

Syllabus- UP 594

Survey of Sustainable Development Techniques

<u>Date</u>	<u>Topic</u>
26-Aug	Historic Policies and their Consequences Overview of Sustainable Development Practices and Barriers
2-Sep	Community Gardens/Urban Agriculture
9-Sep	Green Infrastructure
16-Sep	Green Transportation Design
23-Sep	Shrinking Cities
30-Sep	Climate & Sustainability
7-Oct	Market Barriers to Green Development
14-Oct	Brownfields Policy Development – Chicago Brownfields
21-Oct	Areawide strategies to urban revitalization 30th St Industrial Corridor (Milw)
28-Oct	Green Energy
4-Nov	Sustainability & Social Capital
11-Nov	Green Building Exchange
18-Nov	Green Historic Preservation
25-Nov	T - day
2-Dec	FinAL

Potential Class Topics

Required

Each student will be responsible for a major class topic. The product will consist of a class lecture (20-25 minutes) & paper (5-10 pages). Topics must be chosen by second week, dates for class presentation will be assigned by third week.

Past Topics

- Automobiles And Air Pollution
- Watershed Management
- Walkable Communities: Why They Are Important And What We Need To Do To Develop Them
- Bioregional Planning: A Case Study Of The Citizens' Bioregional Plan For Northeast Ohio
- Farm Land Preservation-
- Community Greens
- Brownfield Discussion Points
- Building Green: An Economic Perspective
- Native Landscaping
- Industrial Ecology: A Response To Excessive Waste
- The Modern Green Roof And Its Benefits To The Urban Environment
- Social Equity And Environmental Justice: The Need In Northwest IN
- Going Native In Seattle
- Large Urban Open And Natural Spaces
- Farmland Preservation/Local Food Systems, Promote Sustainable Development In the "Big-Box" - Making Sustainable Development Work For Big-Box Retailers
- Green Factories And Green Economic Development
- Architecture And Building Materials
- Mixed Use Development
- Landfill Redevelopment/Designs W/ Artist Input
- Conservation Design
- New Urbanism & Traditional Neighborhood Development
- Urban Sprawl
- Promote Sustainable Development To A "Retail" Housing Market.
- Energy- Case Study Of Pilot Electric Efficiency Program
- CERCLA
- Regional Green Infrastructure Vision Through Open Space And Greenways Preservation
- Historic Preservation & Teardowns
- Sustainable Campuses
- Sustainable Food Systems
- Sustainable Architecture
- Best Practices for Sustainability & Affordable Housing
- Promoting Urban Bicycling - Latest Innovations
- Sustainable Farming (Wtr Use in W States)

- Suburban Environmentalism vs. Urbanism
- So Maccata/Eureka & Greater Humboldt Co, CA
- Conservation Land Trust
- Urban Greenways/Green Infrastructure
- NOLA Road Home/Global Green Program
- Sprawl & Poverty
- Eco-tourism & Sus Development
- Green Practices in Affordable Housing
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Other

- TOD
- SD Benefits of New Urbanism SD Benefits of Smart Growth
- Biodiversity as a Component of SD
- Redevelopment and Community Services: Benefits of SD
- Public Health Benefits of SD
- SD and Stormwater Management
- Incentives for SD Practices
- Economic Tools to Promote SD
- Promoting Low-Impact Development
- Barriers to SD in Codes and Ordinances
- Global Warming and SD
- Approaches to SD in Other Parts of the World
- SD Success Stories from Local Governments
- SD and Economic Disparities
- SD and Social Justice
- Costs of SD Practices
- Promotion of Green Buildings
- Nonprofit SD Strategies
- Area-wide Planning for SD
- Work with Hammond (IN) PHA & City on Redevelopment of 66 yr old Public Housing (actual project)
- Sustainable Redevelopment in Post Katrina Louisiana – the Road Home Program
- Sustainable Affordable Housing (maybe work with HUD)
- The Post - Katrina Sustainability Challenge in Southern Louisiana

First Assignment

Also before the first class (9/2) please read the following two articles

<http://salient.nohomepress.org/wp-content/uploads/2008/03/hbr-rminatcap.pdf>

<http://www.ratical.org/co-globalize/nextIndusRev.pdf>

After reading the assignment,, the assignment is to select an aspect of your day-to-day existence that has environmental consequences. Describe the environmental consequences, and briefly discuss more sustainable alternatives.

Assignment #2

Date Assigned: 8/26/10

Due: 9/2

Topic: Policy Analysis & Sustainability

One – two page paper

Take one contemporary government policy & tell us why, 50 years from now, it will be viewed as a mistake. Explain what problem it was meant to address & what issue its unintended consequences raises.