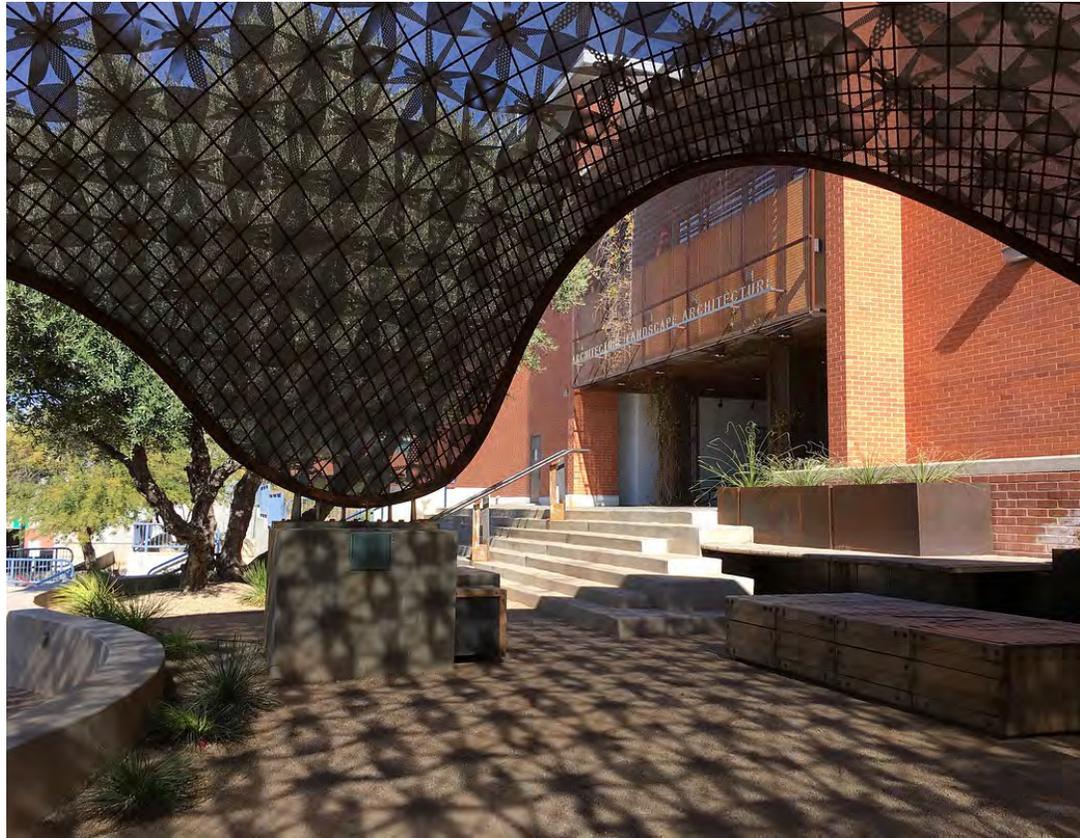


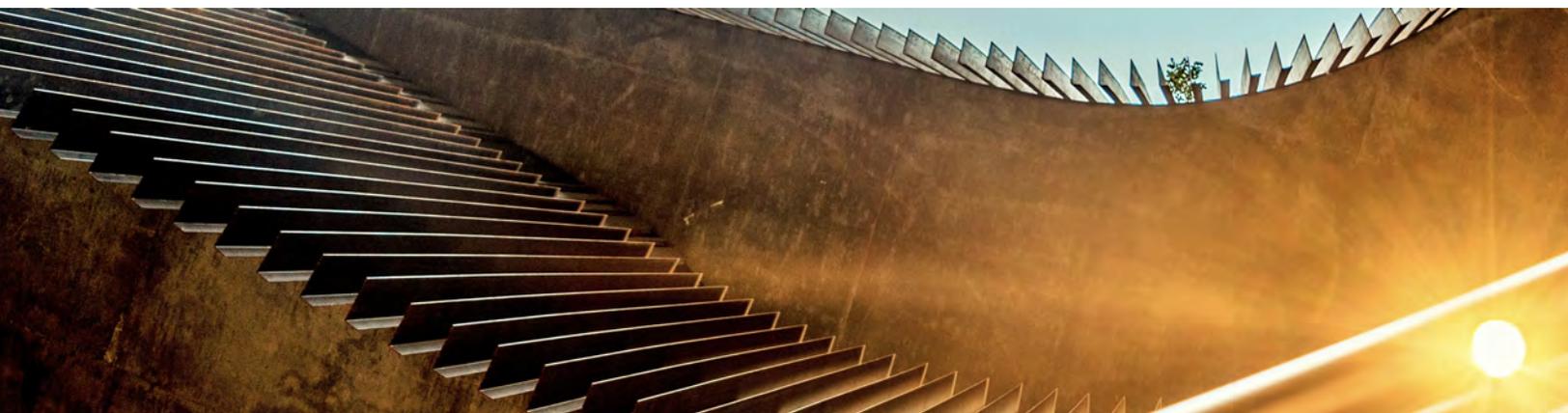


College of Architecture, Planning
& Landscape Architecture



ELECTIVES

Fall 2020



capla.arizona.edu/courses

ARCHITECTURE ELECTIVES – FALL 2020

Please contact Sasha Wilson at s1wilson@email.arizona.edu (undergrad) or Emilio Romero at eromero@email.arizona.edu (grad) if you have difficulty enrolling in any of the architecture courses below.

THIS ELECTIVE LIST IS SUBJECT TO CHANGE: UPDATED 7/8/20

- ARC 160c** **Architecture and Society (3) fully online Simone**
The purpose of this course is to lay the foundation for architectural literacy and develop an understanding of architecture's role in society through ancient times to present day. This is accomplished through studying the major components that effect architecture: region, culture, and technology. The basis of this knowledge is found in understanding the relationship between a society and the forms it creates, as the built environment has, a permanent and profound impact on personal health, productivity and happiness, and on community life. The course follows these factors chronologically through the history of world civilizations, from ancient civilizations to contemporary society in the east and west.
- ARC 160d** **Sonora (3) fully online Lotz**
A multi-disciplinary introduction to the Sonoran Region of Southern Arizona and Northwest Mexico. Providing the context for settlement long before our current political boundaries were shaped, the Sonora is a culture that spans time, human institutions, and political ideology. The course's topics range from earth and natural sciences, social sciences, humanities, architecture, and landscape architecture. Self-guided self-selected field trips form the basis for written investigations; online discussions of texts and current topics broaden understanding of the region and the various ways it is experienced.
- ARC 220** **History of Applied Building Technology (3) fully online Schrenk**
This course will provide an overview of global architectural history from the Industrial Revolution to today with an emphasis on how architects apply historical knowledge in contemporary practice. Note: B.Arch. students may not utilize this for Tier 2 HUM - it may be taken by B.Arch. students for lower division elective credit.
- ARC 303** **Investigating the Exhibition (3) fully online Simone**
This course will examine contemporary exhibitions in the Americas and Europe with the intention of sensitizing the student to the connections between art, design and architecture.
- ARC 461i/561i** **Materials: Properties + Tests (3) 9:00 – 11:30AM F Ida**
Three modules: (1) materials: classifications, physical properties, phenomenal (aesthetic) properties, and fabrication processes; (2) laboratory tests (probes) for empirical verification; and (3) selection of appropriate materials in the design and production of architectonic functional components (details)-preferably at full size.
- ARC 461k/561k** **Energy and the Environment (3) fully online Youssef**
"Energy and the Environment" is a course that fosters awareness and thorough understanding of the qualitative and quantifiable environmental forces that contribute to energy use in buildings. The course introduces basics for understanding solar energy and light, climate and micro climate, and human thermal comfort as related to the built environment.
- ARC 461L/561L** **Energy Use in Buildings (3) fully online Youssef**
"Energy Use in Buildings" is a course that introduces the quantitative and qualitative factors that contribute to energy flows and consumption in buildings. The basis of understanding energy flow and use by buildings depends on the thermodynamic and heat transfer processes and exploration of major external and internal forces acting on buildings.
- ARC 471n/571n** **Arid Region Urbanism: Arizona/Sonora (3) 5:00 – 7:30PM T Vint**
This course will examine past, present and future models of urban development in arid regions, with field trips. It will use our setting in the Sonoran Desert and proximity to Mexico for research and study. Topics include the historical and cultural origins of regional urbanism, as well as the environmental and technical aspects of city-building. We will analyze pre-historic Native American examples; towns founded by the Spanish following the "Laws of the Indies;" post WW2 Anglo-American suburbanization; and possible sustainable urban futures. In a seminar and discussion setting, students will explore topics such as density vs. sprawl, preservation vs. redevelopment, and the design of affordable high density/low-rise courtyard and roof-terrace housing for hot-arid environments. Passports required.
- ARC 493/593** **Internship (1-3) 6:00 – 7:10PM T Hardin**
Specialized work on an individual basis, consisting of training and practice in an architecture firm or allied field. Repeatable for a maximum of 3 units. Permission of instructor required. P. 3rd year and above.
- ARC 496d/596d** **Daylighting, Health, and Behavior (3) 2:00 – 4:30PM T Engineer**
This course focuses on the critical analyses and design of daylighting systems for human comfort, physical and psychological wellbeing. Students will investigate the phenomenon of natural light in built environments from the perspective of a human behavioral and social factors and how daylighting strategies may be implemented to achieve multiple goals of sensory design, comfort, wellbeing, and productivity. Students will test various daylighting design strategies discussed in class via group and individual projects which will include daylighting measurements, observations, photography, and computer simulations.
- ARC 461p/561p** **Environmental Science Technologies (3) 4:00pm-6:45pm T Youssef**
This comprehensive laboratory-based course focuses on understanding sustainable design through investigation of a selection of the most important environmental design principles including: Human Thermal Comfort, Architecture Daylight, Window and Building Shading, Natural Ventilation, and more. These modules focus on laboratory testing and field investigation of students' scaled models to verify thermal and visual performance of their current proposed designs. Sustainability will be achieved through empirical iterative investigation of a series of design

Updated 7/8/2020

improvements using advanced equipment and instruments in the House Energy Doctor laboratory. Final presentations and documentation of improved designs will provide scientific materials suitable for publications and funded grants.

The Portfolio: Advanced Graphics, Presentation, Layout, and Design (3) 5:15 – 6:30PM TTh Maher

ARC 497k/597k

Provides students with an opportunity to revisit past projects - deconstruct them, and develop them to new levels both intellectually and graphically. Works will be coalesced, along with emerging design work, into cohesive graphic and digital portfolios. When possible, this course will integrate with current thesis and capstone projects as well as studio assignments. P. 302 for undergrads, 510d for arch grads, 610 for LAR grads. Contact department to register.

Updated 7/8/2020

ARC 160C1
ARCHITECTURE AND SOCIETY

Instructor: Ashley Simone

EXPLORE WORLD ARCHITECTURE
AT THE INTERSECTION OF
ART+ CULTURE + POLITICS + BUILT ENVIRONMENT

FALL 2020



Market Hall Ghent by Marie-Jose Van Hee architecten and Robbrecht en Daem architecten, Ghent, Belgium

COLLEGE OF ARCHITECTURE, PLANNING and LANDSCAPE ARCHITECTURE
advancing sustainable desing and planning for arid regions



FALL 2020- ONLINE COURSE

ARC160 D1 (GENERAL EDUCATION **TRAD104**)

SONORA:

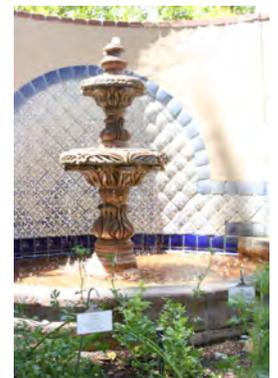
A DESCRIPTION OF PLACE IN ARID AMERICA

INSTRUCTOR: WENDY LOTZE, MLA CREDITS: 3

A **multi-disciplinary** introduction to the Sonoran Region of Southern Arizona and Northwest Mexico. Providing the context for settlement long before our current political boundaries were shaped, the Sonora is a culture that spans time, human institutions, and political ideology. The course's topics range from **earth and natural sciences**, social sciences, **humanities**, architecture, and **landscape architecture**. Self-guided self-selected **field trips** form the basis for written investigations; online discussions of texts and current topics broaden understanding of the region and the various ways it is experienced.

"I did enjoy the semester...I learned a great amount, enjoyed the topics, and would definitely recommend this course to anyone"

"Thank you so much for offering the online Sonoran class. I have learned a lot about the desert I have grown up in ... I really enjoyed the 'field trips' because I probably would not have done on my own."



more information: <http://wendylotze.faculty.arizona.edu/>

ARC 303

Investigating the Exhibiton

Gen Ed **COURSE**

FALL 2020

Instructor:

Ashley Simone

EXPLORE THE
CONNECTIONS BETWEEN

Art

Design

Architecture &

Contemporary
Exhibitions

CONTEMPORARY EXHIBITIONS
AT MUSEUMS SUCH AS

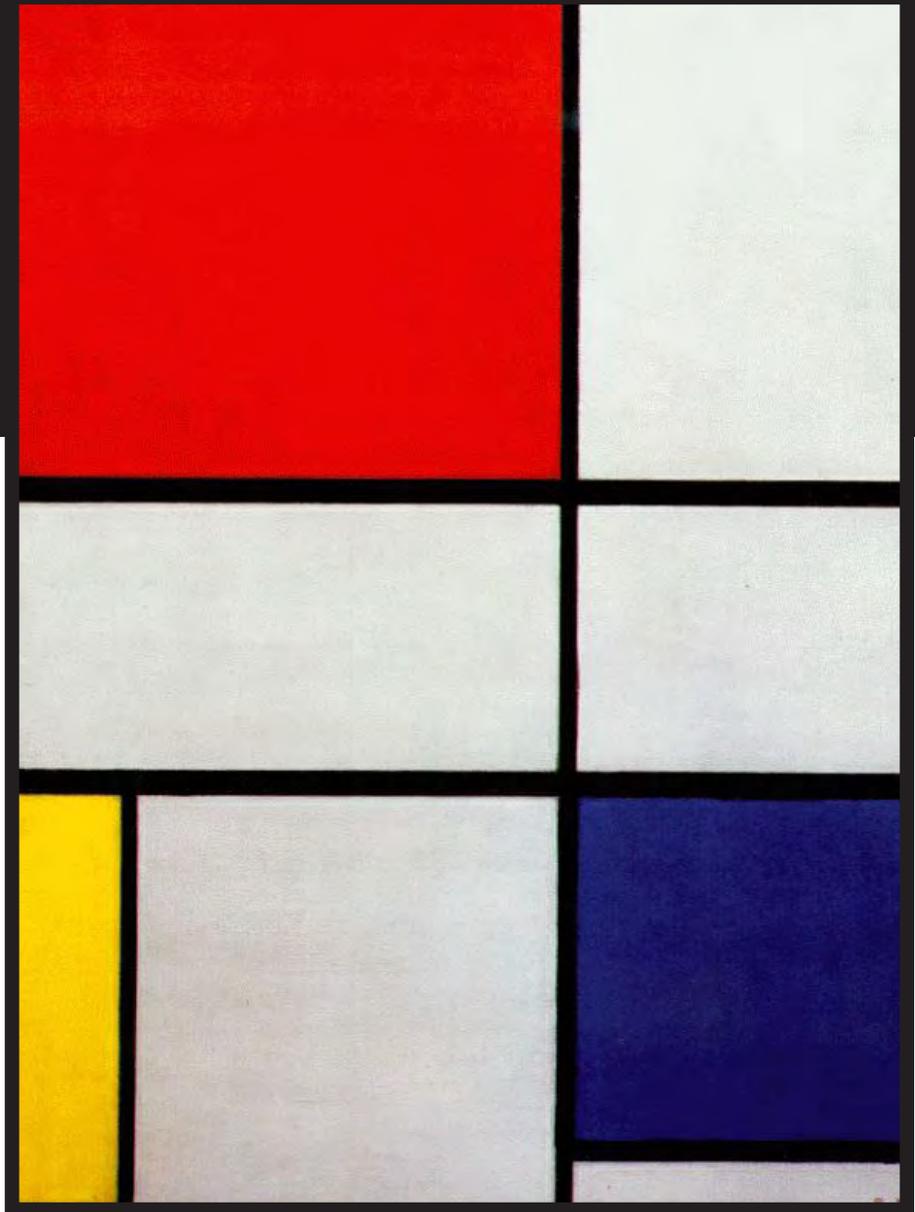
RA Royal
Academy
of Arts

**THE
MET**

THE
DRAWING
CENTER

MoMA

WHITNEY



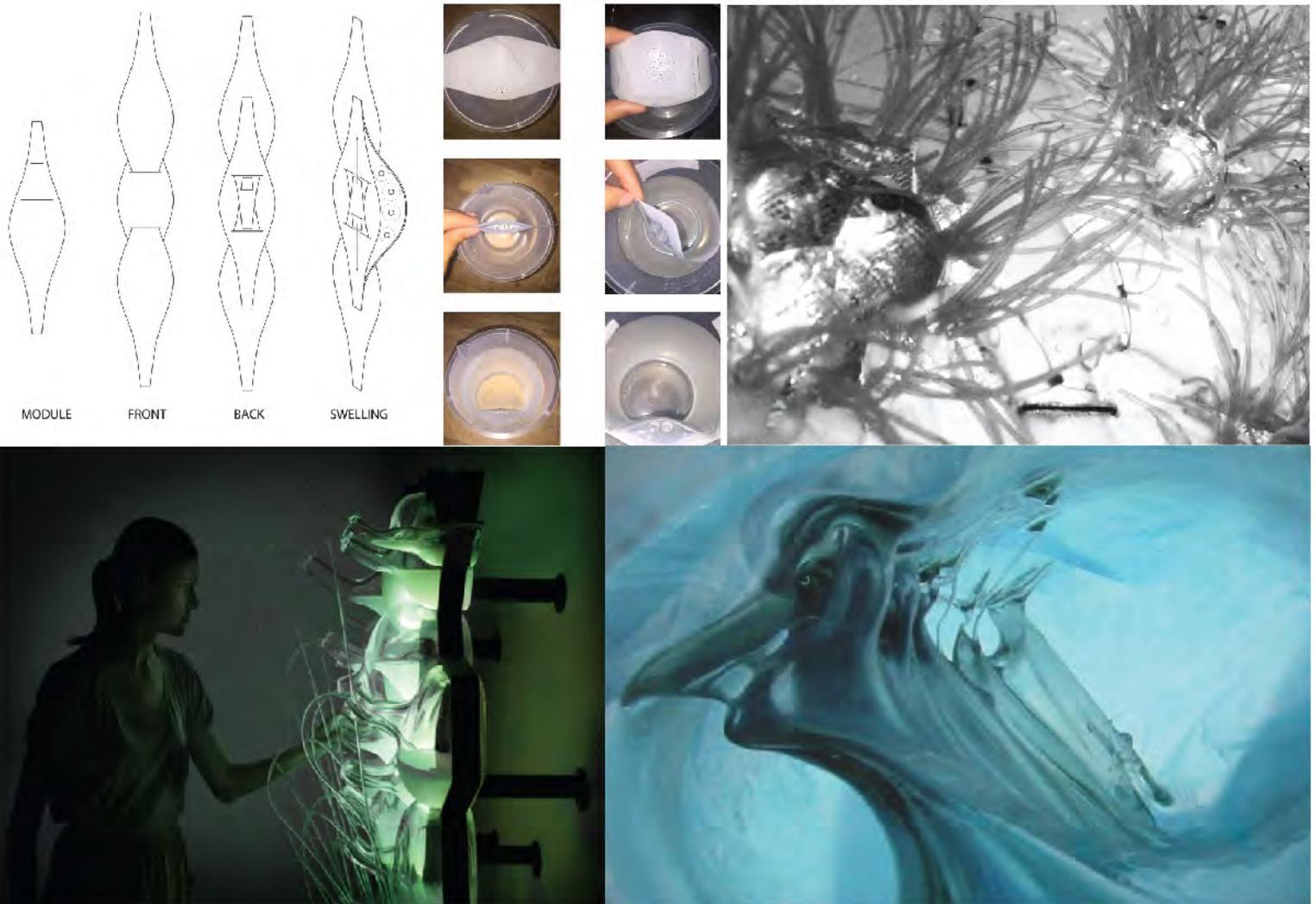
This course will examine curatorial theory and contemporary exhibitions in the Americas and Europe with the intention of sensitizing the student to the connections between art, design and architecture.

“...matter is slow space and space is fast matter...matter and spirit are the same, they follow the same direction...Could spirit be such infinitely fast matter that to our eyes it disappears as matter?”
Eduardo Chillida

”No - no glue. Only logic.”
Gregory Bateson

Course Overview:

The course will engage with a deep scientific and artistic study of materials that metabolize energy in new ways through climate resource harness, transformation, storage, and distribution in buildings. Physical (mechanical, optical, acoustical, thermal, etc.) and sensorial-perceptive (kinesthetic, visual, auditory, haptic, etc.) properties will be the criteria for experiments that elucidate theoretical and practical applications of materials aimed at developing an inventive model of design practice with the capacity for new aesthetic and performative qualities responsive to emergent human needs and environmental ethics.



material futures for micro-clouds

self-sustaining micro-cloud community datacenters
energy . water . light . air . sound . food

ARC 461i | 561i Materials: Properties + Tests

Fall 2020: fridays 9:00am - 11:30am, Arch Rm.204c + Material Labs + online

Associate Professor Aletheia Ida, Ph.D.

IMAGES: Hydrogel process studies by Nikki Hernandez (top left), Hydrogel membrane physical model by Aletheia Ida (top right), Dynamic membrane digital Processing animation stills by Aletheia Ida (bottom).

UA/CAPLA: FALL SEMESTER 2020 ELECTIVE SEMINAR

ARID REGION URBANISM - ARIZONA/SONORA

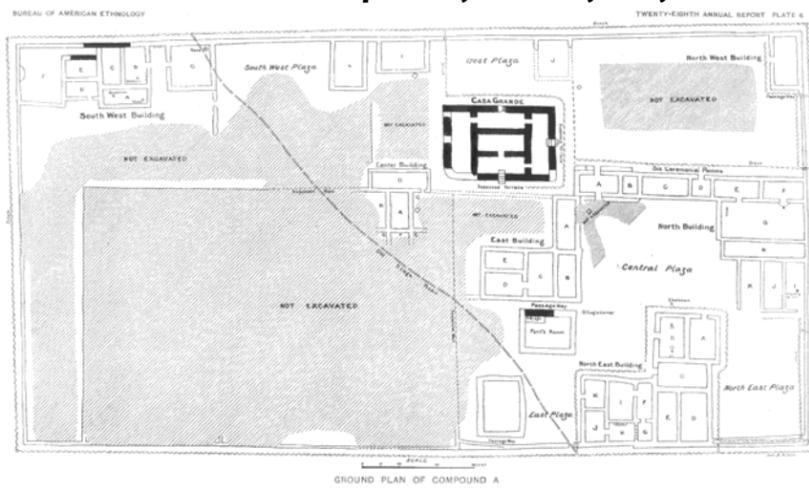
COURSE DESCRIPTION: LECTURE/DISCUSSION FORMAT WITH FIELD TRIPS

Course # & Title:	ARC 471n / 571n – Arid Region Urbanism – Arizona/Sonora
Time/Location:	Tuesdays, 5:00 – 7:30 pm, Room 204c
Year:	Open to undergraduate & graduate students of Architecture (B.Arch, M.Arch, M.S.Arch) Planning, Landscape Architecture, Sustainable Built Environments & Geography
Track:	History/Theory
Credit Hours:	3
Semester(s):	Fall, 2020
Instructor:	Robert Vint, Architect – Assistant Professor of Practice, UA/CAPLA

Fully one-third of the earth's land surface is desert. Billions of people live in these places, and face increasing challenges of desertification and climate change, as well as energy and water shortages. Hot-arid regions of the planet include large parts of the United States, Latin America, Africa, the Middle East, Asia & Australia.

This course examines past, present and future models of urban development in arid regions, with a total of 5 field trips over the course of the semester (**participation in 4 of 5 Saturday field trips is required ~ passports required for field trip to Sonora, México**). We will use our setting in the Sonoran Desert and proximity to Mexico for research and study. Topics include the historical and cultural origins of regional urbanism, as well as the environmental and technical aspects of city-building. We will analyze pre-historic Native American examples; towns founded by the Spanish following the “Laws of the Indies;” post WW2 Anglo-American suburbanization; and possible sustainable urban futures. In a seminar and discussion setting, students will explore topics such as density vs. sprawl, preservation vs. redevelopment, and the design of affordable high density/low-rise courtyard and roof-terrace housing for hot-arid environments.

The creation of humane and sustainable urban environments is essential to a peaceful and just future.



Casa Grande

Bisbee



Taliesin West

Cosanti Foundation

Sustainable Infill development, Tucson



Magdalena de Kino, Sonora



Internship

UA Student Internships are based on the recognition that experiences beyond the classroom enrich professional and personal growth. Students work, for prevailing wages, in a professional office while completing on-line course assignments. The assignments are designed to aid students in initiating their NCARB and AXP records, document work hours appropriately, and reflect upon professional learning experiences.

Training and practice in actual service in an architectural, construction, or design-related firm.

EARN ACADEMIC CREDIT WHILE YOU WORK!

If you have a job in a professional office lined up for this fall, consider doubling down and earning credit for a Practice Elective while you log your AXP hours. You earn one credit unit for every 45 hours worked in a firm - up to 3 credit units. Assignments are set up in D2L to document your office experience and require no additional work. *By instructor's permission.*

OFFICE HOURS BY APPOINTMENT
MARY HARDIN
mchardin@arizona.edu

DAYLIGHTING, BEHAVIOR, & HEALTH





COLLEGE OF ARCHITECTURE, PLANNING
& LANDSCAPE ARCHITECTURE

School of Landscape Architecture & Planning

School of Landscape Architecture and Planning Electives - Fall 2020

Undergraduate - General Education

LAR 150B1	American Design on the Land (Gen Ed Tier I Individuals and Societies) (3) Fully Online, Lee This course is broad exploration of individuals from diverse backgrounds who have helped shape the American landscape. Examination of original writings, and built environments including cities, parks, gardens, vernacular expressions, and preserves of wild, scenic, and cultural landscapes will provide the framework for discussion about landscape design as a comprehensive art form and dialog between man and nature.
PLG 211	Sex in the City (Gen Ed Tier II Individuals and Societies) (3) Fully Online, Iroz-Elardo This class is designed to illuminate how gender - as an identity - and sex - as a series of public and private activities, a commodity or economic determinant, and a part of identity - shape urban communities and are themselves shaped by urban planning. This class explores the implications of what it means to plan for different people in a variety of urban contexts- e.g., transportation safety, homeless women shelters, perceived fear of public space, design of public parks, accessibility of groceries- while addressing the overarching questions: . Who plans for cities? And whom are cities planned for? . How are communities shaped by urban planning and policy? . Why should we think about the different ways people experience, use, and are shaped by cities? And, . Why does it matter to think about gender in the context of urban planning?
PLG 256	Sustainable Cities and Societies (Gen Ed Tier II Individuals and Societies) (3) TuTh 3:30pm - 4:45pm Live Online, Stoker Urbanization and cities within the sustainability framework. Global urbanization, social justice, environmental equity, growth management, "the new urbanism." International cases. Web based projects.
LAR 350	Parks and Urban Public Spaces (Gen Ed Tier II Individuals and Societies) (3) Fully Online, Chorover This course exams the history, function, politics and design of parks, gardens and other urban public spaces in American cities. A typology of public space will be presented and used to examine public life today and how design and public involvement influence the nature of public space. The course will examine contemporary issues in parks and public space such as place-making, environmental integrity and sustainability, diversity and accessibility issues, children and nature, and the privatization of public space.

School of Landscape Architecture and Planning Electives - Fall 2020

Undergrad and Graduate

SBE 201	Sustainable Design and Planning (3) Fully Online, Iuliano The focus of this course is on sustainable design and planning and is a framework for how we plan, build, and live in our built environments in a way that better balances environmental, social, and economic demands.
SBE 221	History of the Built Environment I (3) Fully Online, Zuniga Teran The study of the history of the built environment provides a general understanding on how human societies have adapted the form of the built environment to their unique cultural, political, economic, climatic, and environmental challenges across time.
SBE 301	Introduction to Design Thinking (4) Fully Online, Cederberg This course introduces students to the essential methods of visual communication and ordering systems through a series of interrelated exercises. Techniques such as investigative sketching, freehand drawing, and digital design communication are considered in relation to their potential to reveal the world around us with a heightened sense of awareness. Issues such as place, material, structure and enclosure will be explored empirically and conceptually at a variety of scales and applications. Importantly, this is an interdisciplinary based studio - students enrolled in this course will have the ability to engage in a variety of different design strategies.
PLG 401A/501A	Planning Theory and Practice (3) Tu 4pm - 6:30pm Live Online & Architecture, Rm 200, Adkins This course is designed for advanced undergraduate students seeking careers in urban/regional planning, architecture, real estate development, and related fields.
RED 401/501	Intro to Real Estate Finance (3) W 9am-11:30am Live Online & Architecture, Rm 304Y, Marian The focus of this course is the analysis of capital formation in commercial real estate and examination of the tools real estate investors use to make investment decisions. The course includes sections on capital sources, investor concerns and hurdles, data sources, investment fundamentals and tools, discounted cash flow modeling, and pre-tax equity distributions for a range of partnerships.
PLG/RED 409/509	Due Diligence and Entitlements (3) M 5:30pm-8pm Live Online, Kafka This course provides students a review of the legal principles that inform and regulate the due diligence and entitlement process that is the basis of every successful real estate transaction.
PLG/RED 407/507	Survey of Responsible Real Estate Development (3) Fully Online - 7W1, Bidolli There is an interest in assuring that real estate development of the future is more socially, environmentally, and economically responsible than in the past. Emerging research shows that responsible real estate development can produce competitive short-term and superior long-term financial returns. This introductory course will review sweeping changes occurring in real estate development.
RED 415/515	Construction and Project Management (3) Fully Online - 7W1, Currans The objective of the course is to introduce real estate development students, and those from other majors and programs, to construction management as a component of the real estate development process. The course will introduce students to the fundamentals of building construction, project budget estimation, project management, scheduling, and project leadership. The course will focus both case analyses and discussions of best practices. Industry experts will provide insight and help guide the course substantively. The course will ask students to analyze decisions made by real estate developers about construction management and communicate clearly about construction management and its role in mitigating risk and enhancing project returns.

School of Landscape Architecture and Planning Electives - Fall 2020

LAR 420/520	<p>Plant Materials (4) TuTh 9:30am - 11:50am Live Online, Livingston Laboratories focus on identification and description of native and select exotic landscape plants frequently used in landscape design and revegetation in the Southwest. Lectures emphasize terminology, plant care and maintenance, and influence of site conditions and requirements on plant selection.</p>
LAR 440/540	<p>Contemporary Landscape Architecture (3) F 10am - 12pm Live Online, Macmillan Johnson This course examines 20th and 21st century prominent design figures that have shaped the profession of landscape architecture. Through case reviews of built works including significant gardens, urban designs, recreational areas, corporate landscapes, restored natural sites, heritage sites, waterfront projects, resorts, etc., we will explore the evolution of design ideology and theory in applied landscape architectural practice.</p>
LAR 448/548	<p>Conservation Planning & Wildland Recreation (3) Fully Online, Gimblett This course will introduce the concepts and techniques used in the growing field of human use management in outdoor recreation settings. The focus is on the sociological dimensions of the recreation experience and an understanding of the principles, practices, and dilemmas of outdoor recreation management in natural areas.</p>
<p>LAR 450/550 PLG 450/550 SBE 450/550</p>	<p>Green Infrastructure (Engagement: Discovery / Sustainability) (3) TuTh 5:30pm - 7pm Live Online & Haury Anthro Bldg, Rm 219, McCormick The goal of this course is the advancement of students' knowledge and capabilities regarding Green Infrastructure concepts and the issues and techniques involved in implementation of Green Infrastructure. The course provides an overview as well as more in-depth coverage of the science, practical context, and creation of Green Infrastructure.</p>
PLG 468/568	<p>Urban Transportation Planning (3) W 5pm - 7:30pm Live Online & Music Rm 146, Adkins Transportation planning in relation to urban development; techniques and procedures for developing long-range regional plans.</p>
LAR 470	<p>Introduction to GIS for Planning and Landscape Architecture (4) M 8am - 9:45am Th 10am - 11:45am Architecture, Rm 205 & Fully Online, Li</p>
LAR 570	<p>Introduction to GIS for Planning and Landscape Architecture (4) M 8am - 9:45am Th 10am - 11:45am Live Online, Stoker</p> <p>The two emphases of this course are on 1) landscape planning theory and 2) the use of computer-aided spatial analysis techniques within a GIS to solve landscape resource-based problems and develop alternative planning and design solutions. Students will learn techniques in planning and regional landscape resources: visual simulation, computer map overlay, resource modeling, application of research into automated decision-support systems, solving problems through the use of automated spatial modeling and analysis.</p>
ARC/LAR 471F/571F	<p>Introduction to Heritage Conservation (Engagement: Professional Development / Interdisciplinarity) (3) Fully Online, Daughtrey An overview of the interdisciplinary paradigms, principles, programs, and players in the field of heritage conservation ranging from local to international contexts.</p>
SBE 480/580	<p>Research Methods (3) Tu 9am - 12pm Live Online, Stoker / Fully Online, Li This course is all about answering questions and solving problems in urban environments. Students will get to choose what content to study during the course, i.e. transportation, the environment, social equity, etc. For undergraduate students, their topic can inform the development of a senior capstone in subsequent semesters. Graduate students can use the work from this class to advance their thesis or professional project work.</p>

School of Landscape Architecture and Planning Electives - Fall 2020

PLG 497Q/597Q **Public Participation and Dispute Resolution (3) Th 2pm - 4:30pm Live Online, Keith**
Public participation is both ethically and legally a fundamental component of planning decision making processes. This course explores a wide variety of public participation methods and tools, what to expect from working with the public, and how to handle disputes that arise. Students will be given a variety of public participation tools and then utilize them as a team in a real life public participation project over the semester. This course is designed for undergraduate and graduate students with no prior background or experience in the fields of public participation, negotiation, or dispute resolution.

PLG 497S/597S **Sustainable Urban Development and Design (3) M 10:30am - 1pm Live Online, Zuniga Teran**
Examines contemporary competition between environment, resources (water, energy), social equity, and economic viability in the community development and revitalization arena. Public policy, planning initiatives, design strategies and technical solutions that bridge the conflicting agendas are analyzed. Field investigation of contemporary cases. Appropriate for students specializing in planning, architecture and landscape architecture.

Graduate

PLG 514 **Analytical Methods Planning & Strategic Management (4) TuTh 1pm-2:45pm Live Online, Currans**
Methods and models for program planning and policy analysis; forecasting, service demand, facility location in capital investment programming, task sequencing, program analysis and evaluation.

PLG/RED 625 **Market Analysis for Responsible Real Estate Development (3) Fully Online - 7W2, Bidolli**
This course serves as a primer for the analysis techniques and data sources used to segment real estate markets, quantify demand, and evaluate competing supply. This course considers the balance of demand and supply as a key component to responsible real estate development.

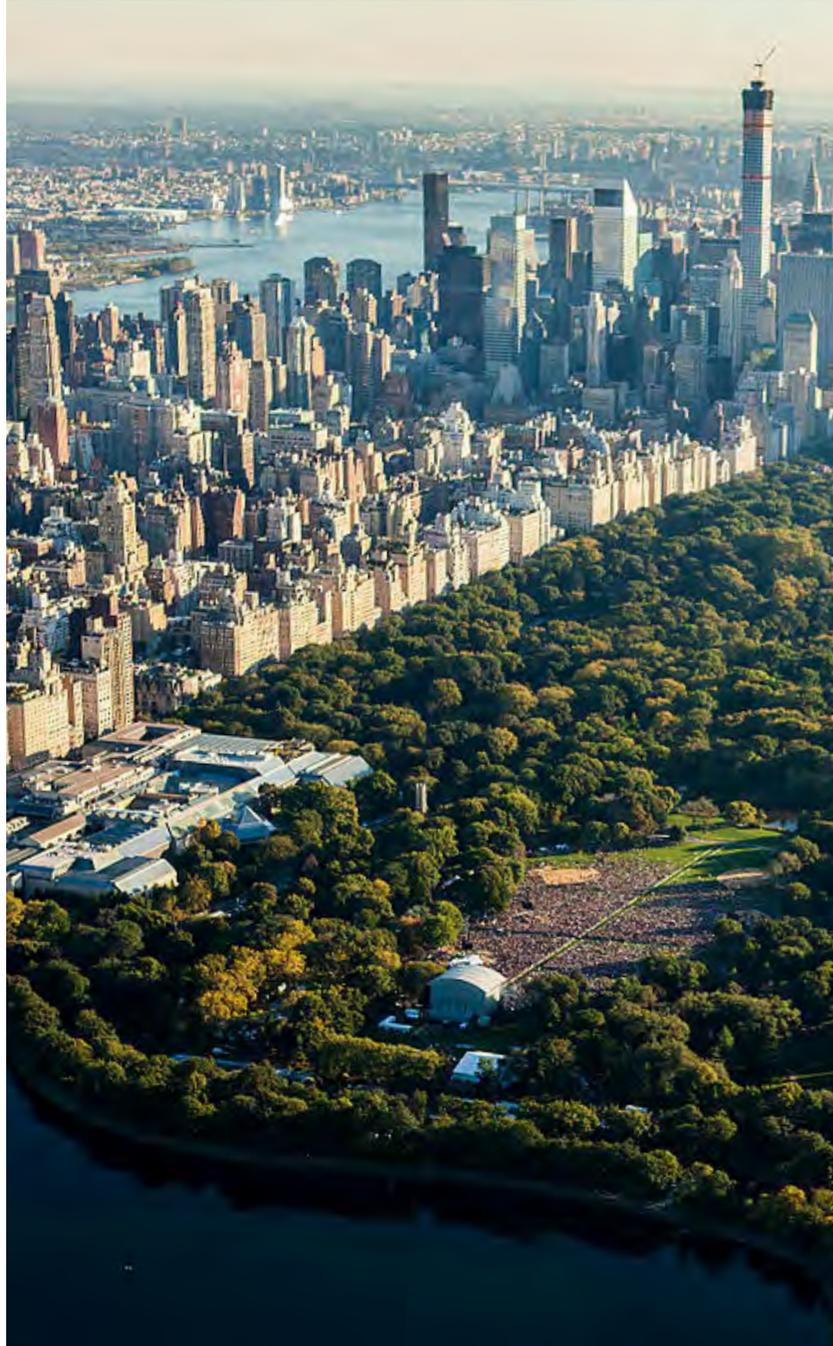


LAR 150B1 American Design on the Land

GEN ED TIER I INDIVIDUALS & SOCIETIES

This course is a broad exploration of the natural and built American landscape and how the unique character of American culture continues to shape this place. With readings, discussions, and videos, students will examine dynamic dialogue between humans and nature to understand the creation of the American landscape. Students will understand that both the built environments, such as cities, parks, gardens, and preserves of wild, scenic, and cultural landscapes can be interpreted as physical manifestations of different American ideologies.

Students will learn about the lives of everyday Americans as well as the contributions of great individuals from various cultural backgrounds and periods in time. These will include Native Americans, artists, architects, landscape architects, planners, natural and social scientists, political figures, businessmen and women and writers.



CONTACT INFORMATION

Matt Lee, Lecturer
mjlee@arizona.edu

Curious to know all about those plants around you?
Plant Materials, **LAR 420/520**, is open to non-majors
and will be Live Online* this fall!



You will learn over 175 native and non-native plant species used in built and natural environments.

No required pre-requisites.

Become an official plant nerd!

*Discussions will be recorded, if designated class time is a conflict for you.



PLG 202 Cities of the World

GEN ED TIER II
INDIVIDUALS & SOCIETIES

This course surveys international cities to help students understand the world's urban systems, global variations in urban environments, and the diversity in organization and functioning of cities.

The class examines the interplay between human activities and land, water, transportation, and energy policies that shape the use of urban resources to produce the built environment.

Learn about the ways in which cities are becoming more vibrant, equitable, greener and more sustainable.

Course Objectives

After completing the course requirements, students should be able to:

- Understand the history of the development of cities and how cultural, political, environmental, physical, and economic factors have impacted their development.
- Recognize the impact of practitioners in planning and associated fields of civil engineering, landscape architecture, environmental design, cultural geography and architecture have on the form and function of cities.
- Identify key components that help create a great city while also explaining the complexities involved in how cities operate.
- Discuss the future of city design and how cities can be better designed for social justice, economic equality and environmental sustainability.

CONTACT INFORMATION

Gina Chorover, Lecturer
gchorove@arizona.edu



**URBAN
PLANNING
INFORMED
BY GENDERED
USE OF
SPACE,
INTERSECTIONAL
EXPERIENCES,
& CRITICAL
THEORIES**

**PLG 211
SEX
& THE
CITY**

Online

Fall 2020 & Spring 2021

**READ ACADEMIC & POPULAR
MEDIA EXAMPLES EACH
WEEK**

**— RESPOND IN VIDEO DISCUSSIONS
OR SHORT WRITING PROMPTS**

**— WRITE & DESIGN A MAGAZINE
ARTICLE FOR FINAL PROJECT**

— LEARN TO USE ADOBE INDESIGN





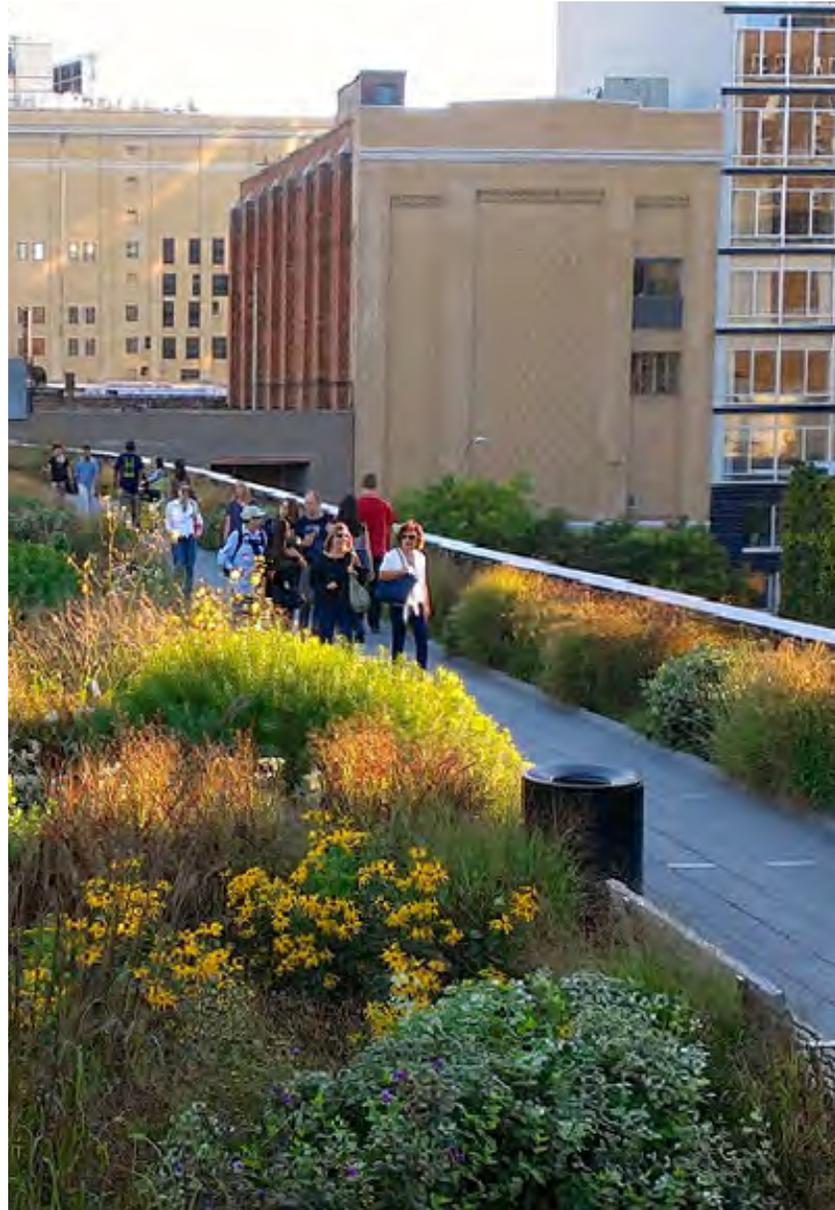
PLG 350 Parks and Urban Public Spaces

GEN ED TIER II
INDIVIDUALS & SOCIETIES

Honors Contract Course

This course exams the history, function, politics and design of parks, gardens and other urban public spaces in American cities. A typology of public space will be presented and used to examine public life today and how design and public involvement influence the nature of public space. The course will examine contemporary issues in parks and public space such as place-making, environmental integrity and sustainability, diversity and accessibility issues, children and nature, and the privatization of public space.

Students will be exposed to issues and concepts related to parks, gardens and urban public spaces and their relationship to city life and culture. Weekly topics will create structure for lectures, group discussions, and group and individual projects. Through this exploration, students will learn about the importance of public gathering places and access to nature in urban settings and will critically examine the factors that create a vibrant public space. Students will also examine recent trends in public space including sustainability, privatization, urban agriculture, diversity and accessibility issues.



CONTACT INFORMATION
Gina Chorover, Lecturer
gchorove@arizona.edu

PLG 401a/501a

Urban Planning Theory & Practice

What is urban planning?
Theories of cities and development
Cities and urban systems
Advocacy planning
Social justice and gentrification
Healthy cities
Climate mitigation & adaptation
Growth management
Urban design and form

Fall 2020

Associate Professor Arlie Adkins

Tuesdays, 4 to 6:30 PM



Urban Transportation Planning

PLG/CE 468/568

Bicycle and Pedestrian Planning and Design • Complete Streets
Safety Analysis • Urban Design and Streetscapes • Social Equity/Title VI
Community Impacts • New Technologies • Public Health • Healthy Cities
Demand Management • Sustainable Transportation • Climate Mitigation

No pre-requisites
In-demand skills
Interdisciplinary
Hands-on

Fall 2020
Associate Professor Arlie Adkins
Wednesdays, 5 to 7:30 PM



PLG 497s/597s – Sustainable Urban Development and Design

Fall 2020

Instructor: Adriana Zuniga

Online



Course Description

This course provides the theoretical and historic background in which the concept of sustainable development emerged, focusing on issues related to urban environments. We review urban design theory of healthy, livable, and inclusive cities and ways in which the built environment can be planned and designed to achieve these objectives. The course is divided into three modules that help students transition from theory into practice:

1. **Theory of sustainable urban development** – understanding healthy, livable, and inclusive cities. During this module, the students will learn about the issues that drove the need for new urban design principles for sustainable urban development.
2. **From theory to practice** – During this module, students will translate theory into practice by examining case studies and the Leadership in Energy and Environmental Design for Neighborhood Development (LEED-ND).
3. **Designing a sustainable neighborhood** – a mini urban design studio. During this last module, the students will design a sustainable neighborhood using the LEED-ND scorecard as an assessment for sustainable urban development.



FALL 2020 | WEDNESDAYS 4:00 - 6:30 | 3 UNITS

RED 301 Intro to Real Estate



NEW COURSE

Are you interested in learning more about real estate, the single largest component of wealth in society? In this introductory course, students will learn real estate vocabulary; how to purchase, sell; and improve real estate (from a home to commercial investment properties); and legal, financing and tax considerations.

Guest speakers, with over 100 years combined experience, include residential and commercial real estate brokers, title executives, real estate attorneys and local executives involved in development and commercial real estate investment. You will also learn about career opportunities in all these fields—some of which have unlimited income possibilities.

This course will be a required course for the forthcoming University of Arizona Minor in Real Estate (approval pending).

OUR IN-PERSON CLASS IS LIMITED TO 20 STUDENTS, SO ENROLL EARLY.

CONTACT INFORMATION

James B. Marian MRE CCIM, Lecturer

jbmarian@arizona.edu



College of Architecture, Planning
& Landscape Architecture

Fall 2020

SBE 201 - Sustainable Design and Planning

Instructor: Joey Iulinao

Fully Online

Sustainable design and planning is a framework for how we plan, build, and live in our built environments in a way that better balances environmental, social, and economic demands.

The focus of this course is on developing an understanding of the complex issues associated with sustainability in the built environment and exploring how sustainable principles and practical tools can be applied to address these issues.

The course will explore the economic, social, and environmental challenges and potential solutions in a variety of topic areas. Students will be encouraged to consider the economic viability, public policy implications, and social costs and inequities of possible solutions.

Course Objectives

After completing the course requirements, students should be able to:

1. Demonstrate an understanding of the environmental, social, and economic complexities of sustainability in built environments.
2. Critically analyze the benefits and challenges of incorporating sustainability into design and planning from a variety of perspectives and disciplines.
3. Apply the communication skills needed to integrate sustainable practices into policy and design, including expressing concepts learned through writing and discussions.

For questions about enrolling in this course, contact Student Academic Success Specialist Sean Kramer-Lazar at sikrame@email.arizona.edu or at 520-621-0334.

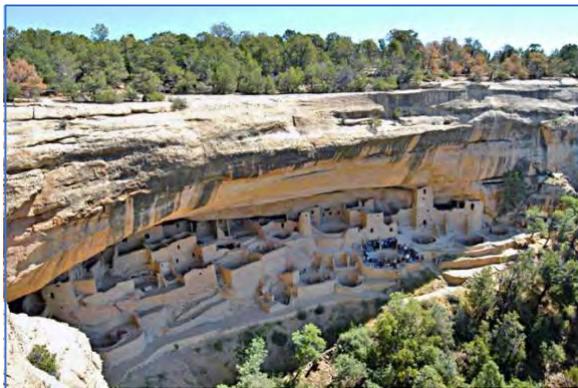
Fall and Spring Courses: SBE 221 & SBE 222

History of the Built Environment Part I & II

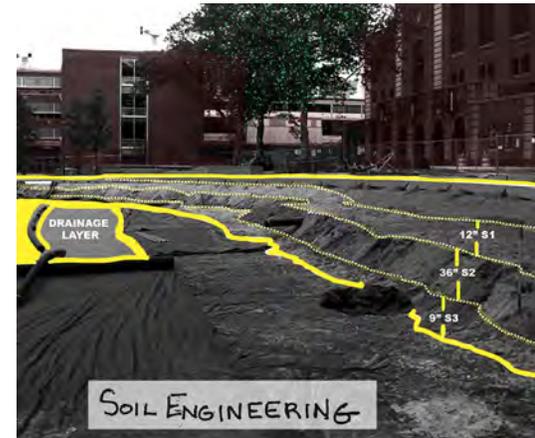
The study of the history of the built environment provides a general understanding on how human societies have adapted their settlements to their unique cultural, political, economic, climatic, and environmental challenges. These two courses examine the built environment through the lens of the six global climatic zones, providing an opportunity to compare and contrast solutions across the world and throughout various cultures in different historic times; at the city, building, and landscape scales.

The first course covers hot and arid climates, hot and humid climates, and cold and arid climates. Students will learn examples from the past to help inform sustainable solutions to the multiple and complex challenges that our cities face today and in the future.

The second course is taught in the spring semester and covers the following climatic zones: cold and humid, temperate and hot, and temperate and humid. Together, these two courses take students on an intellectual journey across the five inhabited continents and throughout different points in history.



These are **ONLINE COURSES** taught by Dr. Adriana Zuniga-Teran, Assistant Research Scientist at the School of Landscape Architecture and Planning, and the Udall Center for Studies in Public Policy. For questions, please email Dr. Zuniga at aazuniga@email.arizona.edu



SBE 301 Intro to Design Thinking

This course introduces students to the essential methods of visual communication and oral presentation related to design through a series of interrelated exercises that use digital design software. Techniques such as investigative sketching, freehand drawing, and digital design communication are combined with personal communication, interviews and research related to the built environment. Students enrolled in this course will have the ability to see varied approaches and engage in a variety of different design strategies.

Course Objectives

After completing the course requirements, students should be able to:

- Apply design thinking processes to real world problems:
 - Describe the role of empathy in design thinking and use observation and interviewing in their process
 - Define and frame problems as a base for further problem solving
 - Generate a variety of unique ideas and critically refine them
 - Use sketching and prototyping techniques in order to conduct experiments
 - Gain experience and practice in design and improvements through iterations
- Learn and apply oral communication/presentation skills.
- Practice giving and receiving critical feedback
- Learn and apply basic visual communications skills and graphic design fundamentals to communicate design ideas.
- Recognize the importance of collaboration and teamwork in problem-solving

Header images: SBE 301 student work

CONTACT INFORMATION
Kelly Cederberg, Lecturer
kellyv@arizona.edu