

## UP 880: URBAN SUSTAINABILITY

Fall 2024 Mondays 2:30 to 5:10pm AUP 345

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Office Hours: Mondays 1:30-2:20pm, or by appointment, Room 389

### 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.

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### TECHNOLOGIES AND SOFTWARE

We will use the following programs, please download if you don't already have access:

- o **Canvas** – course materials
- o **OneDrive** – online file sharing folder to upload your assignments as noted in the syllabus.
- o **Zoom** – online as needed for class: link in Canvas Announcements

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DATE	TOPIC & RECOMMENDED READING
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9/9	<b>2 minute Free-Write “What is Sustainability?”</b> Smart Growth & Urban sustainability foundations, models, & theories Eco-Municipalities                      Smart Growth APA Policy                                      Energy Efficiency Plans Adaptation and Resilience Planning, City Initiatives Introduce Assignments 1 – Municipal Planning Models <i>Resources:</i> PAS Report Planning for Climate Mitigation and Adaptation Toward a Sustainable Community, Volume 2. UW-Extension <a href="#">Link</a>
9/16	<b>Lindsay Frost, UWM Sustainability</b> – Campus Sustainability Initiatives & Tour An inclusive approach – transit, site, building, operations, and curriculum.

*Sunday 9/22 Upload Assignment to OneDrive by 5:00pm*

9/23 **Assignment 1 Municipal Plan Presentations**

9/30 Green & Healthy Schoolyards, Milwaukee Public School Transformations

**Green Schoolyard Tour: Justin Hegarty and Lisa Neeb**

Gaeslen School 1250 E Burleigh, Milwaukee 53212

Introduce Assignment 2 – Sustainable Strategies for Green Schoolyards and Parks

*Resources:*

Reflo Green Schoolyard Projects [Link](#)

Brookings Institution Green Schoolyards [article](#)

10/7 **Bre Plier, MMSD – Green Infrastructure Principles and Initiatives**

Eco Districts and Sustainable Urbanism

Density and Stormwater – solutions from parking to green roofs

*Resources:*

Fresh Coast: MMSD [Link](#)

Sustainable Design and Green Building Toolkit, EPA

<https://archive.epa.gov/greenbuilding/web/html/>

*Sunday 10/13 Upload Assignment 2 to OneDrive by 5:00pm*

10/14 **Assignment 2 Sustainable Strategies for Green Schoolyards and Parks**

10/21 **The Brewery Site Visit – walking tour**

<https://thebrewery.org/sustainability/>

10/28 **2 minute article presentations (Group A)**

Sustainable Rating Systems

LEED and LEED ND – sustainable buildings and neighborhoods

**Rosheen Styczinski, New Eden Landscape Architecture** – Designing with SITES and Sustainable Placemaking

Introduce Assignment 3 – Rating & Measurement Systems

***DISCUSSION: What incentives are needed to encourage sustainable design and construction?***

*Resources:* usgbc.org and usgbc.org/guide/nd

11/4      **2 minute article presentations (Group B)**  
Building Materials and Energy Resources  
Importance of Urban Open Space & Biophilic Design  
**DISCUSSION: Sharing Your Favorite Public Space**  
Introduce Assignment 4: Case Study and Marketing  
*Resources:*  
PAS Report Planning Biophilic Communities  
PAS Report Planning for Urban Heat and Resilience  
Trust for Public Land [Link](#)

*Sunday 11/10 Upload Assignment 3 to OneDrive by 5:00pm*

11/11      **Assignment 3: Rating System Presentations**

11/18      **Corey Zetts – Menomonee Valley**  
**2 minute article presentations (Group C)**  
FOOD Access & Equity for Sustainable Neighborhoods  
Urban Agriculture – Gardens to Farms

11/25      **2 minute article presentations (Group D)**  
**Guest Speaker – Alternative Transportation Systems**  
**Guest Speaker – Sustainable Street Design Strategies**  
*Resources:*  
Energy.gov Sustainable Transportation and Fuels [Link](#)

12/2      **2 minute article presentations (Group E)**  
**Patrick Finucane, SARUP – “Circular Economy: A systems thinking approach to Urbanism”**  
Removing Market Barriers to Green Infrastructure  
**DISCUSSION: Future of Urban Sustainability**  
**Final Assignment Review**

*Sunday 12/8 Upload Assignment 4 to OneDrive by 5:00pm*

12/9      **Presentations: Case Study and Marketing Feature**

## **2-minute article presentation: SUSTAINABILITY “In the News”**

Find a current article, online or local news, that highlights a current climate or sustainable topic. Describe the topic, innovative aspect, and your opinion on opportunities for impactful change. Present to class on your assigned date. Submit article link. Individual assignment.

No media required, but useful to have a slide or image.

- A. Amland, Winkler, Lane, Malanaphy
- B. Williams, Armendariz, Farin, Sveen
- C. Avar, Vargas-Nunez, Carreno, Tarannum
- D. Cudworth, Topetzes, Thurston, Enriquez
- E. Norlander, Mendoz-Zarate, Karbasi Dehkharghani

## **RECOMMENDED TEXT AND READINGS**

Syllabus links and resources posted on Canvas.

## **COURSE LEARNING FORMAT AND INTERACTION**

Each class period will include a lecture and some interactive group activities. The online weekly reading postings are available on Canvas or via links noted in the syllabus.

## **USE OF ARTIFICIAL INTELLIGENCE**

In this class, you may use Artificial Intelligence (AI) for assignments with appropriate citations. Please be aware that despite the many uses of AI language models, it is important to recognize AI’s limitations and use this technology both responsibly and ethically. AI-generated answers and quotes are known to be highly biased, inaccurate, incomplete, or generally unreliable. It is your responsibility to critically evaluate all responses generated with the use of AI. Furthermore, you must cite AI when it is used. Taking credit for any work that is not your own original work constitutes academic misconduct and is subject to disciplinary action as defined by *UWS Chapter 14*. CETL’s tips on [Academic Integrity](#).

## **UWM POLICY: ESTIMATE OF TIME INVESTMENT** by the average student

On average, students should spend 48 hours per credit per semester on in-class activities and activities outside of the classroom (approx. 144 hours for a 3-credit course).

## **GRADING**

Class participation, attendance, and article	15%
Project #1: Municipal Plan (pairs)	20%
Project #2: Sustainable Strategies for Schoolyards & Parks (groups)	20%
Project #3: Rating System (individual)	20%
Project #4: Case Study and Marketing (groups)	25%

Late projects are those not presented or posted at the assigned time. Late projects will be graded down half grade if turned in within two days of the due date (Wednesday noon following the due date), one full grade if they are turned in Friday at noon following the due date. Projects later than one week will be graded down two full grades.

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**Refer to the grading rubrics posted to Canvas as a guide to understanding expectations for each assignment.**

A	93%
A-	90%
B+	87%
B	83%
B-	80%
C+	77%
C	73%
C-	70%
D	65%

## **ATTENDANCE**

Students are expected to attend all classes and be prepared for class discussions. Exceptions to this policy include excused absences for religious observances or documented health or safety emergencies. Other reasons for excused absences need to be discussed with the faculty prior to the absence. Attendance in another class or for work is not an excused absence.

## **COURSE LEARNING FORMAT AND INTERACTION**

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## **EQUITY AND INCLUSION**

The Department of Urban Planning is committed to addressing systemic racism across all of its dimensions in our curriculum. Towards this goal, the Department of Urban Planning acknowledges the historical roles of urban planning in creating and replicating racial inequities in the built environment. We are committed to developing pedagogical approaches and curricular content to train urban planners on anti-racist planning strategies.

We desire to foster and reinforce an inclusive culture that embraces the richness of our diverse society. The Department of Urban Planning facilitates and advances respectful dialogues among participants (students, instructors, class project clients, community members) of diverse backgrounds and experiences. This course welcomes diverse backgrounds and thoughts and strives to make our community more equitable and inclusive.

## **UWM RESOURCES + POLICIES**

*[Syllabus Links - Secretary of the University \(uwm.edu\)](#)*

*<https://uwm.edu/deanofstudents/campus-cares/>*

## **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:*

*<https://uwm.edu/academicaffairs/facultystaff/policies/academic>*

## **SUPPORT U: Students in Need**

Any student who faces challenges securing their food, housing, or technology, or is struggling with mental, physical, or emotional health, and believes this may affect their performance in the course is urged to contact the Dean of Students (dos@uwm.edu) for support. Furthermore, please notify the professor if you are comfortable doing so. Support U offers wrap-around holistic support for students, including basic needs, accessing the food pantry, emergency funding, case management, and connecting to resources, etc.