Charter of the New Urbanism, Second Edition*

Duany, A., Plater-Zyberk, E., Speck J., (2000) *Suburban Nation: The Rise of Sprawl and the Decline of the American Dream*

Waldheim, Charles, ed., (2006) [*The Landscape Urbanism Reader*Preview the document](https://gatech.instructure.com/courses/50798/files/6425963/download?wrap=1)

Corner, James (2006) “Terra Fluxus” in *The Landscape Urbanism Reader*

Reed, Chris (2007) [“Landscape Urbanism Practices: Precis + Case”Preview the document](https://gatech.instructure.com/courses/50798/files/6425855/download?wrap=1)

Verebes, Tom (2012) [“Computational Urbanism”Preview the document](https://gatech.instructure.com/courses/50798/files/6425847/download?wrap=1)  from *Masterplanning the Adaptive City*

Batty, Michael, (2013)*The New Science of Cities*

**8/27 Late 19th & Early 20th Century Urban Theories** – guest lecture from Richard Dagenhart

* Lecture: The City Beautiful, The Garden City and The Modernist City
* Class Discussion – be prepared to discuss the following:

*What were each of these movements reacting against? Do these movements celebrate (and make figural) the street, the yard/common green, or the building – and what does that say about how they are treating the public vs private realm and what they value? What distinguish the driving goals and design strategies of each? How do they live on today?*

Required Reading:

*The City Beautiful*

* Hines, Thomas – Plan of Chicago - [http://encyclopedia.chicagohistory.org/pages/61.html (Links to an external site.)](http://encyclopedia.chicagohistory.org/pages/61.html)
* MacDonald, Elizabeth (2014) “Pleasure Drives and Promenades: The Olmsted Parkway Idea as Inspiration for Today’s Complete Streets”, 34-minute video from GT Olmsted Symposium, online at: [https://smartech.gatech.edu/handle/1853/52012 (Links to an external site.)](https://smartech.gatech.edu/handle/1853/52012)

*The Garden City*

* [Stein, Clarence (1956) RadburnPreview the document](https://gatech.instructure.com/courses/50798/files/6425911/download?wrap=1)
* [Stein, Clarence (1956) Sunnyside GardensPreview the document](https://gatech.instructure.com/courses/50798/files/6425909/download?wrap=1)
* [Perry, Clarence (1929) The Neighborhood UnitPreview the document](https://gatech.instructure.com/courses/50798/files/6425843/download?wrap=1)

*The Modern City*

* [Le Corbusier (1923) A Contemporary CityPreview the document](https://gatech.instructure.com/courses/50798/files/6425849/download?wrap=1)
* [CIAM, The Athens Charter (1933 original, English translation from 1943)Preview the document](https://gatech.instructure.com/courses/50798/files/6425859/download?wrap=1), and [http://portal.uur.cz/pdf/charter-of-athens-1933.pdf (Links to an external site.)](http://portal.uur.cz/pdf/charter-of-athens-1933.pdf)

Optional Reading:

[Hall, Peter (1988) “A Guide Through the Maze”  from *Cities of Tomorrow*Preview the document](https://gatech.instructure.com/courses/50798/files/6425861/download?wrap=1)

CityLab University (2018)  ["15 People Who Shaped the Modern City"Preview the document](https://gatech.instructure.com/courses/50798/files/6426637/download?wrap=1)

Columbian Exposition -[http://en.wikipedia.org/wiki/World%27s\_Columbian\_Exposition (Links to an external site.)](http://en.wikipedia.org/wiki/World%27s_Columbian_Exposition)

Sitte, Camillo (1889) *The Art of Building Cities*

Burnham, Daniel (1909) The Plan of Chicago.

Larson, Erik (2004) *The Devil in the White City*

Talen, Emily (2005) “Incrementalism: Beauty, Redemption, Conservation and Complexity” and “Urban Plan-Making: the City Beautiful and the City Efficient,” in *New Urbanism & American Planning: The Conflict of Cultures*

Nelson, Garrett Dash, (2018) “Rexford Guy Tugwell and the Case for Big Urbanism: New York City’s first planning commissioner lost a bigger battle against Robert Moses than the fight Jane Jacobs won,” *Places Journal* [https://placesjournal.org/article/rexford-guy-tugwell-and-the-case-for-big-urbanism/ (Links to an external site.)](https://placesjournal.org/article/rexford-guy-tugwell-and-the-case-for-big-urbanism/)

Stern, Robert A. M., Fishman, Thomas, and Tilove, Jacob, (2014) *Paradise Planned: The Garden Suburb and the Modern City*

Mumford, Lewis (1946) The Garden City Idea and Modern Planning

Howard, Ebenezer (1902) *Garden Cities for Tomorrow*

Unwin, Raymond (1923) *Town Planning In Practice*

[Unwin, Raymond (1910) Nothing Gained from OvercrowdingPreview the document](https://gatech.instructure.com/courses/50798/files/6425863/download?wrap=1)

Mumford, Eric (2002) *The CIAM Discourse on Urbanism 1928-1960*

Mumford, Eric (2009) *Defining Urban Design - CIAM Architects and the Formation of a Discipline*

van Triest, Jaap (2009) *Team 10: 1953-81 – In Search of a Utopia of the Present*

Somer, Kees (2006) *The Functional City – CIAM and the Legacy of Van Eesteren*

Le Corbusier (1929) *The City of Tomorrow and Its Planning*

Frank Lloyd Wright, (1932) *The Disappearing City*

[Burgess, Ernest W (1925), “The Growth of the City: An Introduction to a Research Project”, from Robert Park *et al, The City*Preview the document](https://gatech.instructure.com/courses/50798/files/6425893/download?wrap=1)

[Legates, Richard T and Frederick Stout “1870 Till 1940: Modernism and Early Urban Planning”Preview the document](https://gatech.instructure.com/courses/50798/files/6425895/download?wrap=1)

Marni Epstein-Mervis, “The Film that Launched America’s Debate About the Suburbs” w/embedded video of “The City” (1939), online at: <http://curbed.com/archives/2015/05/06/the-film-that-launched-americas-debate-about-the-suburbs.php>

**9/3 Incremental and Empirical 1: Jane Jacobs**

* Class Discussion – be prepared to discuss the following:

*Are the lessons learned from 1950’s Greenwich Village relevant to contemporary cities? What is Jacobs’ method for learning about cities? Why has this book been so influential? What is the legacy of the book on urban design, urban planning, and grassroots activism? How does New York today differ from the Greenwich Village she describes – and what does that say about the effectiveness of her ideas?*

Required Reading:

* Jacobs, Jane (1961) *The Death and Life of Great American Cities*

Optional Reading:

Jacobs, Jane (1970) *The Economy of Cities*

Jacobs, Jane (1985) *Cities and the Wealth of Nations*

Jacobs, Jane (2005) *Dark Age Ahead*

Laurence, Peter L., (2016) *Becoming Jane Jacobs*

Flint, Anthony (2009) *Wrestling With Moses; How Jane Jacobs Took on New York’s Master Builder and Transformed the American City*

Jacobs, Allan (1994) *Great Streets*

Lynch, Kevin (1960) *The Image of the City*

Lynch, Kevin, (1984) *Good City Form*

[Kunstler, Jim (2001) “An Interview with Jane Jacobs, Godmother of the American City,” *Metropolis*Preview the document](https://gatech.instructure.com/courses/50798/files/6425867/download?wrap=1)

Campanella, Thomas (2011) “Jane Jacobs and the Death and Life of American Planning,” *Places,*[*https://placesjournal.org/article/jane-jacobs-and-the-death-and-life-of-american-planning/ (Links to an external site.)*](https://placesjournal.org/article/jane-jacobs-and-the-death-and-life-of-american-planning/)

Buntin, John (2011) “Is it time to retire Jane Jacobs’ Vision of the City?” *Governing,*[*http://www.governing.com/is-it-time-to-retire-jane-jacobs-vision-city.html (Links to an external site.)*](http://www.governing.com/is-it-time-to-retire-jane-jacobs-vision-city.html)

Gopnik, Adam (2016) “Jane Jacobs’s Street Smarts,” *The New Yorker,*[*https://www.newyorker.com/magazine/2016/09/26/jane-jacobs-street-smarts (Links to an external site.)*](https://www.newyorker.com/magazine/2016/09/26/jane-jacobs-street-smarts)

*Citizen Jane*(2017) documentary film

**9/10 Incremental and Empirical 2: Jacobs’ Legacy**

* Class Discussion – be prepared to discuss the following:

*What are the conflicts between operating incrementally versus establishing*apriori *larger frameworks, let alone master plans? To what extent is what you observe of urbanism in the present or from the past applicable to the future? What is the role of the imagination in incremental and empirical work? To the degree that the incremental is linked to organic, emergent and generative patterns – is it in conflict with the urbanism based on empirical rulemaking? Do all of this week’s readings embrace BOTH incremental moves and empirical observation?*

* Reading Preparation Lecture: Neo-Rationalism

Required Reading:

* (1994) The Charter of the Congress for the New Urbanism, [cnu.org (Links to an external site.)](http://www.cnu.org/)look for the tab “who we are” and click on “charter.”
* (2008) After reading the Charter, on the same page, on the right, click on “The Canons of Sustainable Architecture and Urbanism”. Scroll down to the blue box on the left to read the entire document.
* (present) Still at [cnu.org (Links to an external site.)](http://www.cnu.org/), on the top banner click on “what we do” and browse the “project database”.
* [Alexander, Christopher (1966) “A City is Not a Tree”Preview the document](https://gatech.instructure.com/courses/50798/files/6425889/download?wrap=1)
* [Gehl, Jan, Kaefer, Johansen, Lotte and Reigstad, Solvejg (2006) “Close Encounters with Buildings”Preview the document](https://gatech.instructure.com/courses/50798/files/6425869/download?wrap=1)
* For those taking 6151: Fontenot, Anthony, “Notes Toward a History of Non-Planning,”*Places*, (2015) and online at: [https://placesjournal.org/article/notes-toward-a-history-of-non-planning/ (Links to an external site.)](https://placesjournal.org/article/notes-toward-a-history-of-non-planning/)
* For those taking 6352: Interboro partner Georgeen Theodore’s 73-minute 2013 lecture at U. Michigan: [http://vimeo.com/79115201 (Links to an external site.)](http://vimeo.com/79115201)

Optional Reading:

Alexander, Christopher, (1964) *Notes on the Synthesis of Form*

Alexander, Christopher (1987)*A New Theory of Urban Design*

Salingaros, Nikos A., (2009) “Urbanism as Computation,” Portugali J., et al Eds, *Complexity Theory has Come of Age*(2012) Use the Open Athens log-in and your GT ID to get access: [https://link.springer.com/chapter/10.1007/978-3-642-24544-2\_14#enumeration (Links to an external site.)](https://link.springer.com/chapter/10.1007/978-3-642-24544-2_14#enumeration)

Franck, Karen and Quentin Stevens, (2006) *Loose Space: Diversity and Possibility in Urban Life*

Jackson, J.B., (1986) *Discovering the Vernacular Landscape*

Jackson, J. B., (1996) *A Sense of Place, A Sense of Time*

[Kaliski, John(1999) “The Present City and the Practice of City Design”Preview the document](https://gatech.instructure.com/courses/50798/files/6425871/download?wrap=1)

Klein, Gabe, (2016) *Start-Up City,*

Langdon, Philip & Steuteville, Robert, *Best Practices in New Urbanism*

Mehaffy, Michael (2013) “Pattern Lingo”  from *Charter of the New Urbanism Second Edition*

Speck, Jeff, (2012) *Walkable City*

Talen, Emily (2018) *Design for Social Diversity*

Whyte, Holly(1980) *Social Life of Small Public Spaces*

Dittmar, Hank and Falk, Brian (2016) “The Pink Zone: Where Small is Possible,” <https://leanurbanism.org/publications/the-pink-zone-where-small-is-possible/>

**9/17 Typology and Morphology 1: *The Architecture of the City***

* Class Discussion – be prepared to discuss the following:

*Do the various authors agree as to whether the building typologies or the city morphology come first? Which creates the other?  How have typology and morphology been used as tools of description, prescription, and inspiration? What distinguishes place-based vs program-based vs algorithm-based urban morphologies and typologies?*

* Reading Preparation Lecture: Koolhaas

Required Reading:

* [Rossi, Aldo (1966) *The Architecture of the City*, Read: Introduction to the First American Edition, Introduction: Urban Artifacts and a Theory of the City, and the first 3 sections of Chapter 1**(this is pages 13-32.)** Next read “Typological Questions” (**pages 35-41**). “Problems of Classification” (**pages 48-51**) Also read “Processes of Transformation” and “Geography and History” **(pages 95-101**). Skim the rest of the book and re-read the Introduction to the First American Edition (**pages 13-15**)Preview the document](https://gatech.instructure.com/courses/50798/files/6425873/download?wrap=1)
* [Leon Krier (1984) “Critiques” and “Urban Components” from *Houses, Palaces, Cities*Preview the document](https://gatech.instructure.com/courses/50798/files/6425875/download?wrap=1)
* [Scheer, Brenda Case (2001) “The Anatomy of Sprawl”Preview the document](https://gatech.instructure.com/courses/50798/files/6425877/download?wrap=1)
* [Hillier, Bill, (2008) “The Science of Space and the Art of Place,” from *New Urbanism and Beyond*Preview the document](https://gatech.instructure.com/courses/50798/files/6425881/download?wrap=1)

Optional Reading:

[Rossi, Aldo (1976) “La citta analoga: tavola” *Lotus*, no. 13Preview the document](https://gatech.instructure.com/courses/50798/files/6425879/download?wrap=1)

Rossi, Aldo (1984) *A Scientific Autobiography*

Moudon, Anne Vernez, (1997) “Urban Morphology as an Emerging Interdisciplinary Field," [http://www.urbanform.org/online\_unlimited/um199701\_3-10.pdf (Links to an external site.)](http://www.urbanform.org/online_unlimited/um199701_3-10.pdf)

Moneo, Rafael (1978) “On Typology”, *Oppositions 8,*[*https://doarch152spring2015.files.wordpress.com/2015/01/moneo\_on-typology\_oppositions.pdf (Links to an external site.)*](https://doarch152spring2015.files.wordpress.com/2015/01/moneo_on-typology_oppositions.pdf)

[Moneo, Rafael (1975) “Aldo Rossi:  The Idea of Architecture and the Modena Cemetery” *Oppositions* 5Preview the document](https://gatech.instructure.com/courses/50798/files/6425883/download?wrap=1)

[Scheer, Brenda, (2010) “Typology and Urban Transformation”  from *The Evolution of Urban Form: Typology for Planners and Architects*Preview the document](https://gatech.instructure.com/courses/50798/files/6425885/download?wrap=1)

1978)*Rational Architecture Rationnelle* (R)

Panerai, P, Castex, J., Depaule, J.C., (2004) *Urban Forms: Death and Life of the Urban Block*

Kelbaugh, Douglas (2002) “Typology: An Architecture of Limits," [https://www.tandfonline.com/doi/abs/10.1080/13264829609478288?journalCode=ratr20, (Links to an external site.)](https://www.tandfonline.com/doi/abs/10.1080/13264829609478288?journalCode=ratr20,) get access through Open Athens and your GT ID

Moudon, Anne Vernez (1986) *Built for Change – Neighborhood Architecture in San Francisco*

Bandini, Micha (1984) “Typology as a Form of Convention”

National Building Typologies: [http://episcope.eu/building-typology/ (Links to an external site.)](http://episcope.eu/building-typology/).

[Hillier, Bill (2006) “The Golden Age of Cities”Preview the document](https://gatech.instructure.com/courses/50798/files/6425899/download?wrap=1)

[Plater-Zyberk, Elizabeth, (2008) “An Optimistic Moment”  from *Form-Based Codes*Preview the document](https://gatech.instructure.com/courses/50798/files/6425887/download?wrap=1)

Lee, Chris and Jacoby, Sam Eds., (2011) “Typological Urbanism: Projective Cities,” *AD*, vol 81, 2011

**9/24: Typology and Morphology 2: Koolhaas – Manhattanism & Atlanta**

* Class discussion – be prepared to discuss the following:

*What are the virtues and complaints about gridded cities? In what way do contradictions enhance our experience of the city? How does Koolhaas argue that Manhattan and Atlanta each promote freedom? How do their different morphologies impact their building typologies? Which tells you more about the city – its morphology or its building typologies?*

Required Reading:

* Koolhaas, Rem (1978) *Delirious New York*. Note – different editions have different page numbers. Follow these instructions on which subheadings to read. Start reading the “Introduction” through the Coney Island section titled “Bridge”**;**SKIM the rest of the Coney Island chapter. Note in particular the illustration of the plan of the Middle Zone and read Conquest (at the end of the Coney Island Chapter); In the chapter “The Double Life of Utopia: The Skyscraper” read the sections from “The Frontier in the Sky” through to “Lobotomy”; skim the rest of the chapter through “Cave”; read “Schism”, “Shadow”, “Law” and “Village”; read “The Skyscraper Theorists” section ending with “Contest”: SKIM “The Lives of a Block: The Waldorf-Astoria Hotel and the Empire State Building”; read “Definitive Instability: The Downtown Athletic Club” through “Incubator”; skim the rest of the book, (Rockefeller Center, the Europeans, Postmortem) but pay attention to the discussion of Le Corbusier’s Radiant City starting with “City” and ending with “Afterbirth”; Read “Appendix: A Fictional Conclusion from the beginning through “The City of the Captive Globe”
* [Koolhaas, Rem (1995) “Atlanta”Preview the document](https://gatech.instructure.com/courses/50798/files/6425939/download?wrap=1)
* [Sisson, Patrick (2016) “Neofuturist architect John Portman bet on cities just as people fled them,”Preview the document](https://gatech.instructure.com/courses/50798/files/6425947/download)[https://www.curbed.com/2016/8/26/12663306/architecture-john-portman-hyatt-atlanta-atrium (Links to an external site.)](https://www.curbed.com/2016/8/26/12663306/architecture-john-portman-hyatt-atlanta-atrium)

Optional Reading:

Hilary Ballon, “The Greatest Grid: The Master Plan of Manhattan”, Useful 7-minute video: [The Greatest Grid: The Master Plan of Manhattan--Curated by NYU's Hilary Ballon (Links to an external site.)](https://www.youtube.com/watch?v=VFDH5L2Tyao)[](https://www.youtube.com/watch?v=VFDH5L2Tyao)

Lerner, J. ed., *Building Metropolitan Atlanta: Past, Present & Future* (2010)

Cynthia Davidson interview, "Rem Koolhaas: Why I Wrote Delirious New York and Other Textual Strategies,"*ANY*, 1993

O.M.A, Koolhaas, R., and Mau, B., (1998) *S,M,L,XL*

Koolhaas R., Harvard Project on the City, Boeri S., Kwinter, S., (2001), *Mutations*

Chuihua, J., Inaba,J., Koolhaas, R., Leong, S. T., (2002) *Great Leap Forward*

**10/1 Context and Composition 1: Formalism and the Figure**

* Lecture: Civic Art and Contextualism
* Class Discussion – be prepared to discuss the following:

*What is similar about Sitte’s and Rowe’s complaints about modernism? How are the compositional tools each recommends different? What are the limits of Rowe’s contextualism? Why were his figure-ground studies of parts of cities so influential? Why are there more paper projects than built examples of this work?*

Required Readings:

* [Sitte, Camillo (1889), “Modern Systems: Artistic Limitations of Modern City Planning,” from *City Planning According to Artistic Principles*Preview the document](https://gatech.instructure.com/courses/50798/files/6425907/download?wrap=1)
* [Sitte, Camillo (1889), “The Relationship Between Buildings, Monuments, and Public Squares” and “The Enclosed Character of the Public Square” in *The Art of Building Cities*Preview the document](https://gatech.instructure.com/courses/50798/files/6425925/download?wrap=1)
* Rowe, Colin read (1979)[“The Present Urban Predicament”Preview the document](https://gatech.instructure.com/courses/50798/files/6425927/download?wrap=1) p.165-220 and[read the first 20 pages (note - you may have to rotate view clockwise)Preview the document](https://gatech.instructure.com/courses/50798/files/6425929/download?wrap=1), then skim the rest of “Cornell Studio Projects and Theses” p.5-86, in *As I was Saying, vol 3, Urbanistics*

Optional Readings:

Hegemann, Werner and Elbert Peets, (1922) “Chapter 1: The Modern Revival of Civic Art” and “Chapter 3: The Grouping of Buildings in America,”, *The American Vitruvius: An Architects’ Handbook of Civic Art*

Kellow, Peter, (2015) “Urban Design in the Footsteps of Camillo Sitte,” *American Arts Quarterly*[http://www.nccsc.net/essays/urban-design-footsteps-camillo-sitte (Links to an external site.)](http://www.nccsc.net/essays/urban-design-footsteps-camillo-sitte)

Bohl, Charles C. and Jean-Francois Lejeune, eds., (2009) *Sitte, Hegemann and the Metropolis*

Rowe, Colin and Alfred Koetter, *Collage City*, (Cambridge: MIT Press, 1978) It is highly recommended to skim this book, paying particular attention to the chapters “Utopia: Decline and Fall” and “Crisis of the Object: Predicament of Texture” (especially the first few paragraphs)

Rowe, Colin, *Mathematics of the Ideal Villa*, (Cambridge: MIT Press, 1976)

Rowe, Colin, & Robert Slutzky, “Transparency: Literal and Phenomenal”, part I (1963) [https://www.jstor.org/stable/1566901?seq=1#page\_scan\_tab\_contents (Links to an external site.)](https://www.jstor.org/stable/1566901?seq=1#page_scan_tab_contents) and part II (1971) [https://www.jstor.org/stable/1566988?seq=1#page\_scan\_tab\_contents (Links to an external site.)](https://www.jstor.org/stable/1566988?seq=1#page_scan_tab_contents)

Rowe, Colin, *The Architecture of Good Intentions*, (1994)

Alexander Caragonne, *The Texas Rangers: Notes From an Architectural Underground*(Cambridge: MIT Press, 1995)

Leonhard Schenk, *Designing Cities: Basics-Principles-Projects*(Basel: Birkhauser, 2013)

Firley, Eric and Gron, Katharina, (2013) “Blueprints for Urban Life,” *The Urban Masterplanning Handbook*

Dennis, Michael, *Court & Garden*(1988)

Peterson, Steve, “Space & Anti-Space," (1980, *Harvard Design Magazine*) updated 2018, [http://www.petersonlittenberg.com/Architecture-UrbanDesign/Space\_Anti-Space\_TOC.html (Links to an external site.)](http://www.petersonlittenberg.com/Architecture-UrbanDesign/Space_Anti-Space_TOC.html)

Krier, Rob (2006) *Town Spaces*

**Friday 10/4 9:30-10:30am OPTIONAL: REDESIGNING CITIES’ Investments in Transportation Infrastructure**

A conversation between Professors Ellen Dunham-Jones and Kari Watkins with Chuck Marohn, President of Strong Towns.

**10/8 Context and Composition 2: Bigness, Digitalization, and the Field**

* Lecture: Planned Indeterminacy
* Class Discussion – be prepared to discuss the following:

*In what ways does the focus on events/program critique the production of masterplans? What urban design strategies emphasize temporal processes instead of fixed compositions? Are indeterminate cities better than planned cities? Why the focus more on the field rather than the figure? How do big data and digital presence alter our understanding and response to context?*

Required Readings:

* [Koolhaas, Rem (1996) “Whatever Happened to Urbanism” –in *SMLXL*Preview the document](https://gatech.instructure.com/courses/50798/files/6425933/download?wrap=1)
* [Koolhaas, Rem, (1994) “Bigness” – in *SMLXL*Preview the document](https://gatech.instructure.com/courses/50798/files/6425915/download?wrap=1)
* [Dagenhart,Richard, (1982) An(other) Order of Urbanism: Tschumi and Koolhaas at La VillettePreview the document](https://gatech.instructure.com/courses/50798/files/6425917/download?wrap=1)
* Dunham-Jones, Ellen (2013) “Irrational Exuberance: Rem Koolhaas and the Nineties” *Architecture and Capitalism,*[*https://placesjournal.org/article/the-irrational-exuberance-of-rem-koolhaas/ (Links to an external site.)*](https://placesjournal.org/article/the-irrational-exuberance-of-rem-koolhaas/)
* Bliss, Laura, (2018) “The Sensory City Philosopher,” *CityLab*, , [https://www.citylab.com/design/2018/07/the-sensory-city-philosopher/565088/ (Links to an external site.)](https://www.citylab.com/design/2018/07/the-sensory-city-philosopher/565088/)

Optional Readings:

[Barker, Peter, Reyner Banham, Peter Hall and Cedric Price, (1969) “Non-Plan: an Experiment in Freedom,” *New Society*, 20, March, 1969Preview the document](https://gatech.instructure.com/courses/50798/files/6425803/download?wrap=1)

[Allen, Stan (1985) “Field Conditions,” *Points + Lines*Preview the document](https://gatech.instructure.com/courses/50798/files/6425805/download?wrap=1)

Ratti, Carlo, Matthew Claudel, (2016) *The City of Tomorrow: Sensors, Networks, Hackers, and the Future of Urban Life*

Schumacher, Patrik, (2008) “Parametricism – A New Global Style for Architecture and Urban Design”  and online at: [http://www.patrikschumacher.com/Texts/Parametricism%20-%20A%20New%20Global%20Style%20for%20Architecture%20and%20Urban%20Design.html (Links to an external site.)](http://www.patrikschumacher.com/Texts/Parametricism%20-%20A%20New%20Global%20Style%20for%20Architecture%20and%20Urban%20Design.html)

[Tschumi, Bernard, (1983) “Spaces and Events” *Architecture and Disjunction* Preview the document](https://gatech.instructure.com/courses/50798/files/6425807/download?wrap=1)

[Tschumi, Bernard, (1994) "Introduction," *Event Cities*Preview the document](https://gatech.instructure.com/courses/50798/files/6425809/download?wrap=1)

Tschumi, Bernard, (1988) “Parc de la Villette,” *Architectural Design Profile: Deconstruction in Architecture*

[Koolhaas, Rem (1995) “The Generic City,” *SMLXL*Preview the document](https://gatech.instructure.com/courses/50798/files/6425811/download?wrap=1)

[Koolhaas, Rem (2003) “Junkspace,” Preview the document*Mutations*](https://gatech.instructure.com/courses/50798/files/6425901/download?wrap=1)*[Preview the document](https://gatech.instructure.com/courses/50798/files/6425901/download?wrap=1)*

Mayne, Thom, (2011) *Combinatory Urbanism: the complex behavior of collective form.*

Lerup, Lars, (2004) “American Speed, American Distance” from *New Urbanism, Peter Calthorpe vs. Lars Lerup, Michigan Debates on Urbanism volume II*. (R)

Alex S. MacLean, James Corner, (1996) *Taking Measures Across the American Landscape*(esp Chapter 3)

[Schumacher, Patrik, (2014) “Free-Market Urbanism: Urbanism Beyond Planning,” in Tom Verebes, *Masterplanning the Adaptive City*  Preview the document](https://gatech.instructure.com/courses/50798/files/6425903/download?wrap=1)

[Zaha Hadid Architects, (2002) One North Singapore Science Hub, in Tom Verebes, *Masterplanning the Adaptive City*Preview the document](https://gatech.instructure.com/courses/50798/files/6425813/download?wrap=1)

De Monchaux, Nicholas, (2016) *Local Code: 3,659 Proposals About Data, Design & the Nature of Cities*

**10/15 *fall break – no class***

**10/22 REDESIGNING CITIES for Smart, Inclusive Mobility at the Academy of Medicine, 875 West Peachtree Street**

This week's class will attend the REDESIGNING CITIES lecture/podcast series at the Academy of Medicine, 875 West Peachtree Street from 6-8:30. The event will be moderated by Ellen Dunham-Jones and Debra Lam, Director of Georgia Tech's  Smart Cities and Inclusive Innovation program. It will feature presentations by the winners of the [Newsweek Momentum Awards.  (Links to an external site.)](https://www.newsweek.com/momentum-awards-2019)

Think about: Are there fundamental conflicts between the 'right to the city' and the "right to technology'? Can the inclusive aspirations of Smart Cities enhance the actions of individuals to shape their world (such as those described in Everyday Urbanism) or are they fundamentally at odds?   How are sensors, AI, data-driven decision-making, and new forms of mobility impacting urban design? How should urban designers assess the fine lines between individuals' and communities' rights to self-determination, free market opportunities, and technology becoming overly-deterministic?

Required Readings:

* Purcell, Mark (2013) [“Possible Worlds: Henri Lefebvre and the Right to the City”Preview the document](https://gatech.instructure.com/courses/50798/files/6425865/download?wrap=1)
* Crawford, Margaret (1999) [“Introduction”Preview the document](https://gatech.instructure.com/courses/50798/files/6425845/download?wrap=1) from Everyday Urbanism
* Crawford, Margaret (1999) [“Blurring the Boundaries: Public Space and Private Life”Preview the document](https://gatech.instructure.com/courses/50798/files/6425851/download?wrap=1) from Everyday Urbanism.
* Hollands, Robert G. (2014) "[Critical Interventions into the Corporate Smart City"Preview the document](https://gatech.instructure.com/api/v1/canvadoc_session?blob=%7B%22moderated_grading_whitelist%22:null,%22enable_annotations%22:null,%22enrollment_type%22:null,%22anonymous_instructor_annotations%22:null,%22submission_id%22:null,%22user_id%22:20960000000016751,%22attachment_id%22:6430031,%22type%22:%22canvadoc%22%7D&hmac=677dd1021fbc49ac17741ae720daaa3e011dc49b)

Optional Readings:

Ben Levine (2017) "[Atlanta's Smart Corridor to Serve as "Living Laboratory (Links to an external site.)](https://www.govtech.com/civic/Atlantas-Smart-Corridor-to-Serve-as-Living-Lab-for-Smart-Transportation.html)" for Smart Transportation," Government Technology, October 13

Laura Bliss (2018) ["2018 Was the Year of the Smart City Skeptic," (Links to an external site.)](https://www.citylab.com/transportation/2018/12/smart-city-uber-google-facebook-technology-startup-solutions/579025/) CityLab

Kevin Rogan (2019), ["The 3 Pictures That Explain Everything About Smart Cities," (Links to an external site.)](https://www.citylab.com/design/2019/06/smart-city-photos-technology-marketing-branding-jibberjabber/592123/) CityLab

**10/29 Ecology and Environment 1: From McHarg to Landscape Urbanism**

* Lecture: From McHarg to Landscape Urbanism
* Class Discussion – be prepared to discuss the following:

*How does the role of the urban designer change depending on how they view “the city” and “nature”? What means does urban design have to resolve the mismatch between the maps of environmental systems and political and property-ownership boundaries? In what ways did McHarg redefine the mission of landscape architects? Why has McHarg been rediscovered now? How does landscape urbanism reposition ecology, environmentalism, and green infrastructure?*

Required Readings:

* McHarg, Ian, (1969) *Design With Nature,*read preface through “The Plight” **(pp.iii-29),**then skim until “A Response to Values” and read **79-101**through the chapter titled “The World is a Capsule” then skim until “The City: Process and Form” and read the rest of the book up to **pp.175-197**. (Note: the chapter on Washington DC is particularly worth paying attention to.)
* Waldheim, Charles (2006)\_"Landscape as Urbanism," *The Landscape Urbanism Reader*
* [Duany, Andres and Talen, Emily, (2013) “Looking Backward: Notes on a Cultural Episode” from *Landscape Urbanism and its Discontents: Dissimulating the Sustainable City*(Gabriola Island: New Society Publishers, 2013)Preview the document](https://gatech.instructure.com/courses/50798/files/6425931/download?wrap=1)

Optional Readings:

McHarg, Ian (2006) The Theory of Creative Fitting, (8-minute recording),  [https://soundcloud.com/vanhoesenj/creativefitting (Links to an external site.)](https://soundcloud.com/vanhoesenj/creativefitting)

McHarg, Ian and Steiner, Frederick (1998) *To Heal the Earth – Selected Writings of Ian L. McHarg.*

Ian McHarg, (2007) *Dwelling in Nature: Conversations with Students*

Spirn, Ann (1985) *The Granite Garden*

Corner, James, (2007) "The McHarg Event: An Unfinished Project," *Ian McHarg, Conversations with Students: Dwelling in Nature*

James Corner lecture at Georgia Tech, Nov 2, 2009, on video at: [http://smartech.gatech.edu/handle/1853/31267?show=full (Links to an external site.)](http://smartech.gatech.edu/handle/1853/31267?show=full)

Bunster-Ossa, Ignacio F. *Reconsidering Ian McHarg: The Future of Urban Ecology*(Chicago: APA Press, 2014)

Steiner, Frederick, (2014) “Frederick Law Olmsted, Sr: The Long View of American Landscape” 29-minute video on Olmsted and eco-system services, online at: [https://smartech.gatech.edu/handle/1853/52009 (Links to an external site.)](https://smartech.gatech.edu/handle/1853/52009)

Waldheim, Charles, (2016) *Landscape as Urbanism*

Belanger, Pierre, (2016) *Landscape as Infrastructure*

Weller, Richard “Landscape Urbanism in Theory and Practice”, *Landscape Journal* 27-2-08

Yang, Perry (2010) "Introduction", *Ecological Urbanism: Scale, Flow and Design*

Almy, Dean, ed. (2007) Landscape Urbanism – *Center*: Volume 4  Mostafavi, Mohsen, et al, eds (2010) *Ecological Urbanism*

Reed, Chris and Lister, Nina, (2014) *Projective Ecologies*

Orff, Kate, (2016) *Toward an Urban Ecology: Scape/Landscape Architecture*

[Duany, Andres, (2013) “An Album of Images 1950-2010” from *Landscape Urbanism and its Discontents*Preview the document](https://gatech.instructure.com/courses/50798/files/6425979/download?wrap=1)

Closing Plenary: Charles Waldheim and Andres Duany discuss Landscape Urbanism,” video from CNU19, June 4, 2011 at [http://www.cnu.org/closecnu19 (Links to an external site.)](http://www.cnu.org/closecnu19). Slide the button under the video to 26:40 minutes to skip the other content of the 2.25 hour plenary and get to Doug Kelbaugh’s introduction of the two speakers.

Louv, Richard, *Last Child in the Woods*

**11/5 Ecology and Environment 2: Urbanism in the Age of Climate Change**

* Lecture: Calthorpe and Climate Change
* Class Discussion – be prepared to discuss the following:

*How does climate change impact the work of urban designers?  How do mitigation and adaptation strategies differ?  Where can change be most effective and who is most impacted – at the local, regional, and global scale? What are the obstacles to effective regional design? How do the goals of sustainability and resilience compare? What are the new urbanists major critiques of landscape urbanism?*

* **Round Robin preliminary ideas about the final paper. Each student should come to class prepared to state the reading most likely to become the subject of their final paper and why.**

Required Reading:

* Calthorpe, Peter (2010) *Urbanism in the Age of Climate Change*

Optional Readings:

Calthorpe, Peter and Walthers, Jerry, (2017) “Autonomous Vehicles: Hype and Potential,” *Urban Land Magazine*[*https://urbanland.uli.org/industry-sectors/infrastructure-transit/autonomous-vehicles-hype-potential/ (Links to an external site.)*](https://urbanland.uli.org/industry-sectors/infrastructure-transit/autonomous-vehicles-hype-potential/)

Calthorpe, Peter (2012) “Weapons of Mass Urban Destruction,” [http://www.foreignpolicy.com/articles/2012/08/13/weapons\_of\_mass\_urban\_destruction?page=0,0 (Links to an external site.)](http://www.foreignpolicy.com/articles/2012/08/13/weapons_of_mass_urban_destruction?page=0,0)

[Calthorpe Associates, (2012) “Low Carbon Cities; Principles and Practices for China’s Next Generation of Growth”Preview the document](https://gatech.instructure.com/courses/50798/files/6425815/download?wrap=1)

Fraker, Harrison, *The Hidden Potential of Sustainable Neighborhoods: Lessons from Low-Carbon Communities*(2013)

Talen, Emily (ed), (2013) *Charter of the New Urbanism, Second Edition*(see in particular Calthorpe’s “Afterword: CNU Expanded”, the very contrary opinion expressed by Leon Krier “Postscript: Completing the CNU Charter,” the Epilogue on proposed amendments to the charter to deal with climate change, including the Canons of Sustainable Architecture and Urbanism.

Piedmont-Palladino, S., and Mennel, T, (2009) *Green Community*

Coyle, Stephen (2011) *Sustainable and Resilient Communities*

Stone, Brian, (2012) *The City and the Coming Climate*

[Aldrich, Daniel P., and Michelle A. Meyer, (2015) “Social Capital and Community Resilience,” *American Behavioral Scientest,*vol 59 (2)Preview the document](https://gatech.instructure.com/courses/50798/files/6425817/download?wrap=1)

Farr, Doug (2018) *Sustainable Nation*

**11/12: UD Theory and Practice 1: Challenges in North America**

* Lecture: Retrofitting Suburbia for 21stCentury Challenges
* Class Discussion – be prepared to discuss the following:

*Can we retrofit our way out of sprawl? What is the role of urban design in areas of shrinking populations and stagnant economies? Can the ideals of urban design theories be applied to the realities of weak markets? Can urban design dampen displacement from gentrification? What other unresolved challenges will you generation be tackling in North America?*

Required Readings:

* [Dunham-Jones, Ellen and June Williamson, June, “Retrofitting Suburbs”, *Urban Land Magazine*, June 2009Preview the document](https://gatech.instructure.com/courses/50798/files/6425921/download?wrap=1)
* Immergluck, Dan and Tharunya Balan, ["Sustainable for whom? Green urban development, environmental gentrification, and the Atlanta Beltline," Preview the document](https://gatech.instructure.com/api/v1/canvadoc_session?blob=%7B%22moderated_grading_whitelist%22:null,%22enable_annotations%22:null,%22enrollment_type%22:null,%22anonymous_instructor_annotations%22:null,%22submission_id%22:null,%22user_id%22:20960000000016751,%22attachment_id%22:6430173,%22type%22:%22canvadoc%22%7D&hmac=db25b1833a736553a2cf72412618d5480f58d58d)*Urban Geography,*vol 39, 2018, issue 4
* Grabar, Henry, ["Gentrification Got Gentrified," (Links to an external site.)](https://slate.com/business/2019/05/gentrification-definition-housing-policy-methodology-cities-suburbs.html) *Metropolis,*3 May 2019
* 2-minute Smart Energy Community video, scroll down the page, on the left:   <https://questcanada.org/pathways/>

Optional Readings:

[Venturi, Robert, Preview the documentDenise ScottPreview the document Brown, and Steven Izenour, , (1972) “A Significance for A&P Parking Lots, or Learning from Las Vegas” *Learning From Las Vegas*.Preview the document](https://gatech.instructure.com/courses/50798/files/6425923/download?wrap=1)

[www.publicinterestdesign.org (Links to an external site.)](http://www.publicinterestdesign.org/)

[Saffron, Inga (2013), “The Real Problem with Gentrification,” *The New Republic*Preview the document](https://gatech.instructure.com/courses/50798/files/6425823/download?wrap=1)

Dunham-Jones, Ellen and June Williamson, (2008) *Retrofitting Suburbia: Urban Design Solutions for Redesigning Suburbs*

[Dunham-Jones, Ellen and June Williamson, (2017) “Dead and Dying Shopping Malls Reinhabited,” *Architectural Design*no. 249Preview the document](https://gatech.instructure.com/courses/50798/files/6425825/download?wrap=1)

Condon, Patrick M. (2010) *Seven Rules for Sustainable Communities*

[Nelson, Arthur C. and Lang, Robert (2007) “The Next 100 Million”Preview the document](https://gatech.instructure.com/courses/50798/files/6425827/download?wrap=1)

Interboro, (2017) *Arsenal of Exclusion and Inclusion*

Cisneros, Henry ed. (2012) *Independent for Life: Homes and Neighborhoods for an Aging America*

Berube, Alan and Kneebone, Elizabeth (2013) *Confronting Suburban Poverty*

*Active Design Guidelines: Promoting Physical Activity and Health in Design*, available for download at: [http://centerforactivedesign.org/guidelines/ (Links to an external site.)](http://centerforactivedesign.org/guidelines/)

Gravel, Ryan, (2016) *Where We Want to Live: Reclaiming Infrastructure for a New Generation of Cities*

Talen, Emily, ed. (2015) *Retrofitting Sprawl*

Grodach, Carl and Ehrenfeucht, Renia (2016) *Urban Revitalization: Remaking Cities in a Changing World*

Sadik-Khan, Janette and Solomonow, Seth, (2016) *Street Fight: Handbook for an Urban Revolution*

Berger, Alan and Joel Kotkin,(2017) *Infinite Suburbia*

Beske, Jason and David Dixon, (2018) *Suburban Remix: Creating the Next Generation of Urban Places*

Center for Active Design, "Assembly, Civic Design Guidelines; Promoting Civic Life Through Public Space Design

**11/19 Architecture Final Reviews Week – no class**

**11/26 UD Theory and Practice: Global Challenges**

* Film screening: *Urbanized*(2011) – 85 minutes
* Class Discussion – be prepared to discuss the following:

*How much impact will the UN's goals have on cities and the growing global middle class?   How should urban designers respond to those settlements left behind the rush to urbanization? How should urban designers respond to rural-to-urban migration and increasing climate and war refugees? How does globalization impact urban design practice? What can northern-hemisphere urban designers learn from the cities of the global south, especially from informal settlements? Is there a point when self-organization means urban designers should simply get out of the way?*

Required Readings:

* [UN Habitat and Richard Sennett, (2018) “Chapter 1: Forces Shaping 21stCentury Urbanization,” *The Quito Papers and The New Urban Agenda*Preview the document](https://gatech.instructure.com/courses/50798/files/6425975/download?wrap=1)
* UN Habitat, “The New Urban Agenda”; read the foreword and declaration (through p.9) as adopted by the UN General Assembly at [http://habitat3.org/the-new-urban-agenda/ (Links to an external site.)](http://habitat3.org/the-new-urban-agenda/)
* [Brand, Stewart, Chapter 2 “City Planet” *Whole Earth Discipline: An Ecopragmatist Manifesto*, (New York: Viking/Penguin, 2009) pp.25-50.Preview the document](https://gatech.instructure.com/courses/50798/files/6425969/download?wrap=1) (Note, Chapter 3, “Urban Promise” is also recommended, but not required.)

Optional Readings:

UN-Habitat’s Urban lecture series: [http://unhabitat.org/urban-knowledge/urban-lectures/ (Links to an external site.)](http://unhabitat.org/urban-knowledge/urban-lectures/)

SOM, "[What Should Cities be Like in 2050? (Links to an external site.)](https://medium.com/@SOM/what-should-cities-be-like-in-2050-e9c3043447b0)", *Medium,*March, 2019

Hou, Jeffrey, Benjamin Spencer, Thaisa Way, and Ken Yocum Eds. (2015) *Now Urbanism: The Future City is Here*

[Chalana, Manish, (2010) “Slumdogs vs. Millionaires; Balancing Urban Informality and Global Modernity in Mumbai, India”Preview the document](https://gatech.instructure.com/courses/50798/files/6425821/download?wrap=1)

[Fiori, Jorge, (2012) “Informal City: Design as Political Engagement,” in Tom Verebes *Masterplanning the Adaptive City*Preview the document](https://gatech.instructure.com/courses/50798/files/6425819/download?wrap=1)

[Dovey, Kim, (2014) “Incremental Urbanism: The Emergence of Informal Settlements”, Tigran Hass and Krister Olsson Eds., *Emergent Urbanism: Urban Planning and Design in Times of Structural and Systemic Change*Preview the document](https://gatech.instructure.com/courses/50798/files/6425905/download?wrap=1)

Murray, Martin J., (2017) *The Urbanism of Exception: The Dynamics of Global City-Building in the 21st Century*

Roy, Ananya, (2009) "The 21st-Century Metropolis: New Geographies of Theory," *Regional Studies*, vol 43, issue 6

Watson, Vanessa and Agbola, Babatunde, “Who will plan Africa’s cities?” online at: [http://www.africaresearchinstitute.org/publications/counterpoints/who-will-plan-africas-cities/ (Links to an external site.)](http://www.africaresearchinstitute.org/publications/counterpoints/who-will-plan-africas-cities/)

Nathan Rich, “Globally integrated/locally fractured: the extraordinary development of Gurgaon, India,” in P. Deamer Ed., *Architecture and Capitalism*(London: Routledge, 2014)

Mike Davis, (2006) *Planet of Slums*

Glaeser, Edward, (2011) *Triumph of the City*

*Harvard Design Magazine*, (2008) Can Designers Improve Life in Non-Formal Cities? Number 28

Kara Miller interview with Bhaskar Chakravorti, “Lessons from the World’s Poorest Neighborhoods,” *Innovation Hub*, WGBH, [http://www.wgbh.org/articles/Lessons-from-the-Worlds-Poorest-Neighborhoods-6225 (Links to an external site.)](http://www.wgbh.org/articles/Lessons-from-the-Worlds-Poorest-Neighborhoods-6225)

Fujita, Mari Anna, (2010) “Forays into Building Identity: Kampung to Kampong in the Kuala Lumpur Metropolitan Area”

Lars Spuybroek interview of Rem Koolhaas, (2002) “Africa Comes First” in Joke Brouwer and Arjen Mulder eds., *Transurbanism*

Koolhaas, Rem and the Harvard Project on The City (1996) *The Great Leap Forward*

Gray, Kimberly, Doug Farr and David Dana, (2011) “Living Cities: Transforming APEC Cities into Models of Sustainability by 2030,” [https://farrside.com/research/apec-living-cities/ (Links to an external site.)](https://farrside.com/research/apec-living-cities/) (follow the links)

Burdett, Ricky and Deyan Sudjic, eds. (2008) *The Endless City*, Phaidon Press

Burdett, Ricky and Deyan Sudjic eds. (2011) *Living in the Endless City*

Easterling, Keller (2016) *Extrastatecraft: The Power of Infrastructure Space*

**12/2 midnight: submit 300-word summary of final paper argument to the Discussion section of Canvas**

**12/6 midnight: submit final paper as a word document to Canvas**