LAND ARC 210: Introduction to Landscape Architecture Design

Introduction to the techniques of landscape design, planning, and management through studio exercises. Principles of graphic communication media, and development of practical graphic skills to enhance the professional student’s ability to communicate with lay and professional audiences.

Instructor: James Steiner
Offered Hybrid: Tuesdays 8:50 to 11:55 IN-PERSON; Thursdays 8:50 to 11:50 REMOTE SYNCHRONOUS
Requisites: None
Credits: 4
Level: Elementary
L&S Credit Type: Counts as LAS credit (L&S)
LAND ARC 211: Landscape Inventory & Evaluation Methods

Inventory and evaluation of physical, biological, visual, and cultural site resources to determine their potential for enhancement of human activities and their sensitivities to use-impact. Emphasis on information sources, data gathering methods and analysis techniques with projects to develop proficiency.

Instructors: James LaGro & Bradley Vowels
Offered: Lecture Monday/Wednesday 2:30 to 3:45; Lab Monday OR Wednesday 7:00 to 8:00pm
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 4
Level: Intermediate
Breadth: Natural Science
L & S Credit Type: Counts as LAS credit (L&S)
URB R PL 215: Welcome to Your Urban Future

For many, our shared future experience will be urban and interconnected. With increasing urbanization comes ever-changing pressures on rural and suburban places and building a sustainable and equitable urban future will require a diversity of people from many disciplines, social backgrounds, and ways of thinking. Introduction to those disciplines and perspectives occurs through three major themes: organization of cities, services within cities, and dynamics of cities. Each theme will highlight multiple disciplines, their historical and potential future roles in shaping cities, and their interconnections within urban systems. The course will include speakers from multiple UW-Madison departments.

Instructor: Gavin Luter
Offered: Monday/Wednesday 4:00 to 5:15
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 3
Level: Elementary
Breadth: Humanities
L&S Credit Type: Counts as LAS credit (L&S)
Have you ever wondered why New York’s Central Park looks the way it does? Curious about the design of Tenney, Vilas, or other parks in Madison? And what's up with all those plants in the Lurie Garden in Chicago’s Millennium Park? This lecture course traces the evolution of landscape architectural design in the United States from the earliest town plans and gardens of the Colonial Period right up to present-day landscapes such as High Line Park (NYC) pictured at left. We focus on the IDEAS that influence landscape design and look for MEANING in gardens, parks, campuses, corporate headquarters, neighborhoods, and cities.

Instructor: Doug Hadley
Mode of Instruction: Remote Asynchronous
Requisites: None
Credits: 3
Level: Elementary
Breadth: Humanities
L & S Credit Type: Counts as LAS credit (L&S)
LAND ARC 321: Environment and Behavior Studio: Designing Health Promoting Environments

This course is a design studio with an emphasis on the application of design principles aimed at promoting people’s health and wellbeing in the built environment.

Instructor: Kristin Thorleifsdottir
Offered: Wednesday/Friday 8:45 to 11:45
Mode of Instruction: Remote Synchronous
Requisites: LAND ARC 261 and DS 221
Credits: 4
Level: Intermediate
Breadth: Social Science
L & S Credit Type: Counts as LAS credit (L&S)
LAND ARC 353: Landscape Architectural Technology I: Grading, Drainage, and Sustainable Practices

Adaptive responses to a changing environment, with focus on landform manipulation, and stormwater harvesting and management for a sustainable future.

Instructor: Shawn Kelly
Offered: Lecture Wednesday 7:45am to 8:35am;
        Studio Lab Wednesday/Friday 1:20pm to 3:20pm
Mode of Instruction: Remote Synchronous
Requisites: Declared in Landscape Architecture BLA
Credits: 3
Level: Intermediate
L & S Credit Type: Counts as LAS credit (L&S)
LAND ARC 361: Wetlands Ecology

Types, origins, settings, and structure of wetlands. Physical, biological, and cultural values, uses and assessments. Physical and biological characteristics and dynamics. Protection, management and restoration. Field trips, literature review, term paper, and personal observations required.

Instructor: David Bart
Offered: Tuesday/Thursday 3:30 to 4:45
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 3
Level: Intermediate
Breadth: Biological Science
L & S Credit Type: Counts as LAS credit (L&S)
LAND ARC 375-001 Special Topics: Prescribed Fire-Ecology & Implementation

The course provides a background in fire ecology, fire behavior, fire effects, and the prediction of fire behavior for fields of the upper Midwest (wetland, prairie, savanna). The course includes field training with live fire exercises and the efficient use of equipment. Upon successful completion, students will receive a certificate of completion from the National Wildfire Coordinating Group (NWCG).

Instructor: Jeb Barzen
Offered: Tuesdays 3:30 to 6:30
Mode of Instruction: January 25 to March 2 Remote Synchronous; March 9 to April 20 in-person outdoors at UW-Madison Arboretum
Requisites: None
Credits: 3
LAND ARC 375-002 Special Topics: Social Justice & Urban Landscape

This course explores the relationship between urban landscapes and social justice. Landscape architects design public spaces—parks, plazas, urban parklets, and so on—that are sites in which social power is constructed, maintained, and contested. Designed landscapes are created in particular historical contexts and thus express the social relations of power of that time. But landscape meaning continues to change through time, sometimes intentionally and visibly as in the recent BLM protests in Lafayette Square (DC) and at other times in hidden and unacknowledged ways.

We will begin with an examination of Central Park, designed in 1868 by the landscape architect Frederick Law Olmsted, who believed that parks could improve social relations between people. At the same time, park construction removed others from the landscape. From here, we will explore U.S. urban landscapes chronologically and end the semester with sustained focus on the recent “Black Landscapes Matter” scholarship within landscape architecture. As a seminar course, the major learning activities include weekly readings and discussions, one short research paper and a final project presentation.

Instructor: Sam Dennis
Offered: Monday/Wednesday 4:00 to 5:15
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 3
LAND ARC 375-003 Special Topics: Survey of Restoration Ecology

Restoration Ecology is an important conservation practice with roots in the science of ecology as well as the art of landscape design. The focus of restoration is on maintaining, and often re-introducing a region’s natural plant communities, including grasslands, forests, and wetlands, and the ecosystem services they provide. You will learn about the origins of modern restoration practice and how to plan, implement, monitor and manage a project. We will consider projects in both rural and urban areas and those covering hundreds of hectares as well as small city lots.

Instructor: Evelyn Howell
Offered: 5 WEEKS - January 25 to February 28; Monday/Wednesday 2:30 to 3:45
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 1
LAND ARC 375-007 Special Topics: Design With Nature: Wisconsin’s Native Plants

This course is all about Wisconsin’s native plants and their importance in creating a sense of place for the people of the state. You will become acquainted with a variety of plants growing in Wisconsin grasslands, woods, and wetlands and learn their current use in landscape design, as well as some of their folklore and cultural history. We will talk about gardening for birds and pollinators, for seasonal displays and for defining outdoor rooms. We will also cover some basics of propagation and long-term care.

Instructor: Evelyn Howell
Offered: 5 WEEKS: March 1 to April 4; Monday/Wednesday 2:30 to 3:45
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 1
LAND ARC 375-008 Special Topics: Natural Landscape Design

This course is all about the science and art of using native plants to design the outdoor spaces in our communities and around our homes to enhance our quality of life and help conserve the natural environment. You will learn about the principles behind native landscape design, the factors that led to its development, and the many ways in which this form of expression enhances our quality of life and contributes to good health and well-being. You will have the opportunity to create a landscape design for a site of your choosing, or one provided by the instructor.

Instructor: Evelyn Howell
Offered: 4 WEEKS – April 5 to April 30;
        Monday/Wednesday 2:30 to 3:45
Mode of Instruction: Remote Synchronous
Requisites: None
Credits: 1
URB R PL 411: Marketplaces and Entrepreneurship

The history, practices, processes, and prospects of marketplaces generally and farmers markets in particular. Includes the history, practices, and processes, of entrepreneurship and the tight fit between markets and entrepreneurship. Explores marketplaces and entrepreneurship through the lens of economic development, food justice, and political regionalism.

Instructor: Alfonso Morales
Offered: Tuesday/Thursday 1:00 to 2:15
Mode of Instruction: Remote
Requisites: Sophomore standing
Credits: 3
Level: Intermediate
Breadth: Social Science
Gen Ed: Communication Part B
LAND ARC/URB R PL 463: Evolution of American Planning

The nature and cultural significance of contemporary methods for the systematic formulation of public policies for community, metropolitan, and state development through comprehensive planning. Historic roots, recent trends and new directions in American planning concepts, institutions and professional specializations.

Instructor: Kurt Paulsen
Offered: Tuesday/Thursday 11:00 to 12:15
Mode of Instruction: Remote Synchronous
Requisites: Junior Standing
Credits: 3
Level: Intermediate
Breadth: Social Science
L&S Credit Type: Counts as LAS credit (L&S)
LAND ARC 561: Housing & Urban Design

An application of landscape design principles and problem-solving methods to housing and urban issues with attention to physical site design, land-use controls, and the relationship between housing and associated land uses. The built environment is continuously changing through multiple land development-and redevelopment-decisions. Public policies on housing, transportation, mortgage financing, and taxation, in conjunction with changing demographics and lifestyle preferences, are just some of the factors that influence the evolving structure and function of the built environment. Landscape architects can play important roles--through design, civic engagement, and policy advocacy--in making our cities and suburbs healthier and more sustainable. Studio projects focus on the central city and/or suburbs.

Instructor: Jim LaGro
Offered: Lecture Tuesday 1:20 to 2:10; Studio Lab Tuesday/Thursday 2:25 to 5:25
Mode of Instruction: Remote Synchronous
Requisites: Declared in Landscape Architecture (BLA), LAND ARC 261 & 321
Credits: 4
Level: Advanced
Breadth: Social Science
L&S Credit Type: Counts as LAS credit (L&S)
LAND ARC 562: Open Space Planning & Design

Form-giving design of open spaces in urban and rural settings and management for amenity and functional values. Integration of human activity requirements and experiences with physical and natural site features.

Instructor: Eric Schuchardt
Offered: Lecture Tuesday 8:50 to 9:40; Studio Lab Tuesday/Thursday 9:55 to 12:55
Mode of Instruction: Remote Synchronous
Requisites: LAND ARC 261 & 321 or graduate/professional standing
Credits: 4
Level: Advanced
Breadth: Social Science
L&S Credit Type: Counts as LAS credit (L&S)
URB R PL 590 Topics: Climate Action Planning: Sustainable Transportation

Using principles of experiential learning, this course offers hands-on experience collaborating with the UW–Madison Office of Sustainability to prepare assessments of sustainable transportation in the campus context. Through this effort, we will learn fundamental concepts of climate action planning and sustainable transportation. We will work with campus partners and real campus data to analyze policies, programs, and plans to reduce greenhouse gas emissions from work- and school-based travel, as well as the potential health and well-being co-benefits of sustainable transportation interventions. Building on our already robust programs for active transportation, we will focus on reducing the carbon footprint of campus fleets and other auto-based travel on campus; and reducing the carbon footprint of university-related air transportation.

Instructor: Carey McAndrews
Offered: Monday 2:25 to 4:55
Mode of Instruction: Remote Synchronous
Requisites: Senior standing
Credits: 3
Level: Advanced
Course Options: 50% Grad Coursework Requirement
LAND ARC 611: Senior Capstone in Landscape Architecture

Problems in landscape design, planning and management for which students take the initiative in their definition and solution. Provides an opportunity for synthesis of the knowledge, skills, and approaches learned in previous course work.

Instructors: Shawn Kelly and Eric Schuchardt
Offered: Tuesday/Thursday 1:20 to 5:30
Mode of Instruction: Remote Synchronous
Requisites: LAND ARC 610 & declared in Landscape Architecture BLA
Credits: 4
Level: Advanced
L&S Credit Type: Counts as LAS credit (L&S)
General Education: Communication Part B
GEOG 675 Topics: Planning for the Ecological City (formerly taught as URPL 841)

Over half of the world’s population now lives in urban areas, with an expected increase of 2.5 billion people in the next 30 years. As conversion of previously undeveloped lands into urbanized uses continues, we are faced with a number of environmental issues, for instance, fragmentation and destruction of habitats, and decreased air and water quality. Effective planning and policy can help mitigate environmental problems caused by land development and urbanization, and consequently, there is a critical role for planners and environmental professionals. This class is designed to familiarize students with ecological processes, strategies for “designing with nature,” planning responses to environmental problems in the United States, and geospatial environmental data and tools in order to analyze issues related to ecological land development.

We will meet twice a week. Monday meetings are designed as seminars and students will take lead in most of our sessions. Wednesday meetings are generally designated for analyzing geospatial environmental data and getting familiar with different geospatial tools.

Instructor: Asli Gocmen
Offered: Monday and Wednesday; times being determined
Mode of Instruction: Remote Synchronous
Requisites: Introductory GIS background and consent of instructor
Credits: 3
LAND ARC 695: Applications of Geographic Information Systems in Natural Resources

Course has four components: 1) Detailed review of GIS concepts; 2) Case studies; 3) GIS implementation methods; 4) Laboratory to provide "hands-on" GIS experience.

Instructor: Being determined
Offered: LECTURE Monday/Wednesday 9:55 to 10:45; LAB 302 Wednesday 11:00 to 1:00; LAB 303 Tuesday 9:00 to 11:00; Lab 304 Monday 11:00 to 1:00
Mode of Instruction: Being determined
Requisites: LAND ARC 211 or GEOG/CIV ENGR/ENVIR ST 377 or graduate/professional standing
Credits: 3
Level: Advanced
L&S Credit Type: Counts as LAS credit (L&S)