

COURSE SYLLABUS

SES 631 Planning for Sustainable Communities

Fall 2017

Graduate Center for Planning & the Environment

Sustainable Environmental Systems

Wednesdays 5-7:50pm

HHN Room 406A

FACULTY CONTACT INFORMATION

Ron Shiffman, Professor Emeritus. rshiffma@pratt.edu

Jaime Stein, Adjunct Professor and SES Academic Coordinator, jstein9@pratt.edu

COURSE DESCRIPTION

The purpose of the seminar is to expose Pratt Graduate Students and other interested parties to the issues of **sustainable development** and the interdependence and interrelationship of **sustainable development** to macro and local systems, policies and practices. Its premise is that comprehensive approaches, which consider both human welfare and resource limitations at the local and global levels, are required in order to build and maintain sustainable communities. The course analyzes public systems relating to the urban environment and investigates methods for creating a more sustainable, just and equitable future.

We will examine a range of strategies for planning communities that minimize the use of non-renewable resources, maximize stakeholder and community engagement and promote healthy and equitable living and working environments. Examples are drawn primarily from current community development, environmental justice and preservation practice in urban areas.

The participants will engage in a series of seminar discussions based on extensive readings. Concepts discussed in this class are complex and are best discovered through open and welcome dialogue. **Our greatest priority is to provide a safe and judgement free place for dialogue in which we learn from each other and to respect those with different opinions than our own.** Over the course of the semester we will weave together the physical, social, political and economic dimensions of the subject. Participants are expected to read in preparation for each of the classes, to engage in discussion of the topics immediately following the formal presentation.

Because of the dynamic and constantly evolving and growing area of knowledge applicable to sustainability and climate change, readings will be gleaned from a number of sources including the internet, newspapers, books and assigned readings. The assigned readings are keyed in part to the lectures and in part to help build your general knowledge of the field.

COURSE THEMES

THEME 1. GLOBAL SUSTAINABLE DEVELOPMENT*

THEME 2. LOCAL SUSTAINABLE DEVELOPMENT*

THEME 3. SEEING OUR COMMUNITIES: OBSERVATIONAL METHODS

THEME 4. ENVIRONMENTAL & SOCIAL INFRASTRUCTURE

THEME 5. MEASURING SUCCESS: STANDARDS & METRICS OF SUSTAINABILITY

(*Themes 1 and 2 are linked, the interplay between them will be discussed)

COURSE GOALS:

By taking this course, you will:

Gain a deeper understanding of sustainable development and its interdependence with local systems, policies and practices specifically in regards to carrying capacity.

Gain a greater appreciation for the political, racial and social justice implications of development

Gain a greater understanding of the role of local leaders and practitioners in sustainable development

Gain a basic understanding of macro socio, economic and environmental policies and practices and the interplay with local systems, policies and practices

STUDENT LEARNING OBJECTIVES:

By the end of this course, you will be able to:

Understand and value the need for holistic and transdisciplinary action in sustainable development

Argue qualitatively the physical, social and economic dimensions of sustainable development

Understand the history as well as the global, local and national trends in sustainable development.

Describe and debate sustainable development strategies and how they address environmental concerns

Begin to engage in a lifelong process of refining one's understanding of sustainable development issues and practices

COURSE CALENDAR

****Prior to each class please review the New York Times and other publications. We suggest forming a Google Alert using the phrases: Sustainable Development and Climate Change. At the beginning of each class, **a fellow student will present (Pecha Kucha style) from their blog** and we will spend a few minutes in discussion as well as reviewing current newspaper and magazine coverage of Sustainable Development and Climate Change issues.

WEEK 1 AUGUST 30TH

Introductory Discussion and Exercise

Professors Ron Shiffman & Jaime Stein

Readings for In Class Discussion:

Morello-Frosch, Rachel, et al. *The Climate Gap: Inequalities in How Climate Change Hurts Americans and How to Close the Gap*. Web. 15 Aug. 2017.

[https://dornsife.usc.edu/assets/sites/242/docs/
The_Climate_Gap_Full_Report_FINAL.pdf](https://dornsife.usc.edu/assets/sites/242/docs/The_Climate_Gap_Full_Report_FINAL.pdf)

McKibben, Bill. *Climate Justice Is Racial Justice Is Gender Justice*. Yes! Magazine. Web. 18 Aug. 2017. Retrieved from: [http://www.yesmagazine.org/
issues/just-transition/climate-justice-is-racial-justice-is-gender-justice-20170818?
utm_source=YTW&utm_medium=Email&utm_campaign=20170818](http://www.yesmagazine.org/issues/just-transition/climate-justice-is-racial-justice-is-gender-justice-20170818?utm_source=YTW&utm_medium=Email&utm_campaign=20170818)

In Class Exercise: Cognitive Mapping

ASSIGNMENT

BLOG 1. Read and comment on the readings by Monday 11:59 pm.

THEME 1: GLOBAL SUSTAINABLE DEVELOPMENT

Rio Declaration - Rio Declaration on Environment and Development - United Nations Environment Programme (UNEP). N.p., 1992. Web. 13 Aug. 2016.

Retrieved from: http://www.unesco.org/education/nfsunesco/pdf/RIO_E.PDF

McDonough, William, et al. *"The Hannover Principles - Design for Sustainability."* Hannover, Germany, 1992.

Brundtland, GH, and World Commission on Environment and Development. *Our Common Future: Report of the World Commission On Environment and Development*. Oxford University, 1987.

United Nations' Sustainable Development Knowledge Platform and the Sustainable Development Goals. <https://sustainabledevelopment.un.org/post2015/transformingourworld>
and
http://www.undp.org/content/dam/undp/library/corporate/brochure/SDGs_Booklet_Web_En.pdf

WEEK 2 SEPTEMBER 6TH

Lecture: History of Sustainable Development

Global Sustainable Development Writing and Policies
Professors Ron Shiffman & Jaime Stein

ASSIGNMENT

BLOG 2. Read and respond to the following publications by Monday 11:59pm.

2016 Paris Agreement

The Agreement Text: http://unfccc.int/files/meetings/paris_nov_2015/application/pdf/paris_agreement_english_.pdf

Meyer, Robinson. "A Reader's Guide to the Paris Agreement." *The Atlantic* 16 Dec. 2015: Web. 16 Apr. 2016.

Retrieved from <http://www.theatlantic.com/science/archive/2015/12/a-readers-guide-to-the-paris-agreement/420345/>

1997 Kyoto Protocol

The Protocol Text: <http://unfccc.int/resource/docs/convkp/kpeng.pdf>

2009 Copenhagen Accord

The Accord Text: http://unfccc.int/documentation/documents/advanced_search/items/6911.php?preref=600005735#beg

A digest of the Copenhagen Accord can be found at: <http://www.carbonplanet.com/copenhagen>

Stavins, Robert. PBS Making Sense, *Column: The Economics (and politics) of Trump's Paris Withdrawal*. Web. Aug. 16 2017

<http://www.pbs.org/newshour/making-sense/column-economics-politics-trumps-paris-withdrawal/>

Citiscopes Web Resource: *Implementing the Paris Agreement on Climate*
[http://citiscopes.org/topics/implementing-paris-agreement-climate?
utm_source=Citiscopes&utm_campaign=185da5221d-
Mailchimp_2017_08_18&utm_medium=email&utm_term=0_ce992dbfef-185da5221d-71
041677](http://citiscopes.org/topics/implementing-paris-agreement-climate?utm_source=Citiscopes&utm_campaign=185da5221d-Mailchimp_2017_08_18&utm_medium=email&utm_term=0_ce992dbfef-185da5221d-71041677)

WEEK 3 SEPTEMBER 13TH

Lecture. History of Climate Change Mitigation & Adaptation

Review of the Disparities and Impacts of Global and Local Climate Change
Professor Ron Shiffman

ASSIGNMENT

BLOG 3. Read and respond to the following publications by Monday 11:59PM.

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader {Routledge Urban Reader Series}*. Routledge, 2004. Print.

“Stabilization Wedges” pg. 93

and

“Toward Low Carbon Urbanism” pg. 101

World Climate: A Climate Negotiations Game. [https://www.climateinteractive.org/
programs/world-climate/](https://www.climateinteractive.org/programs/world-climate/)

World Climate Briefing Materials: [https://www.climateinteractive.org/programs/world-
climate/instructor-resources/briefing-materials/](https://www.climateinteractive.org/programs/world-climate/instructor-resources/briefing-materials/)

Rice, Andrew. “When Will NYC Sink?” *New York Magazine*, 27 Sept. 2016. Web 15 Aug. 2017 [http://nymag.com/daily/intelligencer/2016/09/new-york-future-flooding-climate-
change.html](http://nymag.com/daily/intelligencer/2016/09/new-york-future-flooding-climate-change.html)

WEEK 4 SEPTEMBER 20TH

World Climate Negotiations Game

Role Playing a Global Climate Agreement

ASSIGNMENT

BLOG 4. Read and respond to the following publications by Monday 11:59PM.

THEME 2. LOCAL SUSTAINABLE DEVELOPMENT

Venkataraman, Anusha. *Intractable Democracy: Fifty Years of Community-Based Planning*. Brooklyn: Programs for Sustainable Planning and Development, Pratt, 2010. Print. *Selections*

Wheeler, Stephen. *Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities*. New York: Routledge, 2004. Print. Chapters 1 - 4

WEEK 5 SEPTEMBER 27TH

Lecture: The History of Community Based Planning in NYC
Professor Ron Shiffman

ASSIGNMENT

Project Assignment 1. Future City Scenarios. Draft your Future Cities Scenarios for the years 2025 and 2050. Both Good (Sustainable) and Bad. Due via LMS by 11:59PM on Monday.

The following readings will be the content of October 4th's lecture

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader {Routledge Urban Reader Series}*. Routledge, 2004. Print.

Introduction

Cities and the Crisis of Civilization, Mumford, pg 19

Orthodox Planning and the North End, J.Jacobs, pg 34

Plight & Prospect, McHarg pg 39

Towards Sustainable Development, World Commission, pg 66

Wheeler, Stephen. *Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities*. New York: Routledge, 2004. Print. Chapters 5 & 6

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader {Routledge Urban Reader Series}*. Routledge, 2004. Print.

"Collective Action Toward a Sustainable City" pg. 432

"The Story of Change" pg. 406

"The Urbanization of Climate Change" pg. 107

WEEK 6 OCTOBER 4TH

Lecture: Sustainable Cities

Review of Readings and Introduction to Class Project
Professor Jaime Stein

ASSIGNMENT

Project Assignment 2. First Hand Analysis Conduct a First Hand Analysis and Documentation of your study area. For reference use the readings below and handout provided on LMS. In preparation for the workshop in Week 7, Read Meadows' Introduction and Part One.

THEME 3. SEEING OUR CITY AND COMMUNITIES: OBSERVATIONAL METHODS

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader {Routledge Urban Reader Series}*. Routledge, 2004. Print.
"Seeing Change", A. Jacobs, pg 384

Jacobs, A. B. *Looking at cities*. Cambridge, MA: Harvard University Press. 1985. 2-13. Print

Morrish, William R., Catherine R. Brown, Michael Robinson, Charlie Quimby, Susan Braun, and Neal Peirce. *Planning to Stay: A Collaborative Project*. Minneapolis: Milkweed, 2000. Print.

Lynch, Kevin. *The Image of the City*. M.I.T. Press, 1960. *The City Image And Its Element. Pg 46 - 90*

Meadows, Donella H., and Diana Wright. *Thinking in systems: a primer*. White River Junction, VT, Chelsea Green Publishing, 2015.

WEEK 7 OCTOBER 11TH

Thinking in Systems

A Systems Thinking and Diagramming Workshop
Professor Jaime Stein

ASSIGNMENT

Project Assignment 3. Future City System Diagram. Will be started in class workshop

BLOG 5. Read and respond to the following publications by Monday 11:59PM.

THEME 4. ENVIRONMENTAL & SOCIAL INFRASTRUCTURE

Ascher, Kate, and Wendy Marech. *The Works: Anatomy of a City*. New York: Penguin, 2005. Print.

Banker, Mary, David J. Burney, and Jayne Merkel. *We Build the City: NYC's Design Construction Excellence Program*. N.p.: n.p., n.d. Print.

Also Review the Websites of:

The New York City Department of Sanitation
The New York City Department of Environmental Protection
The New York City Department of Parks and Recreation
Department of City Planning (especially the Community Profiles)

Koval, Marianna, et. al., "The Urban Answer to Climate Change: Rally a City to Capture Stormwater." The Daily News, August 14th, 2017. Web. August 21, 2017
<http://www.nydailynews.com/opinion/urban-answer-climate-change-article-1.3404347>

NYC Department of Environmental Protection Press Release: "City Completes Construction of 115 Rain Gardens in Flushing to Improve the Health of Flushing Creek and Flushing Bay." 15, Aug. 2017.
http://www.nyc.gov/html/dep/html/press_releases/17-072pr.shtml#.WZs-N9MrLdQ

WEEK 8 OCTOBER 18TH

Lecture. Environmental Systems and City Agencies.
With a Retrospective of NYC's Stormwater Management

ASSIGNMENT

BLOG 6. Read and respond to the following publications by Monday 11:59PM.

Meadows, Donella H., et al. *The Limits to Growth: the 30-Year Update*. Earthscan, 2010.
Read the Author's Preface, Chapters 1 and 2

Carrying Capacity

http://www.sustainable-environment.org.uk/Principles/Carrying_Capacity.php

<https://enviroliteracy.org/environment-society/population-studies/carrying-capacity/>

WEEK 9 OCTOBER 25TH

Lecture: Sustainable Cities & Carrying Capacity
Review of Carrying Capacity and Focus on Study Areas
Professors Ron Shiffman & Jaime Stein

ASSIGNMENT

Project Assignment 4. SWOT Analysis. Draft the strengths, weaknesses, opportunities and threats that you have come to understand about your study area.

BLOG 7. Read and respond to the following publications by Monday 11:59PM.

Griffin, Toni L., et al. *The Just City Essays*. New York: The J.Max Bond Center, 2015.
Web. 22 Aug. 2016. Retrieved from <http://static1.squarespace.com/static/56266613e4b0a5df57a46c9d/t/5629464de4b05257bed3c507/1445545549774/TheJustCityEssays.pdf>

Coates, Ta-Nehisi. *The Case for Reparations*. The Atlantic. June 2014
Retrieved from Web: <https://www.theatlantic.com/magazine/archive/2014/06/the-case-for-reparations/361631/>

WEEK 10 NOVEMBER 1ST

Lecture. Vulnerabilities and Disparities in the City
General Impressions on Study Areas
Professor Jaime Stein

ASSIGNMENT

BLOG 8. Read and respond to the following publications by Monday 11:59PM.

<http://www.sciencedirect.com/science/article/pii/S0305900699000045>

WEEK 11 NOVEMBER 8TH

Lecture. Rezoning & Carrying Capacity
Professors Ron Shiffman & Jaime Stein

ASSIGNMENT

BLOG 9. Read and respond to the following publications by Monday 11:59PM.

THEME 4. ENVIRONMENTAL & SOCIAL INFRASTRUCTURE, CON'T.

Bullard, Robert D. "Environmental Justice in the 21st Century." Environmental Justice Resource Center, 15 Nov. 2008. Web. 13 Aug. 2016.

Retrieved from <http://www.deanza.edu/faculty/sullivankristin/pdf/es56bullardej21century.pdf>

Bullard, Robert D. *Dumping in Dixie: Race, Class, and Environmental Quality*. Boulder: Westview Press, 2000. Print. Chapters 1 - 3

Also visit the websites of:

[New York City Environmental Justice Alliance](#)

[Uprose - United Puerto Rican Organization of Sunset Park](#)

Nos Quedamos

The Point CDC

El Puente

WEEK 12 NOVEMBER 15TH

Special Lecture: Carl Anthony, Author

The Earth, The City and the Hidden Narrative of Race

<http://www.newvillagepress.net/book/?GCOI=97660100341370>

Location: The New School

ASSIGNMENT

Project Assignment 5. Carrying Capacity Limitations. With what you have learned to date....refine your Future City Scenarios, Systems Diagram and SWOT. Draft your study area's Carrying Capacity Limitations and Concerns. Deliver via LMS by 11:59PM on **Monday NOVEMBER 27th.**

The following Theme 5 readings will be the basis for the Week 13 Lecture.

Theme 5. Measuring Success: Standards & Metrics of Sustainability

PlaNYC: A Greener Greater New York http://s-media.nyc.gov/agencies/planyc2030/pdf/planyc_2011_planyc_full_report.pdf

OneNYC: <http://www1.nyc.gov/html/onenyc/index.html>

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader* {Routledge Urban Reader Series}. Routledge, 2004. Print.

"Urban Sustainability Reporting". Maclaren pg. 367

NOVEMBER 22ND NO CLASS. THANKSGIVING BREAK

WEEK 13 NOVEMBER 29TH

Lecture. Sustainability Standards.

Measures of Success

Professor Jaime Stein

ASSIGNMENT

Project Assignment 6. Draft Standards and Metrics. Using the following readings as reference, draft standards and carrying capacity metrics that would support sustainable development in your study areas. Deliver via the LMS by 11:59PM on Monday.

The New York City Environmental Justice Alliance. (2016). New York City Climate Justice Agenda: *Strengthening the Mayor's OneNYC Plan*. New York City: The New York City Environmental Justice Alliance.

Retrieved from http://www.nyc-eja.org/public/publications/NYC_ClimateJusticeAgenda.pdf

New York City Department of Parks and Recreation. (2014). NYC Parks: Framework for An Equitable Future (p. 22). New York City: New York City Department of Parks and Recreation. Retrieved from <http://www.nycgovparks.org/downloads/nyc-parks-framework.pdf>

New Yorkers for Parks. (n.d.). Manhattan's East Side - Open Space Index (p. 40). New York City: New Yorkers for Parks. Retrieved from <http://www.ny4p.org/research/osi/EastSideOSI.pdf>

Lawson, V., Zhang, Q., Chapman Brown, S., & Kutateladze, B. (2015). Equality Indicators (p. 121). New York City: The City University of New York's Institute for State and Local Governance. Retrieved from <http://equalityindicators.org/wp-content/uploads/2015/08/Equality-Indicators-Report-September-30-2015.pdf>

WEEK 14 DECEMBER 6TH

Metrics for Carrying Capacity Workshop

Discussion of Class Project Standards and Metrics
Professor Jaime Stein

Assignment

Complete your Future City Scenarios and Carrying Capacity Findings, include Sustainable Development Strategies for your study areas.
Read the following publications to help arrive at your strategies:

THEME 7. SUSTAINABLE DEVELOPMENT STRATEGIES

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader* {Routledge Urban Reader Series}. Routledge, 2004. Print.

“Biophilic Cities”. Timothy Beatley pg. 181

“The Metabolism of Cities”. Herbert Girardet pg. 197

“Waste as a Resource”. John Tilman Lyle pg. 224

Brown, Hillary. *Next Generation Infrastructure: Principles for Post-Industrial Public Works*. Washington: Island Press, 2014. Print.

Meadows, Donella H., et al. *The Limits to Growth: the 30-Year Update*. Earthscan, 2010. Review Chapters 7 and 8

WEEK 15 DECEMBER 13TH

Sustainable Development Strategies

Presentations of Future City Scenarios and Carrying Capacity Findings

Professor Jaime Stein and Ron Shiffman

IV. COURSE REQUIREMENTS

Textbooks, Readings, and Materials:

This course has a mix of fundamental, current affairs and supplemental readings. All readings can be found in the course locker, PSPD library or will be provided digitally. As a rule, fundamental reading will not necessarily be discussed in class. However they are still required, they were selected to provide you with a foundational understanding of sustainable communities. Current affairs readings are listed with their corresponding classes, they are required for your full engagement in the class discussion. Lastly the supplemental readings you will find listed with their corresponding classes. These readings are optional and will not only provide you with a deeper understanding of the concepts covered in class but are essential in any sustainable development library.

Copies of the course texts to share will be made available in the PSPD Library or on line.

Required Readings:

Beatley, T., and S. M. Wheeler. *The Sustainable Urban Development Reader* {*Routledge Urban Reader Series*}. Routledge, 2004. Print.

Brown, Hillary. *Next Generation Infrastructure: Principles for Post-Industrial Public Works*. Washington: Island Press, 2014. Print.

Bullard, Robert D. *Dumping in Dixie: Race, Class, and Environmental Quality*. Boulder: Westview Press, 2000. Print.

Meadows, Donella H., et al. *The Limits to Growth: the 30-Year Update*. Earthscan, 2010.

Meadows, Donella H., and Diana Wright. *Thinking in systems: a primer*. White River Junction, VT, Chelsea Green Publishing, 2015.

Venkataraman, Anusha. *Intractable Democracy: Fifty Years of Community-Based Planning*. Brooklyn: Programs for Sustainable Planning and Development, Pratt, 2010. Print.

Wheeler, Stephen. *Planning for Sustainability: Creating Livable, Equitable, and Ecological Communities*. New York: Routledge, 2004. Print.

Supplemental Readings:

Gehl, Jan. *Cities for People*. Washington: Island Press, 2010. Print.

Hawken, Paul, Amory B. Lovins, and L H. Lovins. *Natural Capitalism: Creating the Next Industrial Revolution*. Boston: Little, Brown and Co, 1999. Print.

McDonough, William, and Michael Braungart. *Cradle to Cradle: Remaking the Way We Make Things*. New York: North Point Press, 2002. Print.

Wackernagel, Mathis, and William E. Rees. *Our Ecological Footprint: Reducing Human Impact on the Earth*. Gabriola Island: New Soc. Publishers, 1996. Print.

GRADING: PARTICIPATE, BLOG, PRESENT, ANALYZE

PARTICIPATE: Twenty percent [20%] of your grade will be based on class participation

Engage in class discussions – “dare to be dumb” and “think outside of traditional convention”. Be willing to challenge both faculty and your colleagues in class but do it in a polite, constructive and supportive manner.

Participants will be asked at the beginning of each class to raise current issues that they have been made aware of during the past week by reading newspapers and periodicals. We strongly suggest that you review the assignments beforehand and start on them in time to have them completed by the required date.

BLOG: Thirty percent [30%] of the grade will be based on your weekly blog.

Participants will be asked to keep an electronic digitized notebook/blog that should contain:

- A. A summary of the articles and other assigned readings including a synopsis and response to the assigned questions regarding the readings; and
- B. Any independent research you have been engaged in during the semester and
- C. General impressions, observations, concerns and comments.

An edited copy of your “digital notebook” should be posted on the LMS blog site **each week** it is assigned and please check the box making the blog viewable “by others”. Blogs will be reviewed weekly. Prior to the Thanksgiving Break on November 22nd your blog will be evaluated and a letter grade evaluation given.

The blog should be completed and available for final review by December 9th.

There will be no extensions. There are 9 Blogs total.

PRESENT: Ten percent [10%] of your grade will be based on a **Pecha Kucha** style presentation

Participants will be asked to complete a pecha kucha style presentation of an article/event of their interest related to sustainable development. Here are a few tips and requirements:

- A. Images are key!
- B. 20 slides, 20 seconds per slide
- C. Time your slides. Whatever presentation platform you use, remember to set a time that advances the slides every 20 seconds
- D. Cite 3 sources using MLA style citation

For more Pecha Kucha tips, visit:

Genzuk, Michael, Ph.D. Pecha Kucha: Tips, Resources and Examples. N.p.: U of Southern California, n.d. Web. 21 Aug. 2016. Retrieved at: http://www.usc.edu/dept/education/CMMR/Pecha_Kucha_TipsResourcesExamples.pdf

ANALYZE: Forty percent [40%] of the grade will be based on community research and presentation

The City of New York is struggling to provide affordable housing, most notable for low and very low income New Yorkers. In an effort to develop this affordable housing, Mayor Bill De Blasio created the Zoning for Quality and Affordability initiative. Through this initiative, the City has and continues to propose neighborhood “rezonings” which will allow for increased residential and commercial density in select neighborhoods. The website City Limits has a wealth of coverage available @ ZoneIn <https://citylimits.org/series/zonein/> One aspect of sustainability within urban environments like New York is the decreased ecological footprint of city dwellers. Urban conditions such as mass public transit, walkability and density are major contributors to the sustainability of cities. But how much density is too much? What are some limitations and challenges that arise from increased density. What are the limits to urban growth? In this class we will examine the impacts of increased density and attempt to assess the carrying capacity of our neighborhoods. We will examine the Environmental, Political, Social and Economic aspects of carrying capacity and merge these with a vision for the sustainable future city.

Students, working in small teams will be asked to complete an analysis of a NYC neighborhood targeted for rezoning. We have selected the following neighborhoods: The Rockaways in Queens, Jerome Avenue in the Bronx, Chinatown in Manhattan and East New York in Brooklyn. Teams will be assigned in Week 4.

The full analysis will consist of the following components. A portion of the analysis will be assigned by and completed for the corresponding Intro to GIS course. The components listed below are in addition to the GIS course requirements. Those students not taking the GIS course are also required to complete the following analysis. Details and requirements for each component will be given 1 week prior to the due date.

The Project Assignment consists of the follow elements:

Assignment 1. Future City Scenarios

- Assignment 2. First Hand Analysis**
- Assignment 3. Future City System Diagram**
- Assignment 4. SWOT Analysis**
- Assignment 5. Carrying Capacity Limitations**
- Assignment 6. Carrying Capacity Standards and Metrics**
- Final Deliverable Due in class on December 13th**

V. POLICIES

Institute-wide policies listed in the "Community Standards" section of the bulletin:

- Students must adhere to all Institute-wide policies listed in the Bulletin under "Community Standards" and which include policies on attendance, academic integrity, plagiarism, computer, and network use. Please see <http://www.pratt.edu/policies> (click on Judicial Procedures) for policies and procedures for handling academic conduct issues.

Policy on students with disabilities:

- Those who require special accommodations for disabilities must obtain clearance from the Office of Disability Services at the beginning of the semester. Please contact Mai McDonald, Disability Services Coordinator, in the Office of the Vice President for Student Affairs, Main Building, Lower Level: 718-636-3711. See <http://www.pratt.edu/disabilityservices/> for more information.

Any additional applicable school, departmental, or personal course policies:

- On-time attendance at each class meeting is expected. Partial attendance, i.e. lateness or early departure, will each count as one-half an absence if not excused in advance.
- Three absences will lower the final letter grade in the course by one full grade, four absences by two grades, and five absences will result in failure. If all absences are excused by Health and Counseling Services, special arrangements will be made.
- It is expected that students will check the course website (<http://LMS.pratt.edu>) to download readings, check guidelines for assignments, and check course announcements.
- It is expected that students will obtain a Pratt e-mail address and check this mailbox for official course communication.
- Late assignments will be reduced by one full grade per each day late. Late assignments will only be accepted at the discretion of the instructor (i.e., in very unusual circumstances and/or arranged well in advance).