GRADUATE STUDENTS

Fall COURSES 2022
DEPARTMENT OF PLANNING & LANDSCAPE ARCHITECTURE
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
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/ENVIR ST/GEOG/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
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 E/GEOG/GEOSCI 371, graduate/professional standing, or member of Engineering Guest Students
Credits: 3
URB R PL 590: Contemporary Topics in Urban & Regional Planning, ‘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
Requisites: None
Credits: 3
URB R PL 590: Contemporary Topics in Urban & Regional Planning, ‘Planning Orientation Seminar’

Instructor: Ken Genskow
Offered: T 12:45pm-1:35pm
Requisites: None
Credits: 1
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 local food systems, including urban community gardens and farms, permaculture, regenerative agriculture, and composting systems, as well as human-powered, active transportation systems, including biking, skating, 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 1pm-2:15pm
Requisites: None
Credits: 3
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
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
LAND ARC 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: Lab T/R 11am-12:15pm
Requisites: Graduate or Junior
Standing Credits: 3
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.

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
Credits: 3
URB R PL 711: Planning for Food Systems and Marketplaces

Planning for and improving the quality of US metropolitan markets and food systems. Topics include public markets, community food security, urban agriculture, and the public health impact of food systems.

Instructor: Alfonso Morales
Offered: T 2pm-4:30pm
Requisites: Graduate/professional standing
Credits: 3
URB R PL 717: Water Resources Management Practicum Planning Seminar I

The first of two seminars for planning the activities of the practicum.

Instructor: Anita Thompson
Offered: T 1:20pm-2:10pm
Requisites: Graduate/professional standing
Credits: 1
URB R PL 720: Urban Economics

Analysis of spatial relationships in the urban economy, including urban land, labor and housing markets; urban transport; city governance and finance; and regional models. Historical and applied focus. Interdisciplinary approach emphasizing economics, geography, and planning.

Instructor: Joseph Walsh
Offered: T/R 2:30pm-3:45pm
Requisites: Graduate standing and (ECON 301 or 311)
Credits: 3
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 of sources of planning data.

Instructor: Carey McAndrews
Offered: Lecture M 2pm-4:30pm
        Discussion T 2pm-3:15pm
Requisites: Graduate/professional standing
Credits: 3
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
Offered: Lecture M/W 11am-12:15pm
Requisites: Graduate/professional standing
Credits: 3
LAND ARC/ANTHRO/ART HIST/DS/HISTORY 764: 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 M/R 12:05-12:55
Requisites: Graduate/professional standing
Credits: 4
URB R PL/ENVIR ST/PUB AFFR 809: Introduction to Energy Analysis and Policy

Strategy and policy problems in energy policy, both national and international.

Instructor: Gregory Nemet
Offered: T/R 9:30am-10:45am
Requisites: Graduate/professional standing
Credits: 3
URB R PL/ENVIR ST 865: Water Resources Institutions and Policies

Governmental processes and policies for water resources management: major substantive problems and issues; political processes of decision making; problems of governmental organization and intergovernmental arrangements.

Instructor: Ken Genskow
Offered: M/W 9:30am-10:45am
Requisites: Graduate/professional standing
Credits: 3
URB R PL/POLI SCI/PUB AFFR 874: Policy-Making Process

Examines the political, social, and economic contexts that shape and are shaped by policy making processes. Though the focus is on the US, international comparisons will be made, and students are encouraged to think about the American context through comparative and international perspectives. Familiarizes students with dominant theories and models of policymaking process and policy change, starting with the model of the policy cycle. Focuses in on key topics and issues in policy making, specifically, agenda setting, implementation, and the relationships between policymaking and democracy. Reflects on contemporary and emerging issues and dilemmas of the politics of policy making.

Instructor: Manuel Teodoro
Offered: Lecture R 3:30pm-5:25pm
Discussion T 1:20pm-2:10pm OR T 2:25pm-3:15pm
Requisites: Graduate/professional standing
Credits: 3
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: Edna Ledesma
Offered: F 9am-11:30am
Requisites: Graduate/professional standing
Credits: 3
URB R PL/SOC 924: Seminar-Political Sociology

Selected topics in political sociology, e.g., social movements, citizenship, civic engagement, weakening of postwar "social democratic consensus" under financialized globalization pressures.

Instructor: Pamela Oliver
Offered: F 9:30am-12pm
Requisites: Graduate/professional standing
Credits: 3
LAND ARC 990: Graduate Seminar

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

Instructor: David Bart
Offered: M 1:20pm-3:15pm
Requisites: Graduate/professional standing
Credits: 1
LAND ARC 990: Research or URB R PL 990: Research and Thesis
LAND ARC 999: Independent Studies or URB R PL 999: Independent Work