

CMCE 1155:
Computers Applications and Engineering Technology

Research Project: Sustainable NYC

Sustainability is a powerful idea that appeals to many institutions and people. In the words of the political scientist John Dryzek, "just as democracy is the only game in town when it comes to political organization, so sustainable development is emerging as the main game... when it comes to environmental affairs." Yet we are confronted by the task of making this idea — this hope, really — into reality.

There is also a larger argument to be made about New York City's influence in a world filled with cities. Good New Yorkers, I think, innately believe that New York City has everything, and that the city has an outsized effect on the world. The city that we enjoy today, however, is in large part thanks to the work of visionaries over a century ago, who built the water system, preserved crucial park space, and planned the shape of the city for both continuity and change. To meet growing environmental challenges, and to lead the way for other cities, we need to continue to set similarly ambitious goals for the future.

David Hsu

Fellow of the Design Trust for Public Space

Hsu, David. *Sustainable New York City*. New York: Design Trust for Public Space, 2006. Pg 5.

Assignment:

Research a specific project in NYC that demonstrates sustainable design. This may be a building, public space, or project related to the built environment. Begin your project by visiting the site and collecting information and photos. Your final product will be a research paper and Power Point presentation.

Topics to include:

- Why was the project created?
- Who is responsible for creating, designing, building, funding the project?
- What features support the project's sustainability?
- Where is the project located and how does this impact its sustainability?
- When was the project created, designed, built?

Requirements:

- **Coordinate a site visit:** Visit the site, contact the building or operating agency to schedule a tour. Make sure to obtain any required permissions for access or photography rights. **Documentation from your site visit must be included in your research project.**
- **Research Paper must include:**
 - Word document with file name: "Sustainable NYC_Last, First Name"
 - Cover Page with:
 - Title
 - Student Name
 - Student Section
 - Date Due
 - Body of text: Approximately 3 pages double-spaced, Times New Roman size 12. The total document will be approximately 6 pages including the cover page, pictures (pictures can account for only 1 page length) and works cited page
 - Include drawings (plans/details/maps) and pictures that are properly cited
Minimum of 3 credible sources
 - Works Cited page, properly formatted
- **Power Point presentation must include:**
 - Power Point presentation with file name: "Sustainable NYC_ Last, First Name"
 - Provide an overview of your selected project. Outline key elements in your research paper and make sure to give sufficient project background and sustainable aspects.
 - Images and other media to describe your topic
 - Minimum of 5 slides
- **Use MLA 6th edition to cite all sources, include entire web address. Remember not to plagiarize!**

Due Date: 3/22 at the start of class

A **printed copy** and **digital copy** of the research paper and notes pages of the powerpoint presentation must be submitted at the beginning of class. Late projects will not be accepted. Email the digital copy to Prof.N.Anderson@gmail.com
Each student will present their project (Power Point presentation) during class March 22nd.