FALL 2021 COURSES
OPEN TO GRADUATE STUDENTS

DEPARTMENT OF PLANNING & LANDSCAPE ARCHITECTURE
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 Kelley

LECTURE Tuesday 7:45-8:35am AG HALL 25F
LAB Tuesday/Thursday 8:50-10:50am AG HALL 25F
Requisites: Declared in Landscape Architecture undergraduate program
Credits: 3
Level: Intermediate
L&S Credit Type: Counts as LAS credit (L&S)
LAND ARC 363: Earth Partnership: Restoration Education for Equity & 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.

Instructors: Maria Moreno & Cheryl Bauer-Armstrong
Tuesday 2:25-5:25 in-person ROOM PENDING
Requisites: Junior Standing
Credits: 3
Level: Intermediate
Breadth: Humanities, Social Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: Sustainability
LAND ARC 375-001 Topic: GeoDesign in the Built & Natural Environment

Geodesign considers questions and methods necessary to solve large, complicated, and significant design problems across a range of geographic scales. This course will introduce methods and GIS concepts as they relate to geodesign problems through interactive lectures and synchronous discussions focused on a series of laboratory exercises using ArcGIS Pro and ArcGIS.

Instructor: Ed Boswell
LECTURE Thursday 12:05-12:55 AG HALL 25F
(choose one lab)
LAB 301 Tuesday 4:00-5:15 AG HALL 25H
LAB 302 Wednesday 8:00-9:15am AG HALL 25H
LAB 303 Thursday 5:00-6:15 AG HALL 25H
Credits: 2
LAND ARC 375-005 Topic: Plants for Ecological Design*

This course focuses on plants as the basis for ecologically based landscape design in urban and rural settings. It includes lectures, field trips, and lab exercises. We will consider plants contextually, looking at plants in their native habitats to understand the relationships between and among plants and their environment. You will learn to identify the aesthetic, functional, and cultural characteristics of key native plants of Wisconsin’s forests, wetlands and grasslands as well as a variety of horticultural species and how to use them together to create beautiful, resilient and high performing outdoor spaces that enhance human health and well-being and provide a number of global ecosystem services.

Instructors: Evelyn Howell & Mary Myers
10-week course September 8-November 14
LECTURE 3:30-4:45 Monday
LAB Thursday 1:20-3:15
Requisites: None
Credits: 2
Level: Elementary
L&S Credit Type: Counts as LAS credit (L&S)
* Substitution for required HORT 263 in the BLA program. For second- and third-year students.
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. We will also review the strengths and weaknesses of hand and digital media and the use of both when appropriate. Assignments consist of sketchbook, drawing exercises, and visual communication projects. These assignments will cover advanced hand sketching and graphics, computer graphic techniques, including 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
Monday/Wednesday 5:40-8:40 AG HALL 25J & 25F
Requisites: LAND ARC 261
Credits: 3
Level: Advanced
L&S Credit Type: Counts as LAS credit (L&S)
URB R PL 512: Gentrification & 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
Thursday 2:00-4:30 MUSIC HALL 208
Requisites: Junior Standing
Credits: 3
Level: Advanced
Breadth: Social Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: 50% Graduate Coursework Requirement
URB R PL 550: Transportation & the Built Environment

Investigation of multi-model 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
Thursday 9:00-11:30 MUSIC HALL 208
Requisites: Senior Standing
Credits: 3
Level: Advanced
Breadth: Social Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: Sustainability 50% Graduate Coursework Requirement
LAND ARC 560: Plants & 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: Mary Myers
Wednesday/Friday 8:50-11:50 ONLINE
Requisites: Declared in Landscape Architecture (BLA) and HORT/LAND ARC 263
Credits: 4
Level: Advanced
Breadth: Natural Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: Sustainability
URB R PL 590 Topic: Building Leadership Competency for Sustainable Impacts

We live in a time of accelerating change that is fraught with new harms, new demands and impacts from and to the environment and society. Leadership and leader development are core to grappling with both near and long-term increasing uncertainty, shortening decision cycles and shifting resource and regulatory environments. In this course you will work to create a road map for your personal arc of leadership development by building an understanding of core leadership skills, participating in leadership engagements, and interacting with leaders from commercial, government and non-governmental sectors. You will learn the high value of learning to lead yourself, how to assess and influence leadership values within different types of organizations, and the need to rapidly and systematically analyze successes and failures in leadership in order to create your own impactful and sustainable leadership style.

Instructor: Jeff Sledge
Tuesday 9:00-11:30 MUSIC HALL 208
Requisites: Juniors, Seniors and Graduate Students
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: 50% Graduate Coursework Requirement
URB R PL 590 Topic: Mindfulness & Restorative Environments

In this experiential learning course, we will explore the intersection of mindfulness practices and design of restorative environments that support well-being in public places—including school gardens and parks—with a focus on health equity and social justice. We will co-design restorative environments through a participatory planning process with partners at two school communities in the Madison Metropolitan School District (MMSD) and with members of the Mindfulness in MMSD team. Key learning activities will include weekly readings and discussions, site visits and assessments, journaling and personal reflection, and a final group project.

Instructor: Nathan Larson
Tuesday/Thursday 8:50-11:50 in-person ROOM PENDING
Requisites: None
Credits: 3
Level: Elementary
L&S Credit Type: Counts as LAS credit (L&S)

Offered for undergraduates via LAND ARC 375-004
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. Intended for students without design backgrounds.

Instructor: Jim LaGro
Wednesday 1:00-3:30 MUSIC HALL 208
Requisites: Senior standing & instructor consent or graduate student
Credits: 3
Level: Advanced
Breadth: Humanities, Social Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: 50% Graduate Coursework Requirement
LAND ARC 668: Restoration Ecology

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.

Instructors: Evelyn Howell and David Bart
LECTURE Tuesday/Thursday 1:20-2:10 in-person ROOM PENDING
LAB Thursday 2:25-5:25 AG BULLETIN 103
Requisites: LAND ARC 560 or (LAND ARC 365 prior to Spring 2019)
Credits: 3
Level: Advanced
Breadth: Biological Science
L&S Credit Type: Counts as LAS credit (L&S)
Course Options: Sustainability; 50% Graduate Coursework Requirement
URB R PL 721: Methods of Planning Analysis

Research methods and statistics used in analyzing planning problems: conceptualization, design, and implementation of planning research; statistical methods for analyzing data including review of inferential statistics, analysis of variance, correlation, and multiple regression; use of computer; review sources of planning data.

Instructor: David Marcouiller
LECTURE Monday/Tuesday 12:30-1:45 MUSIC HALL 208
DISCUSSION Tuesday 1:45-3:00 MUSIC HALL 109
Requisites: Graduate/professional standing
Credits: 3
Course Options: 50% Graduate Coursework Requirement
URB R PL 741: Introduction to Planning

Evolution of contemporary urban and regional planning thought. Major conceptual dilemmas in theory and practice. Emerging trends in planning, e.g., forecasting and futurism.

Instructor: Carey McAndrews
Monday 2:00-4:30 Music Hall 208
Requisites: Graduate/professional standing
Credits: 3
Course Options: 50% Graduate Coursework Requirement
URB R PL 751: Introduction to Financial Planning

State and local financial planning with emphasis on the functional importance of expenditure; special problems in financing city and metropolitan governments; intergovernmental fiscal relations and the use of various budgetary techniques as integral parts of the planning process.

Instructor: Kurt Paulsen
Monday/Wednesday 11:00-12:15 Music Hall 208
Requisites: Graduate/professional standing
Credits: 3
Course Options: 50% Graduate Coursework Requirement
URB R PL 912: Planning Workshop

Selected problems in planning to emphasize the interdisciplinary character of planning practice and to give opportunity to apply socioeconomic analysis, physical planning, and implementation techniques.

Instructor: Being Determined
Friday 9:00-11:30 AG BULLETIN 103
Requisites: Graduate/professional standing
Credits: 3
Course Options: 50% Graduate Coursework Requirement
LAND ARC 940: Graduate Seminar

This course is all about establishing a learning community in which we can investigate and share the areas of theory, practice, and methods that underlie our various interest areas. The class is organized around three activities:

1. **Individual Project/Research Presentations** by all participants whose projects are in various stages of development from brainstorming possible topics to sharing final results;

2. **Journal Reviews** during which we report on and interpret scholarly articles that relate to the various interests of the participants; and

3. **Discussions of Current Events** related to our professional interests.

Instructor: David Bart

Monday 1:20-3:15 ROOM PENDING

Requisites: Graduate/professional standing

Credits: 1-2

Course Options: 50% Graduate Coursework Requirement