

**University of Wisconsin–Madison**  
**Department of Planning and Landscape Architecture**  
**BLA and MSLA Programs**

**Spring Semester 2019**  
**COURSE DESCRIPTIONS**

**Land Arc 210 (001) Introduction to Land Arch Design (4 credit)**

**Meets:** 2:30-5:30 pm, TTH Ag Bulletin 103

**Instructor:** James Steiner

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.

**Prerequisite:** NA

**Note:** One of three prerequisites for the professional design degree program (BLA).

Level – Elementary, L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Land Arc 211 (001, 301) Landscape Inventory & Evaluation Methods (4 credits)**

**Meets:** Lecture 12:05-12:55 pm, WF Agr Hall 14; Lab 9:55-11:50 am, WF

**Instructor:** Evelyn Howell, Doug Hadley

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.

**Prerequisite:** NA

**Note:** One of three prerequisites for the professional design degree program (BLA).

Breadth - Natural Science, Level – Intermediate, L&S Credit - Counts as Liberal Arts and Science credit in L&S

### **Land Arch 260 (001) History of Landscape Architecture (3 credits)**

**Meets:** ONLINE

**Instructor:** Doug Hadley

A critical and historical analysis of our design of outdoor space.

**Prerequisite:** NA

**Note:** Breadth – Humanities, Level – Elementary, L&S Credit - Counts as Liberal Arts and Science credit in L&S

### **Land Arch 321 (002) Health Promoting Environments (4 credits)**

**Meets:** 8:45 – 11:45 am, WF, Agr Hall 25F

**Instructor:** Kristin Thorleifsdottir

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

**Prerequisite:** LAND ARC 201, 261, 262, 312 and DS 221

### **Land Arch 353 (001, 302) Landscape Architecture Technology 1 (3 credits)**

**Meets: Lecture** 7:45 – 8:35 am, WF, Ag Hall 38; **Lab** 1:20-3:20 pm, WF, Ag Hall 25 F and J

**Instructor:** Shawn Kelly

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

**Prerequisite:** MATH 112 and 113 (or equivalent) and CEE 450

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement

### **Land Arch 361 (001) Wetlands Ecology (3 credits)**

**Meets:** 3:30-4:45 pm, TTH, MSB 1510

**Instructor:** David Bart

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.

**Prerequisite:** Upper class standing; basic college-level biology or equivalent (such as relevant physical sciences).

## **Land Arch 375 (001) Survey of Restoration Ecology (1 credit)**

**Meets:** 3:30-4:45 pm, WF, EFE session, 2/18 to 3/31/2018, Agr Hall 14

**Instructor:** Evelyn Howell

Course Learning Objectives: By the end of this course you will:

1. Be able to describe the thinking that informs restoration planning, design, and management.
2. Understand the international scope of contemporary restoration ecology as well as the diverse roots of this interdisciplinary approach to conservation.
3. Understand the complexities of the human-environment relationships that underlie restoration ecology, ranging from human-caused plant and animal community disturbances to the benefits people gain from engaging in conservation activities.
4. Become familiar with the opportunities, benefits, challenges, and drawbacks of restoration.

**Prerequisite:** NA

## **Land Arch 375 (002) Natural Landscaping (1 credit)**

**Meets:** 3:30-4:45 pm, WF, KEE session, 4/1 to 5/3/2018, Agr Hall 14

**Instructor:** Evelyn Howell

This course is all about gardening with native plants. The goal is to introduce you to the wonderful array of effects that you can create using inspirations drawn from nature. We will begin by looking at the history of interest in natural landscaping in the United States, including “native plant mania” that was promoted in the years surrounding World War I, the 20th Century prairie designs of landscape architect Jens Jensen, and the rise of the modern natural landscaping movement in the 1970s. Next, we will cover basic garden design principles and underlying ecological themes. You will then be able to put these ideas to work in creating your own personal native plant pallet and a design for an actual place—your own yard or a space on campus.

**Prerequisite:** NA

## **Land Arch 375 (003) Introduction to Architecture & Environmental Design (3 credits)**

**Meets:** 9:30-10:45 am, TTH, Ag Bulletin 103

**Instructor:** James Steiner

Hands-on studio explores the intersection between architecture, interior design and landscape architecture.

**Prerequisite:** NA

## **Land Arch 375 (004) Field Methods Restoration Ecology (2 credits)**

**Meets:** 3:30 – 5:30 pm, T, and 3:30-4:20 pm, TH, Ag Hall 14

**Instructor:** John Harrington and Jeb Barzen

Special Topics in Ecological Restoration: Prescribed Fire for Native Plant

Community Management: Its Planning and Implementation.

The course provides a background in fire ecology, fire behavior, fire effects, and the prediction of fire behavior for fuels of the Upper Midwest (wetland, prairie, savanna). The course includes field training with live fire exercises (working with fire by burning breaks, spot fire training, implementing prescribed burn plans) and the efficient use of equipment (primarily pump can, drip torch, flapper, radio).

Students will participate in a minimum 3 burns with 3 different burn bosses, fuel types and unit sizes. Students will need to take the online National Wildfire Coordinating Group (NWCG) certified courses of S-130 and S-190 as part of the course. Upon successful completion of these courses and field training students will receive NWCG certificates of completion. Basic S130/S190 certification qualifies an individual to participate on prescribed fire crews as an employee/volunteer for entities including but not limited to: UW-Madison Arboretum; The Nature Conservancy (all state chapters); WI DNR (and likely similar agencies in most other states); all federal agencies conducting prescribed fire (e.g. National Park Service, Fish and Wildlife Service, Forest Service, Bureau of Land Management, etc.); numerous private contractors (e.g. Tallgrass Restoration, LLC, Adaptive Restoration, LLC, Quercus Land Stewardship Services) and municipalities (e.g. Lake County Forest Preserve District in Illinois).

**Prerequisite:** Graduate or upper level undergraduate standing

**Note:** Students who pass the requirements will receive NWCG S-130 & S-190 certification. Such certification will allow them to participate in prescribed burns with many organizations, both public and private.

### **Land Arch 375 (005)**

**Meets:** 10:00 AM – 12:00 PM, Th, Ag Hall 14

**Instructor:** Kristin Thorleifsdottir

Graduate Seminar: Designing Healthy Communities

In this course we will discuss human health and well-being issues as they relate to the quality of the urban environment and rethink the ways communities are planned, designed, and constructed. We will review related literature and evolving evidence-based measures that guide health promoting community design.

**Prerequisite:** Graduate and upper level undergraduate students

**Note:** May be of interest to students in Landscape Architecture, Design Studies, Population Health Sciences, Environmental Studies, Urban and Regional Studies, Community and Environmental Sociology, and Geography.

### **Land Arch 561 (001, 301) Housing and Urban Design (4 credit)**

**Meets: Lecture** 1:20-2:10 pm, T, Agr Hall 10; **Lab** 2:25-5:25, TTH, Agr Hall 25F

**Instructor:** Jim LaGro

An application of landscape design principles and problem-solving methods to housing and urban issues. Introduction to physical site design, land-use controls, and the relationship between housing and associated land uses. Projects focus on the central city and/or suburbs

**Prerequisite:** Third year BLA or permission of instructor

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement

### **Land Arch 562 (001, 301) Open Space Planning & Design (4 credits)**

**Meets: Lecture** 8:50 – 9:40 am, T, Ag Hall 38, **Lab** 9:55 am-12:55 pm, TTH, Agr Hall 25F

**Instructor:** Eric Schuchardt

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.

**Prerequisite:** Third year BLA or permission of instructor

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement

### **Land Arch 611 (001) Capstone in Landscape Architecture (4 credits)**

**Meets:** 1:20 – 5:30 pm, TTH, Agr Hall 25H and 25J

**Instructor:** Shawn Kelly, Eric Schuchardt

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.

**Prerequisite:** Fourth year BLA, completion of LA 610

**Note:** Gen Ed - Communication Part B

### **Land Arch 695 (001, 302, 303, 304) Applications of Geographic Information Systems in Natural Resources (3 credits)**

**Meets:** **Lecture** 9:55 – 10:45 am, MW, Russell Lab 150; **Lab 302** 11:00 am – 1:00 pm, Wed, Agr Hall 25J; **Lab 303** 9:00 – 11:00 am, Tu, Agr Hall 25 J; **Lab 304** 11:00 am – 1:00 pm, Mon, Agr Hall 25 J

**Instructor:** Steve Ventura

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.

**Prerequisite:** Land Arc 211 or GEOG/CIV Eng/Envir St 377 or graduate/professional standing

### **Land Arch 720 (001) Critical Inquiry into Landscape Design Expression (2 credits)**

**Meets:** 11:00 am – 12:15 pm, WF, Agr Hall 14

**Instructor:** Sam Dennis

Normative design theory as it relates to historical and contemporary aesthetic expression in landscape design. Review of critical theory and meaning associated with a broad landscape architecture typology.

**Prerequisite:** Graduate/professional standing

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement

### **Land Arch 740 (001) Research in Landscape Architecture (3 credits)**

**Meets:** 12:30 am – 1:45 pm, TTh, Agr Hall 14

**Instructor:** David Bart

Overview of research: Logic and language of the process, substantive issues, criticism of research literature, developments of detailed proposals. Enroll Info: Grad student in landscape architecture or consent of instructor.

**Prerequisite:** Graduate/professional standing

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement

### **Land Arch 940 (001) Graduate Seminar (1-2 credits)**

**Meets:** 1:00 – 2:15 pm, M, Agr Hall 14

**Instructor:** Evelyn Howell

Individual research, group discussion and workshop covering selected problems relating to the environment and landscape architecture.

**Prerequisite:** Graduate/professional standing

**Note:** Grad 50% - Counts toward 50% graduate coursework requirement