UP 880: URBAN SUSTAINABILITY
Spring 2016
Mondays 1:30 to 4:00pm RM. 189

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229.6165 Room 257
Office Hours: By Appointment

COURSE OBJECTIVES

1. Expand your knowledge about a variety of urban sustainable challenges and opportunities.
2. Explore alternative strategies for encouraging implementation of sustainable practices and regulations.
3. Increase your understanding of sustainable measurements for various types of projects, uses, and applications.

DATE TOPIC & RECOMMENDED READING (resources available on D2L)

1/25 A. Course Introduction – Basis of Sustainability
B. Smart Growth & Urban sustainability foundations, models, & theories
   Eco-Municipalities
   Smart Growth
   Natural Step
   APA Policy
   Energy Efficiency Plans
C. Introduce Assignment 1 – Municipal Planning Models

   Resources: “Toward a Sustainable Community,” UW-Extension
   1996 JAPA “Urban Sustainability Reporting”

2/1 A. Adaptation and Resilience Planning
B. Erick Schambarger – Exec. Director, City of Milwaukee Office of Environmental Sustainability

   Resources: http://city.milwaukee.gov/sustainability ReFRESH
   “Promising Practices in Adaptation & Resilience,” Institute for Sustainable Communities
   “Chicago GUD”
2/8  
A. Removing Market Barriers to Green Infrastructure  
B. Process for Including Green Infrastructure  
C. Introduce Assignment 2 – Rating & Measurement Systems  
D. Karen Sands, MMSD -- Green Infrastructure  

Resources:  
“Fresh Coast: Sustainable Water Reclamation Report,” MMSD online  
“Growing with Green Infrastructure,” Karen Williamson, Heritage Conservancy  
“Sustainable Design and Green Building Toolkit”

2/15  
Assignment 1 Presentations

2/22  
Assignment 1 Presentations

2/29  
A. LEED and LEED ND – sustainable buildings and neighborhoods  
B. Net Zero Development_Extreme Rating System – Is it possible?  
C. Jan Van den Kieboom, Workshop Architects – LEED examples and lessons

3/7  
A. Urban Agriculture_Gardens to Farms  
B. Sustainable Design & Green Building Toolkit for Local Governments  
C. Introduce Assignment 3 – Group Projects

Resources:  
“Sustainable Design & Green Building Toolkit,” June 2010, EPA  
www.epa.gov/smartgrowth/partnership/tools.html  
www.greenplaybook.org/  
www.usgbc.org

3/14  
NO CLASS – SPRING BREAK

3/21  
Assignment 2  Summary Presentations, turn in full assignment

3/28  
A. Kate Nelson, UWM Sustainability – Campus Sustainability Initiatives  
B. Importance of Urban Open Space  
C. Economic Development Side of Sustainability

Resources:  
“The Excellent City Park System, What Makes it Great and How to Get There,” The Trust for Public Land  
“The Benefits of Parks,” The Trust for Public Land  
4/4  A. Protecting Water Resources _ Water Centric Cities  
B. Water Quality Scorecard  
C. Introduce Assignment 4: Final Project  
D. In class review of Assignment 3  

Resources:  
“Protecting Water Resources with Smart Growth,” EPA  
“Stormwater Guidelines for Green, Dense Redevelopment,” Community Design + Architecture

4/11  Assignment 3, group presentations to Clients

4/18  A. Corey Zetts, Menomonee Valley Partners  
B. Bringing it All Together – Resources and the Future of Urban Sustainability  

Resource:  
“Smart Growth is Smart Business”  
“Menomonee Valley Plan 2.0”

4/25  A. The Brewery Presentation & Site Tour – MEET at The Brewery  

Resource:  
“The Brewery Sustainability Guide”  www.thebrewerymke.com

5/2  Presentations: Case Study

5/9  Presentations: Case Study
GRADING

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RECOMMENDED TEXT AND READINGS

D2L links and web articles as provided.

ACADEMIC MISCONDUCT

The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others’ academic endeavors. Student academic misconduct procedures can be found at:

http://www4.uwm.edu/acad_Aff/policy/academicmisconduct.cfm

See Schedule of Classes for more University policies.