FALL COURSES 2022
DEPARTMENT OF PLANNING & LANDSCAPE ARCHITECTURE
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 1:20PM-4:20PM
Requisites: None
Level: Elementary
Credits: 4
LAND ARC 250: Survey of Landscape Architecture Design

Principles of landscape and environmental design; incorporates elements of landscape planning and management. Provides background to the ideas and personalities shaping landscape architecture in America.

Instructor: Doug Hadley
Offered: Lecture T 11am-11:50am; T 12:05pm-12:55pm; T 2:25pm-3:15pm; T 4:35pm-5:25p; T 5:30pm-6:20pm; W 12:05pm-12:55pm; or Online
Requisites: None
Level: Elementary
Breadth: Humanities
Credits: 3
LAND ARC 261: Principles of Landscape Architecture Design and Graphics

Basic principles in the design of landscapes to aid in developing individual capacities and approaches to designing. Principles of graphic communication media and development of practical graphic skills.

Instructor: Sam Dennis
Offered: Lecture M/W 11am-2:45pm
Requisites: Declared in Landscape Architecture BLA
Level: Intermediate
Credits: 4
LAND ARC 264: Dimensions of Material Culture

This course introduces students to the interdisciplinary field of material culture studies. It is intended for students interested in any professional endeavor related to material culture, including careers in museums, galleries, historical societies, historic preservation organizations, and academic institutions. During the semester, students have varied opportunities to engage with and contemplate the material world to which people give meaning and which, in turn, influences their lives. Sessions combine in some way the following: presentations from faculty members and professionals who lecture on a phase of material culture related to his/her own scholarship or other professional work; discussion of foundational readings in the field; visits to collections and sites on campus and around Madison; discussion of readings assigned by visiting presenters or the professors; and exams and short papers that engage material culture topics.

Instructor: TBD
Offered: Lecture T/R 2:30pm-3:45pm
Discussion W 9:55am-10:45am; W 11am-11:50am; OR W 1:20pm-2:10pm
Requisites: None
Level: Elementary
Credits: 4
URB R PL 305: Introduction to the City

Investigates urbanization as a general process, as well as the resulting contemporary physical, social, cultural and political-economic forms of cities. Emphasis will be placed on the history and current forms of spatial and social segregation of cities by race, class, ethnicity, and gender. The myriad ways that cities have addressed the tensions emerging from this history of spatial and social segregation will be highlighted. Further, emphasis will be placed on understanding the experiences of those most-affected by historical and continuing segregation.

Instructor: Sarah Moore
Offered: Lecture T/R 2:30pm-3:45pm
   Discussion W 8:50am-9:40am; W 9:55am-10:45am; W 11am-11:50am; W 12:05pm-12:55pm; W 1:20pm-2:10pm; W 2:25pm-3:15pm; W 3:30pm-4:20pm; OR W 4:35pm-5:25pm
Requisites: Sophomore Standing
Breadth: Social Science, also counts as Ethnic Studies
Level: Intermediate
Credits: 4
URB R PL 306: The Real Estate Process

Introductory survey course. Decision-making processes for the manufacture, marketing, management and financing of real estate space. Survey of institutional context, economics of urbanization, historical pattern and structure of city growth, and public policy issues regarding urban environment and business management.

Instructor: Barry Perkel or Gregory Reed
Offered: Lecture M/W 4:35pm-5:25pm; OR Online
Discussion T 7:45am-8:35am; W 8:50am-9:40am; T 11:00am-11:50am; F 12:05pm-12:55pm; W 6pm-6:50pm; F 1:20pm-2:10pm; OR W 1:20pm-2:10pm
Requisites: Sophomore standing and (ECON 101 or 111) or member of Business Exchange program
Level: Intermediate
Breadth: Social Science
Credits: 3
LAND ARC 311: Introduction to Design Frameworks and Geospatial Technologies (currently LAND ARC 375)

Note: this course is currently titled LA 375 GeoDesign in the Built Environment but is scheduled to be retitled to LAND ARC 311. **LAND ARC 375: Introduction to Design Frameworks and Geospatial Technologies is the same course as LAND ARC 311: Introduction to Design Frameworks and Geospatial Technologies**

Instructor: Ed Boswell
Offered: Lecture R 12:05pm-12:55pm
        Lab T 4pm-5:15pm; W 8am-9:15am; OR R 5pm-6:15pm
Requisites: None
Credits: 3
LAND ARC 354: Landscape Architectural Technology II

Problems dealing with construction detailing, including roadways, drainage structures, construction materials, cost estimating, specifications and working drawings.

Instructor: Shawn Kelly
Offered: Lecture T 7:45am-8:35am
        Lab T/R 8:50am-10:50am
Requisites: Declared in Landscape Architecture BLA
Level: Intermediate
Credits: 3
LAND ARC 363: Earth Partnership: Restoration Education for Equity and Resilience

Ecological restoration education utilizes the power of place to work towards social justice and sustainability. Work with Native Nations and community partners to apply Earth Partnership's 10 Step process. This process includes historical, cultural, ecological, and social justice components. Learn about assets-based, culturally relevant approaches to working with community partners. Interact with guest speakers and partners to experience firsthand different perspectives on environment, cultural priorities, protocols for interaction, and opportunities for relationship building. Work on community-based stewardship projects and reflect upon your epistemological relationship to land and people as global citizens.

Instructor: Cheryl Bauer Armstrong & Maria Del Moreno
Offered: Field T 2:25pm-5:25pm
Breadth: Humanities or Social Science
Level: Intermediate
Credits: 3
LAND ARC 375: Introduction to Design Frameworks and Geospatial Technologies (same as LAND ARC 311)

Note: this course is scheduled to be retitled as LAND ARC 311: GeoDesign in the Built Environment.

LAND ARC 375: Introduction to Design Frameworks and Geospatial Technologies is the same course as LAND ARC 311: Introduction to Design Frameworks and Geospatial Technologies.

Instructor: Ed Boswell
Offered: Lecture R 12:05pm-12:55pm
       Lab T 4pm-5:15pm; W 8am-9:15am; OR R 5pm-6:15pm
Requisites: None
Credits: 3
LAND ARC 375: Special Topics, ‘Mindfulness & Restorative Environments’

In this experiential community-based learning course, we will explore the intersection of mindfulness practices and design of restorative environments that support health and well-being in public places, including school gardens, botanical gardens, and additional outdoor learning environments and gathering places, with a focus on health equity and sense of belonging. We will co-design restorative environments through a participatory planning process with community partners in the Madison Metropolitan School District (MMSD). We will also partner and consult with members of the Mindfulness in MMSD team. Key learning activities and assignments will include weekly readings, videos, and/or audio recordings, small and whole group discussions, nature journaling, contemplative practices and activities, a group project, and a culminating restorative environment co-design project and presentation.

Instructor: Nathan Larson
Offered: W 2:25pm-4:55pm
Credits: 3
LAND ARC 375: Special Topics, ‘Plants for Ecological Design’

Instructor: TBD
Offered: M 3:30pm-4:45pm
Lab R 1:40pm-3:35pm
Requisites: None
Credits: 3
Note: This is a modular section that meets September 7, 2022 thru November 13, 2022 (10 weeks)
LAND ARC 397: Internship in Landscape Design

Integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Includes applied experience and making professional connections in the field of landscape architecture. Apply landscape architecture concepts, practice problem solving-skills, explore multidisciplinary approaches, develop team-work and interpersonal skills, access and use information resources, reflect upon or address ethical and professional issues.

Instructor: Sam Dennis
Requisites: Sophomore standing and declared in Landscape Architecture BLA
Credits: 1
URB R PL 420: Urban & Regional Economics

Nature and structure of urban economies; location of economic activity; economic analysis in an urban framework; principles of urban economic development, housing, transportation, poverty and unemployment and municipal finance. Forecasting of economic activity using census and socioeconomic data.

Instructor: Yongheng Deng
Offered: Lecture M/W 1:00pm-2:15pm; M/W 2:30pm-3:45pm; OR M/W 4:00pm-5:15pm
Requisites: (ECON 101 or 111) or member of Business Exchange program
Credits: 3
LAND ARC 460: Advanced Visual Communication in Landscape Architecture

Focuses on the symbolic and representational computer graphics that are essential elements of design communication in landscape architecture. Reviews the strengths and weaknesses of hand and digital media and the use of both when appropriate. Topics and assignments include advanced hand sketching and graphics, computer graphic techniques, digital photography, advanced digital color theory and rendering, digital image processing, CAD drafting, 2D/3D modeling, image compositing, media formats, and video.

Instructor: Jacob Blue
Offered: Lecture M/W 5:40pm-8:40pm
Requisites: LAND ARC 261
Level: Advanced
Credits: 3
URB R PL 512: Gentrification and Urban Restructuring

An intensive analysis of the process of gentrification through its historical and spatial development within moments of post-fordist urban restructuring in the United States. Highlights urban theory and methodological questions important to the study of gentrification that are relevant to the fields of urban planning, geography and sociology. Case study investigation of particular locations will provide examples to test the applicability of the various analytical frameworks presented in the class.

Instructor: Revel Sims
Offered: R 2pm-4:30pm
Requisites: Graduate/Junior standing
Credits: 3
URB R PL/LAND ARC 532: Applications of Geographic Information Systems in Planning

Explores planning-related Geographic Information System (GIS) data, applications, analytical tools, and implementation issues.

Instructor: Asli Gocmen
Offered: Lecture T 11am-12:15pm
       Lab R 9:30am-12pm
Requisites: GEOG/CIV ENGR/ENVIR ST 377 or graduate/professional standing
Credits: 3
LAND ARC 550: Professional Practice in Landscape Architecture

Introduction to operational procedures used in professional offices ranging from private landscape architectural design firms to public agencies.

Instructor: Shawn Kelly
Offered: Lecture M/W 2:25pm-3:25pm
         Lab M 3:30pm-5:25pm
Requisites: Senior standing and declared in Landscape Architecture BLA
Credits: 3
URB R PL 550: Transportation and the Built Environment

Investigation of multi-modal transportation, travel behavior, and urban form. Attention to site, neighborhood, regional, and global scales. Consideration of public health, environmental, economic, and social equity outcomes.

Instructor: Carey McAndrews
Offered: R 9am-11:30am
Requisites: Graduate/Senior standing
Credits: 3
LAND ARC 556: Remote Sensing Digital Image Processing

Techniques of enhancement and quantification of remote sensing imagery. Emphasis on processing and analyzing data gathered by airborne and satellite sensors. Techniques to quantitatively analyze data from photography, electro-optical scanners, satellite systems, and radar and passive microwave systems. Applications to: agriculture and forestry, geology and soils, water quality, and urban and regional planning.

Instructor: Mutlu Ozdogan
Offered: Lecture W 10am-11:20am
         Lab W 2:30pm-4pm
Requisites: LAND ARC/ENVIR ST/F&W ECOL/G LE/GEOG/GEOSCI 371, graduate/professional standing, or member of Engineering Guest Students
Credits: 3
LAND ARC 560: Plants and Ecology In Design

Explores the process of plant selection and placement in the landscape. The desired landscape will be ecologically appropriate to the setting, sustainable, functional in response to goals, and aesthetically pleasing. Acquire an awareness and understanding of the physical characteristics of plant materials and a sensitivity to their needs based on past and present. Emphasis on the recognition of the philosophy of planting design as a dynamic and changing spatial art and science, the relationship between environment and plants, application of design composition principles to plant selection and placement, and functional and utilitarian uses of plants; i.e., the opportunities and constraints for plants in the designed landscape.

Instructor: TBD
Offered: Lab W/F 8:50am-11:50am
Requisites: Declared in Landscape Architecture BLA and HORT 263
Credits: 4
LAND ARC 563: Designing Sustainable and Resilient Regions

Exploration of broad scale design issues to develop synthesis and design skills. Uses spatial form and bioregional cultural, ecological and environmental concepts to solve land use and conservation problems. Regional design requires advanced techniques for inventory, analysis, and design to help in understanding complex trends, policy and design impacts, hazard mitigation, design intervention suitability, design guidelines, and systems level design. These techniques help us explore the relationships between regions and sites, especially regional implications of site design decisions and site design impacts on regional characteristics and systems.

Instructor: Edna Ledesma
Offered: Lecture 9am-11:30am
Requisites: LAND ARC 562
Credits: 4
URB R PL 590: Contemporary Topics in Urban & Regional Planning, ‘Mindfulness & Restorative Environments'
URB R PL 601: Site Planning

Survey of site planning theory and methods; standards for municipal review of site plans and related design proposals. Topics include architecture, vehicle circulation and parking, pedestrian circulation, stormwater management, landscaping, outdoor lighting, and signage.

Instructor: Jim LaGro
Offered: W 1pm-3:30pm
Requisites: Graduate/Senior standing
Credits: 3
LAND ARC 610: Landscape Architecture Seminar

Capstone project proposal development from a regional to site scale. Includes site visits with clients to gain a better understanding of local conditions and the client's expectations. The final proposal document is grounded in research and includes a literature review, precedent studies, programmatic development, and inventory and analysis mappings that address issues from ecology to public/private partnerships.

Instructor: Eric Schuchardt
Offered: Lecture M/W 1:20pm-2:20pm
Requisites: Declared in Landscape Architecture BLA
Credits: 3
URB R PL 611: Theory & Practice

Focusing on three basic components of the built environment (buildings, transportation systems, and open spaces), addresses the forces that shape land use and transportation patterns, the effects of urban form on public health, safety, and welfare, and ways that communities can make their built environments more livable and environmentally sustainable.

Instructor: Jim LaGro
Offered: R 1:30pm-4pm
Requisites: Graduate/Senior standing
Credits: 3
URB R PL 639: Culture and Built Environment

The course explores cultural values embedded in buildings through understanding physical configurations, social organizations, practiced/symbolic/representational aspects of buildings. The course covers a wide range of cultures and the built environments they produce including examples from the Americas, the Middle East, as well as those of the many ethnic minorities in the U.S.

Instructor: TBD
Offered: Lecture T/R 11am-12:15pm
Requisites: Junior Standing
Credits: 3
Restoration is an approach to the conservation of native species, plant communities, and ecosystems. It is an interdisciplinary global enterprise practiced by private and public sector professionals and dedicated volunteers of all ages. Covers both the theory and practice of restoration ecology and examine the current opportunities, challenges, and controversies that underlie the field. The goal may be to preserve nature, but restoration is a fundamentally human enterprise—it is accomplished for and by people. Therefore, we cover information from ecology, sociology, and the humanities.

Instructor: David Bart & Evelyn Howell
Offered: Lecture T/R 1:20pm-2:10pm
        Lab R 2:25pm-5:25pm
Requisites: BIOCORE 381, ZOOLOGY/BIOLOGY/BOTANY 152, ZOOLOGY/BIOLOGY 102, BIOLOGY/BOTANY 130, or graduate/professional standing
Level: Advanced
Credits: 3