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: T/R 8:50am-11:55am OR T/R 1:20pm-4:20pm
Requisites: None
Level: Elementary
Credits: 4
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 sensitive to use-impact. Emphasis on information sources, data gathering methods and analysis techniques with projects to develop proficiency.

Instructor: Brad Vowels-Katter
Offered: Lecture M 2:30pm-3:45pm
       Lab W 1:00pm-2:15pm OR W 2:30pm-3:45pm
Requisites: None
Level: Intermediate
Breadth: Natural Science
Credits: 4
URB R PL 215: Welcome to Your Urban Future

We live in an increasingly urban world, and we anticipate that 70% of the world's population will live in urban areas by 2050. How can we make the future of urban areas be as bright as possible? The answer begins with YOU. In this class, you will begin to understand what role you play in building thriving, equitable cities and shaping your urban future.

Instructor: Gavin Luter
Offered: M/W 4:00pm-5:15pm
Requisites: None
Breadth: Humanities
Credits: 3
LAND ARC 260: History of Landscape Architecture

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 Luries 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 the present-day landscapes such as High Line Park (NYC). 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
Offered: Online
Requisites: None
Level: Elementary
Breadth: Humanities
Credits: 3
LAND ARC 321: Environment & Behavior Studio, 'Designing Health Promoting Environments'

Design studio with an emphasis on the application of design principles aimed at promoting people's health and wellbeing in the built environment.

Instructor: Sam Dennis
Offered: W/F 8:45am-11:45am
Breadth: Social Science
Level: Intermediate
Requisites: LA 261 and DS 221
Credits: 4
LAND ARC 353: Landscape Architectural Technology I

Problems dealing with the comprehension and modification of the earth's surface including landform design, preparation of grading plans, earthwork calculations

Instructor: Shawn Kelly
Offered: Lecture M 7:45am-8:35am,
         Lab M/W 1:20pm-3:20pm
Requisites: Declared in Landscape Architecture BLA
Level: Intermediate
Breadth: Natural Science
Credits: 3
LAND ARC 361: Wetlands Ecology

Types, origins, settings, and structures 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: T/R 3:30pm-4:45pm
Requisites: None
Level: Intermediate
Breadth: Biological Science
Credits: 3
LAND ARC 375.001/301: Special Topics, 'GeoDesign Methods'

Instructor: Ed Boswell
Offered: W 2:25pm-3:15pm
Requisites: None
Credits: 3
LAND ARC 375.002: Special Topics, 'Plants for Ecological Design Course II'

Instructor: John Harrington
Offered: 5 wks. of instruction 4/4/22-5/6/22
   M 8:50am-11:20am`
Credits: 1
Note: For BLA second and third year students

*Substitution for required HORT 263 in the BLA program. For second- and third-year students.
Instructor: David Bart & Cheryl Baur-Armstrong
Offered: M 2:25pm-5:25pm
Requisites: None
Credits: 3

LAND ARC 375.004: Special Topics, 'Mangrove Restoration in Puerto Rico'
Over half of the world's seven and a half billion population live in urban areas. In the next 30 years, the number living in urban areas is expected to increase by 2.5 billion. This growth will have an inevitable impact on our natural resources and the quality of city life. How can we plan, design, and develop urban areas to minimize negative environmental impacts? How do we enhance the sustainability, livability, and resiliency of our cities? In this course, we will examine the leading environmental design strategies, tools, and policies developed to answer these questions at different scales from neighborhood sites to metropolitan regions around the world.

Instructor: Asli Gocmen
Offered: Lecture T/R 9:55am-10:45am & Discussion R 8:50am-9:40am
Requisites: None
Credits: 3
Many sources have documented a steady increase in the occurrence of natural hazards, with significant impacts on individuals and communities. What have we learned from natural disasters such as Hurricane Katrina and Superstorm Sandy? Why do some communities bounce back quicker from disasters than others? What can be done to increase resilience to natural hazards?

In this course, we will explore the theoretical underpinnings for hazard mitigation and disaster recovery, as well as planning approaches, tools, and policies to increase resilience to natural hazards.

Instructor: Asli Gocmen
Offered: T/R 2:30pm-3:45pm
Requisites: None
Credits: 3
LAND ARC 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: T/R 11:00am-12:15pm
Requisites: Junior standing
Level: Intermediate
Breadth: Social Science
Credits: 3
URB R PL 551: Climate Action Planning, 'Sustainable Transportation'

Instructor: Carey McAndrews
Offered: T 2:15pm-4:45pm
Requisites: None
Credits: 3
GEOG/URPL 505: Urban Spatial Patterns and Theories

Examines the relationship between cities and the “development” process. Reviews of global scale assessments of urbanization and debates about the production and circulation of knowledge about cities, laying the context for detailed analyses of issues such as the role of the state in the urban development process, new theories of urbanization, postcolonial urbanism, the “politics of sexuality and intimacy” in global cities, urban infrastructures, urban governance, and “new urban frontiers.” While many of these issues are long-standing topics of debate in various disciplines and interdisciplinary networks, our interest will be in recent work that addresses new theoretical, methodological, and empirical questions, or else select classics that have had lasting impacts.

Instructor: Kris Olds
Offered: F 9:30am-12:00pm
Requisites: Junior Standing
Credits: 3
URB R PL 590: Contemporary Topics in Urban & Regional Planning, 'Climate Action by Design'

In this experiential, community-based learning course we will explore climate action through small- and mid-scale environmental design in urban settings. We will specifically focus on food systems, including urban gardens and farms, permaculture, regenerative agriculture, and composting systems, as well as human-powered, active transportation systems, including biking, skating, paddling, and walking transit routes. We will explore this design process with a social justice lens and consider how a co-design approach and participatory planning process can improve equitable access and foster a sense of belonging for people engaging with these systems and places.

Instructor: Nathan Larson
Offered: T/R 11:00am-12:15pm
Requisites: None
Credits: 3
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 T 1:20pm-2:10pm
       Lab T/R 2:25pm-5:25pm
Requisites: Declared in Landscape Architecture (BLA), LAND ARC 261 & 321
Level: Intermediate
Breadth: Social Science
Credits: 4
LAND ARC 562: Open Space Planning and 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 T 8:50am-9:40am
Lab T/R 9:55am-12:55pm
Requisites: LAND ARC 261 & 321 or graduate/professional standing
Level: Advanced
Breadth: Social Science
Credits: 4
LAND ARC 581: Prescribed Fire, 'Ecology and 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: Lecture T 3:30pm-6:30pm
Requisites: None
Level: Advanced
Credits: 3
URB R PL 590: Contemporary Topics in Urban & Regional Planning, 'Climate Action by Design'

In this experiential, community-based learning course we will explore climate action through small- and mid-scale environmental design in urban settings. We will specifically focus on food systems, including urban gardens and farms, permaculture, regenerative agriculture, and composting systems, as well as human-powered, active transportation systems, including biking, skating, paddling, and walking transit routes. We will explore this design process with a social justice lens and consider how a co-design approach and participatory planning process can improve equitable access and foster a sense of belonging for people engaging with these systems and places.

Instructor: Nathan Larson
Offered: T/R 11:00am-12:15pm
Requisites: None
Credits: 3
URB R PL 601: Site Planning

Instructor: Jim LaGro
Offered: W 2:00pm-4:30pm
Requisites: None
Credits: 3
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.

Instructor: Shawn Kelly & Eric Schuchardt
Offered: Lecture T/R 1:20pm-5:30pm
Requisites: LAND ARC 610 & declared in Landscape Architecture BLA
Level: Advanced
General Education: Communication Part B
Credits: 4
LAND ARC 677: Cultural Resource Preservation and Landscape History

Provides an introduction to cultural landscape studies as a corollary to cultural conservation in public folklore, environmental planning, natural and cultural resource management, landscape architecture, and the history of landscape architecture. The course acquaints students with varied concepts of cultural landscape, key historical and cultural landscape research methodologies, and a range of preservation and conservation types involving cultural landscapes, traditional cultural properties, and intangible and tangible cultural heritage. Students observe, research, and write about cultural landscapes, gain an understanding of cultural, historical, and natural dynamics of the (built) environment, and become acquainted with aspects of cultural conservation and landscape preservation nationally and internationally.

Instructor: Sam Dennis
Offered: M/W 4:00pm-5:15pm
Requisites: None
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: Ed Boswell
Offered: Lecture M/W 9:55am-10:45am
Lab W 11:00am-1:00pm (online) OR M 1:20pm-3:20pm
Requisites: LAND ARC 211 or GEOG/CIV ENGR/ENVIR ST 377 or graduate/professional standing
Level: Advanced
Credits: 3
LA 740: Research in Landscape Architecture

Instructor: David Bart
Offered: T/H 12:30pm-1:45pm
Requisites: Graduate/professional standing
Credits: 3
LA 866: Seminar in Natural Plant Community Restoration and Management

Seminar: Restoration Ecology in the Midwest

Instructor: Evelyn Howell
Offered: W 2:30pm-3:45pm
Requisites: Graduate/professional standing
Credits: 3
LA 940: Graduate Seminar

Instructor: Evelyn Howell
Offered: M 1:00pm-2:15pm
Requisites: Graduate/professional standing
Credits: 1-2