

School of Architecture | University of Miami
ARC 476-676 Spring 2025 (3 Credits)

Nineteenth and Twentieth Century Architecture

T/TH 11 am – 12.15 pm, Rinker
Dr. Victor Deupi



Joseph Paxton, *Crystal Palace*, London (1851)

This course examines the history of architecture and human settlements during the 19th and 20th centuries in Europe and America, as well as the cultural, technological, and theoretical developments of the modern world. The class will be a mixture of seminars and workshops, with lectures to provide historical background. Seminars will allow students to look in depth at a topic and will include case studies presented by students. Workshops will provide creative, collaborative opportunities to hone analytical, writing, public speaking, research skills, and look at how architects and engineers work together through studying projects and drawings.



ARC 539/639: Adaptation to Climate Change



Professor Elizabeth Plater-Zyberk
Spring 2024

This upper and graduate level elective seminar introduces students to the topic of climate change with a focus on adaptive response. The course reviews current scientific evidence, the contradictions that stymie effective mitigation, and the adaptations of the built environment required by accelerating change.

This course provides students with a foundation of basic knowledge as a framework for personal and professional response to the evolving conditions that threaten quality of life and, in certain cases, the ultimate viability of human habitation.

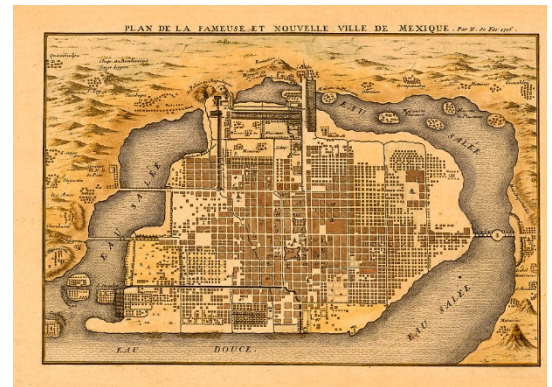
The course format will include guest speakers, a visit to a local site of recent adaptation, readings, and student presentations that include creative proposals for adaptation to climate change impacts.

School of Architecture | University of Miami
ARC 574/674 Spring 2025 (3 CREDITS)
RENAISSANCE ARCHITECTURE

T/Th 9:30-10:45 am, Rinker
Dr. Victor Deupi



As we consider the shape of cities and the role of monuments within them in the twenty first century, it is worthwhile examining how architects and patrons of the past dealt with similar issues when they first set about articulating a modern (humane) world view. The Renaissance period counts among the most fruitful eras of experimentation in architecture and urban design, and it continues to exert a strong influence on the world today, especially in the west. This course surveys the theory and practice of architecture from fifteenth through seventeenth-century Europe and America, focusing primarily on Italy. Topics of study include the Renaissance revival of classical antiquity, the changing nature of architectural practice, the role of religious orders like the Jesuits in the dissemination of architectural style and taste, and the importance of illustrated books in advancing theoretical and practical notions about architecture and the city.



NB This course will be taught in a “Flipped Learning” modality.

The course also contributes to the Classical Certificate in Architecture



**ARC 586/686-5R THE STRUCTURE AND DECAY OF 20th CENTURY
ARCHITECTURAL MATERIALS (3 cr)
THURSDAYS, 11 AM – 1.45 PM
OLD GALLERY (48/120), INCLUDING SITE VISITS**

Rosa Lowinger, M.A. Fine Arts and Conservation, Institute of Fine Arts New York University
Fellow, American Institute for Conservation, American Academy in Rome, Association for
Preservation Technology.

Christina Varvi, M.Sc. Historic Preservation with a concentration in materials
conservation Columbia University, Graduate School of Arch., Planning & Preservation
Fellow- American Institute for Conservation, Association for Preservation Technology
Recognized Professional

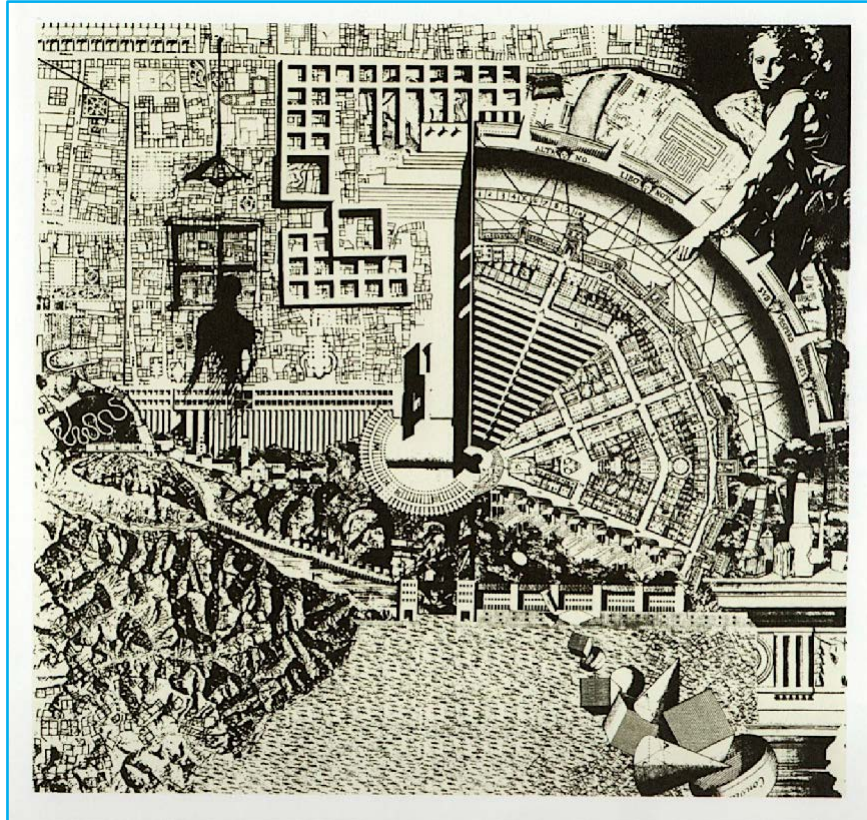
Caroline Dickensheets, M.S.H.P University of Pennsylvania, Professional Associate,
American Institute of Conservation

This course aims to address the basic principles, approaches and treatments strategies required to care for the materials of modern buildings. Twentieth Century structures often comprise a wide range of materials including concrete, mosaics, terracotta, tile architectural features, terrazzo, and all manner of metals. The course will unpack the processes by which such materials are fabricated, and how environmental factors impact their survival, especially in tropical and marine environments. Students will learn to identify the difference between patina, normal wear and actual damage, and how to work with fabricators and contractors in defining repair processes. Students will be assigned readings in historic preservation and modern materials conservation and see firsthand processes on locations in Miami and Coral Gables.

School of Architecture | University of Miami
ARC 586-622 Spring 2025 (3 Credits)

Urban Design History & Theory

Tuesdays 2:00 pm – 4.55 pm, Rinker (with a 15 min. break)
Dr. Victor Deupi

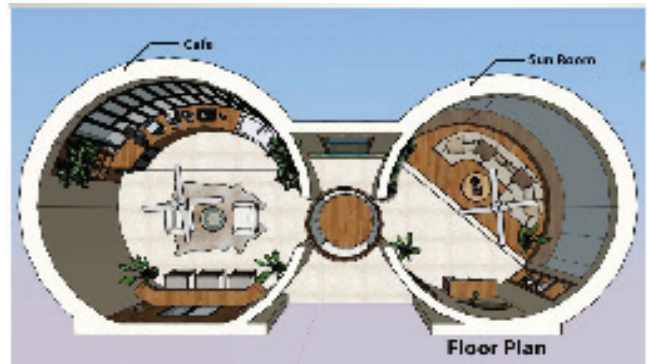


Aldo Rossi. *Città analoga*. 1976

The course is a complement to the History of the City (ARC 590-690). Lectures, films, readings, and students' presentations will focus on the theory and history of the 20th century city. Through the concentration of some of the most important capital cities like Berlin, Vienna, Barcelona, Tokyo, and Rome, the course will highlight the realities, ideologies, and utopias of the 20th century metropolis. Among the themes will be the debate between small town and metropolis, the Charter of Athens, Team X, New Towns and Neighborhood Units, Metabolism, Townscape, Aldo Rossi's concept of the Analogous City, the Reconstruction of the European City, as well as an introduction to the history of its preservation. The class will include presentation of readings and graphic analysis of specific case studies. Guest lecturers will collaborate in the presentations.



Prof. Nelson Alvarez
ARC292_ Introduction to Architectural Design
Spring 2025, from January/14 - April/24



This Introduction to Architecture course is dedicated to all NON-Architecture Major Students at the University of Miami. It introduces architectural thinking through the process of designing and allows the students to interact with the professors of Architecture and Engineering. You don't need any previous design and practice expertise. The students will learn basic drawing skills of orthographic projection, and wood or cardboard model building.

It's a very dynamic course, with full interaction between students and professor, who is more than open to new and fresh ideas.

The Architecture Portfolio

Juan M. Yactayo / jxy346@miami.edu / ARC 566_666 / Spring 2025 / 1 Credit (January 17th - February 14th)

Architecture, as a visual discipline, relies on graphics to convey ideas and design solutions. The ability to choreograph visual narratives that express compelling arguments and evoke emotions is essential in portfolio making.

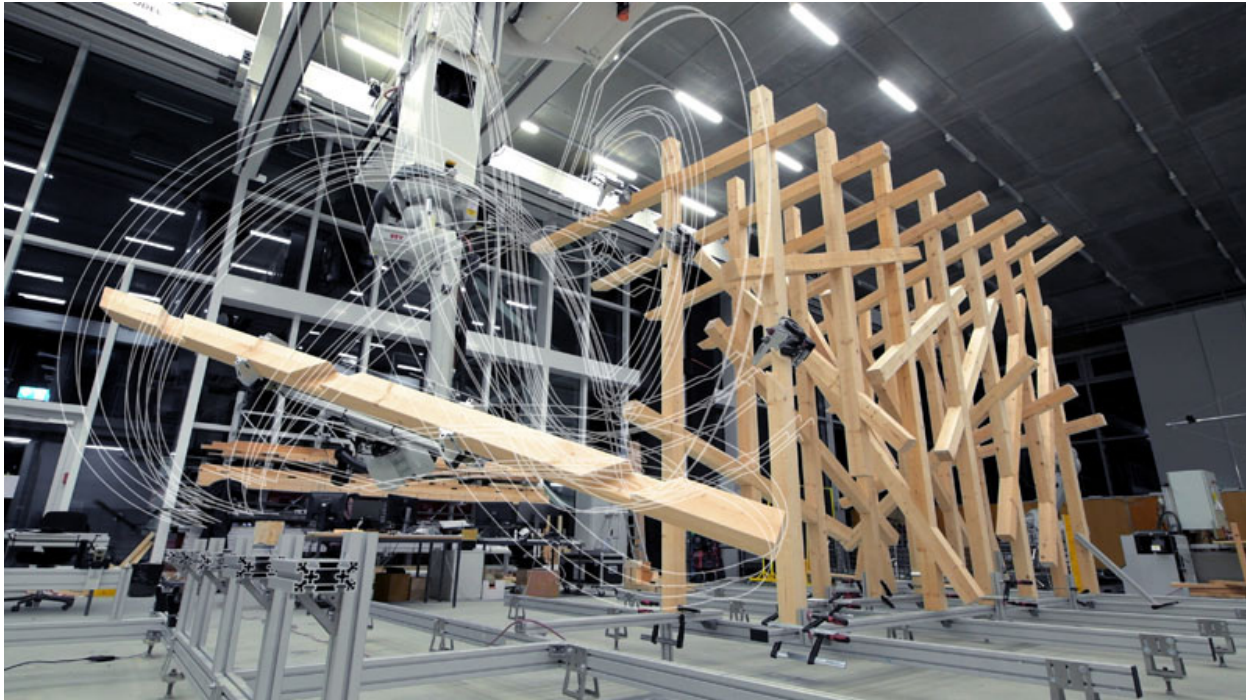
This course introduces the fundamentals of portfolio design with emphasis on visual storytelling. While the course will help students demonstrate design aptitude and the wide range of skills relevant to an architectural practice, it will equally emphasize “thought process” – the ability to think critically and creatively towards a design outcome. It is through this that a portfolio becomes original and reflects the unique individual.

The course format includes lectures and exercises that provide a combination of technical skills and theoretical lessons centered on portfolio making. Other topics include website making, branding, and job interviews.



School of Architecture | University of Miami
Spring 2025

ARC 584 684: EMERGENT METHODS
Juan Yactayo



Timber Assembly with Distributed Architectural Robotics, Gramazio Kohler Research , 2022

This upper level undergraduate (4th+5th year) and graduate-level elective focuses on exposing students emerging methodologies for design and fabrication. The course takes a variety of medium for construction such as 3d printing, robotics, as well as computational tools such as generative design and artificial intelligence. The course aims to prepare students on how these technologies will continue to develop and what the role of the architect will be in understanding and applying them within our profession.

Students will gain hands on experience and theoretical knowledge to harness these innovative technologies through a series of short two-week exercises throughout the first half of the semester. The goal for the workshops are to give a high level overview of these emerging tools and processes.

The second half of the semester will be an in depth research project by the individual students focusing on one of the specific technologies covered in the class. The goal for this project is for the students to gain a more comprehensive understanding of one of the technologies or processes that interests them the most. At the end of the semester students will present their research projects to each other so that all of the students in the class will have an understanding of where these technologies are currently at within the profession.



Contemporary Latin American Architecture

Spring 2025 3 credits ARC 584-660 T TH 5:05-6:10 Prof. Jose A. Gelabert-Navia

An examination of Contemporary Latin American Architecture and Urbanism from the turn of the 20th Century to the present day. The work of some of the great figures on Latin American Modernism such as *Niemeyer* and *Barragan*, to contemporary figures such as *Paulo Mendes da Rocha* and *Isay Weinfeld* will be discussed. The influence of the Modern Movement in Europe and *Le Corbusier* will be reviewed. Large scale City Plans such as *Lucio Costa's Plan for Brasilia* and *Roberto Burle-Marx's designs for Flamengo Park and Copacabana* in Rio de Janeiro will be analyzed.

The course meets twice a week for a lecture/seminar. There will be assigned readings to complement the lectures. Attendance and a Semester Project Analysis of a single family house that was significant to the Contemporary Architecture in Latin America.

DISNEYPSCAPES

583-683

Fri 11:15am-2pm

Prof. Vyta Pivo

vpivo@miami.edu

a seminar about
theming in architecture,
as well as magic, dreams, secrets,
Banksy, pop culture, social class, race,
gender, suburbs, planning, real estate, debt,
cultural landscapes, corporate power, politics,
Mickey ears, movies, trains, castles, shopping,
and Florida.



INTERIOR ARCHITECTURE AND DESIGN

School of Architecture | University of Miami

Spring 2025

3 credits ARC 585/685-7D Fridays 11:15am – 2:00pm

Prof. Isa Velez



This course will focus on the impact and significance interior spaces have on daily life. The student will learn using architectural detailing through traditional hand drawings and computer based design software in the development and planning of interior spaces. The student will be guided in selecting which materials and design elements would best enhance the interior space and how those selections and designs will affect the end user. The student will obtain beneficial skills in various design related industries including commercial interior design, residential interior design, furniture layout, and lighting design. The student's final design will show how functionality and aesthetics are critical to a project.

Student must have knowledge of AutoCAD, 3D rendering and a layout program.

Spring 2025 – INTERVENTIONS IN ARCHITECTURE (3 cr)

ARC 586/686-1K, Mondays, 6.35 pm – 9.20 pm, Rinker

Professor Aaron Young



This unique course will investigate the armature of the idea. Focusing on the creator's intentions. The following attributes will serve as building blocks for discussion and critique.

site/environment
culture/ritual
community/history
material use
form/function
pace/timing
engagement
sound and performance

We will explore through artist talks, video and image documentation how artists have used site specific objects, installations and architecture to inform and elevate their ideas.

Students will be asked to create, in the medium of their choosing, an intervention in physical space or digital space.

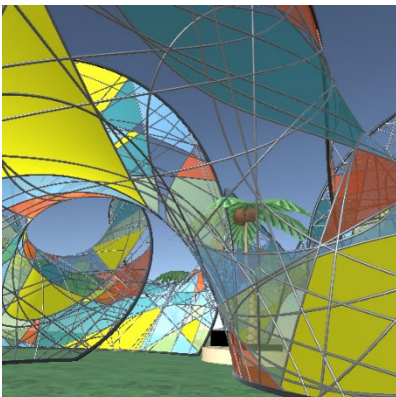


Religion and Sacred Space in an Era of Virtual Reality and Artificial Intelligence

Thurs 5:05-7:50 PM Online: ARC 586/686-5T, REL406-5T, JUS401-5T, CIM489/689-5T
D. Hector, Architecture; W. Green, Religious Studies; & K. Grinfeder, Communications

Throughout history, religion and sacred space have been significant to human communities and the communication of prosocial values and practices. Digital culture has created new communication technologies with all-encompassing haptic effect that impacts how religion works and affects society. This course examines the impacts of Virtual Reality and Artificial Intelligence on how we encounter religion's structure and practices today and into the future.

The course is made up of students and faculty from Architecture, Religious Studies and Interactive Media. Team projects employ AI to develop a spiritual belief systems and rituals then design VR environments for their performance. **R&SS in VR&AI is a trans-disciplinary seminar that meets online in the Metaverse using Virtual Reality headsets.**



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FRAGMENTS

Contemporary Architectural Conditions



Luigi Ghirri, Ravenna, 1986

In a time of anything goes that shows no uniform theoretical agenda but rather a series of very personal explorations into the possibilities of space-making, this seminar seeks to explore six different notions—*Presence, Surrealism, Decay, Freedom, Archaism, and Clarity*—of how to frame the contemporary architectural condition possibly. It is no secret that from an operative standpoint, the internet has proven its worth: as a tool that enables the easy transfer of data and communication, it has revolutionized architectural working procedures and allowed numerous offices to build globally on a hitherto unknown, at least quantitative, scale. Besides, several blog-based architectural sites have arisen in recent years, which, with their additive structures, have demonstrated perfect ease in tracking down the ever-new. Both in terms of their pace of collecting information and their array of outlooks, they make the classical project-oriented and printed periodical look outdated. Gathering dozens of yet unheard-of voices, these sites allow, for the first time in history, architects from all parts of the world to be present in the architectural discourse, herewith shifting the focus from a former elite and American-European dominated debate towards new centers of activity. At the same time, however, also the culture of criticism and theoretical production has changed: while the architect increasingly seems to ‘just’ build but very rarely writes—in basic terms, he or she follows the project-oriented online demand—it is often hired historians that try à posteriori to analyze and situate their work. Counteracting that trend, this seminar will look precisely at the little written by primarily young, internationally working architects and position it in the broader conceptual framework of the six notions mentioned above. The course intends to sharpen students’ critical sense and work with their memories and personal interests. It also expands their general architectural awareness of today’s critical issues. In its format, it is highly interactive and discussion-based. Presentations on selected texts and offices are to be made throughout the semester, while a short manifesto has to be handed in at the end.

University of Miami
School of Architecture

Florian Sauter
Elective Course, Spring 2025

ARC 585 / 685 Section T1
Tuesday 5:05-7:50 pm
Building 48 / 330



Egyptian Hieroglyphic for City

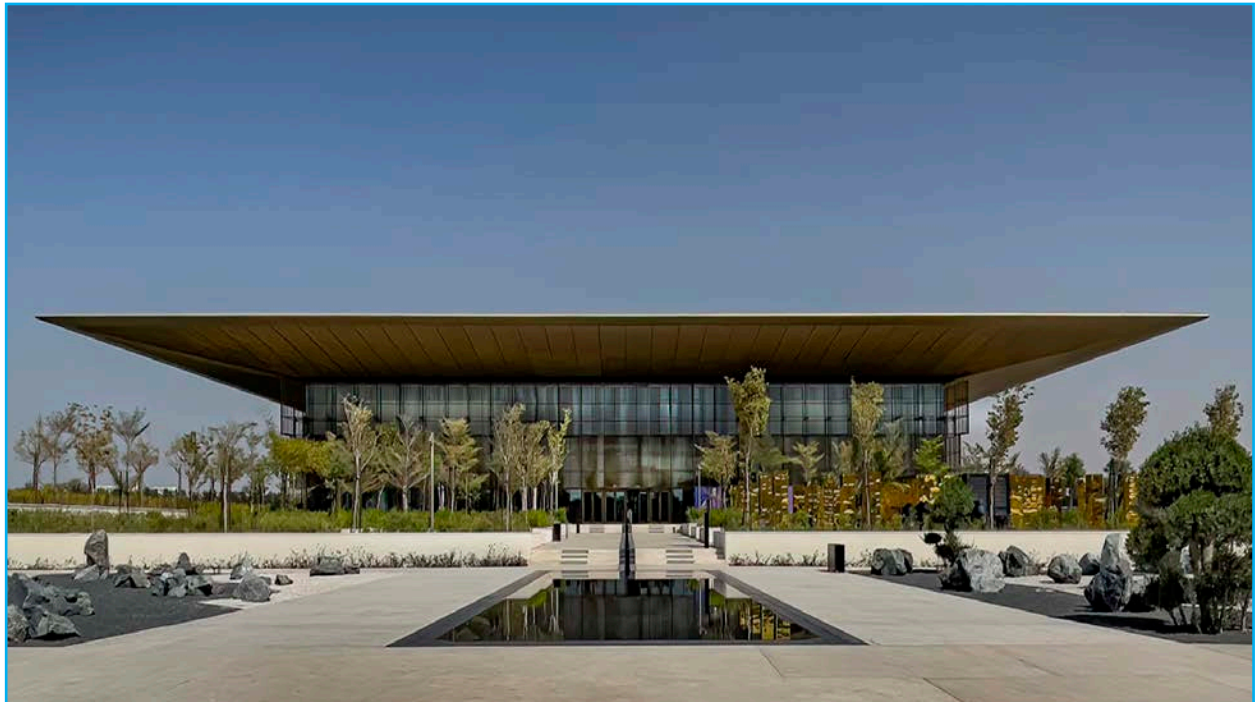
ON CITIES

Cities are amongst the greatest of human endeavors. They are the backdrop for our lives and the legacy that we leave for future generations to inhabit. I have come to understand that the quality of our daily lives (our health, the health of our planet, our sense of connection, and even our happiness) is directly influenced by the design of our built environment and yet we seldom discuss what makes great cities and how we can work together to design a better world. This course will interface with the international radio program | podcast, entitled ON CITIES. Weekly interviews with leading experts from a variety of fields tackle some of the leading challenges facing cities today including climate change, affordable housing, embedded technologies, infrastructure, the arts, urban policy, transportation, social mobility and much, much more. The course will participate in the live interviews, followed by in-class discussions that are meant to provide more informal discussions between guests, faculty and students. If interested, please connect to previous episodes through the Voice America network <https://www.voiceamerica.com/show/4119/on-cities> or your favorite podcast platform to learn more about previous guests and themes. If you would have any questions regarding the structure of the class, please feel free to contact me at cpenabad@miami.edu.

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School of Architecture | University of Miami
Spring 2025
ARC 527 and ARC 627 (graduate students)
Architectural Photography and Composition

Steven Brooke



HOUSE OF WISDOM, Sharjah, UAE
Norman Foster, Architect

This unique course develops the basic compositional and technical skills necessary to photograph architecture, landscape, and interiors. The emphasis is on composition and the taking of photographs in the field. Classes meet once a week for three hours. The course explores in depth: (1) History of the Depiction of Architecture. (2) Principles and Systems of Composition. Examples are drawn from artists such as: Caravaggio, Cezanne, Corot, de Chirico, Canaletto, de Hooch, Hopper, Piranesi, Poussin, Saenredam, Turner, Vermeer, Hugh Ferriss, and others. (3) Photographic Techniques. (4) Software Techniques. The subject matter includes: individual buildings, streetscapes, building complexes, high-rises, landscape, commercial and residential interiors, evening photography, room vignettes, still life, black-and-white photography, and architectural models. Students may use either a 35mm digital camera (preferred) or a smart phone. Steven Brooke has been photographing architecture and design for over 40 years. He is a Fellow of the American Academy in Rome and winner of the National AIA Institute Honor Award for Photography. He has photographed over 40 books on architecture and design, ten of which he has also authored. His work may be seen at www.stevenbrooke.com. Questions may be addressed to steven@stevenbrooke.com.

Tropicalism + Tropical Architecture



Nest House, Thuan An, Vietnam, A21studio, 2019

Across a wide swath of equatorial lands, tropical architecture has evolved in response to regional identity, culture, history, building typology and contemporary lifestyle. It has also, at times, distilled natural facts into exotic and symbolic fantasies. As a theme, tropical architecture came to particular prominence in the modern era. Tropicalist architects embraced modern architecture, even as they aspired to a spirit of authenticity that had deep roots in vernacular traditions and naturalist ideals. *Tropicalism + Tropical Architecture* surveys the facets and manifestations of tropical architecture, using locations around the tropical belt – including Brazil, Venezuela, Cuba, India, West Africa, Australia and Miami – as historic and contemporary case studies. Students will produce new research and materials to be used in future publications and exhibitions.

TEAM ASSEMBLY AND REGISTRATION BY NOVEMBER 1, 2024.
REGISTER SEPT. 1 – NOV. 20, 2024
COMPETITION JAN. 6 – 20, 2024

2025

THE ULI HINES STUDENT COMPETITION ELECTIVE IS AN INTENSIVE CHARRETTE. WORKING DAILY OVER THE COURSE OF THE TWO-WEEK COMPETITION PERIOD, STUDENTS DEVELOP AND PRODUCE A COMPREHENSIVE ULI HINES COMPETITION SUBMISSION FOR AN INTEGRATED URBAN DESIGN AND DEVELOPMENT PROPOSAL FOR A LARGE-SCALE, URBAN SITE WITH REPRESENTATION OF DESIGN, AS WELL AS MARKETING, AND FINANCIAL PROJECTIONS. THE SPECIFIC PROJECT REQUIREMENTS WILL BE RELEASED AT THE COMPETITION OPENING. THE REQUIREMENTS OF PREVIOUS YEARS HAVE BEEN: A 72" X 36" PRESENTATION BOARD OF THE DESIGN PROPOSAL; A DEVELOPMENT PRO FORMA; A 500-WORD NARRATIVE SUMMARIZING THE DESIGN AND DEVELOPMENT PLAN; AND A 500-WORD NARRATIVE DESCRIBING THE FINANCING PLAN. THE FACULTY MEMBERS STRUCTURE THE TWO-WEEK ENGAGEMENT THROUGH A SERIES OF INFORMATION SESSIONS, CRITIQUES AND REVIEWS WITH INVITED EXPERTS. THE PRIMARY GOAL IS FOR EACH STUDENT TO EMERGE WITH A SIGNIFICANT UNDERSTANDING OF THE PROCESS OF ORIGINATING A DEVELOPMENT PROPOSAL IN ITS ENTIRETY, AND REPRESENTING THE PROPOSAL AS A TRANSFORMATIVE URBAN PROJECT AND EFFECTIVE INVESTMENT OPPORTUNITY.

ULI STUDENT COMPETITION SPRING ELECTIVE

LEADING
ADVISER: DAVID ERDMAN

David Erdman is the Founding Director of Pratt Institute's [Center for Climate Adaptation \(CCA\)](#) where he is involved in the development of projects in NYC, SE Asia and South America alongside partners in each region. He has overseen [side events at the UN](#) and he serves as one of the key representatives responsible for Pratt in their ongoing role as Core Partner of the [New York Climate Exchange](#) located on Governors Island. Erdman was the Chairperson of Pratt's Graduate Architecture and Urban Design 2016-2023 where he is currently an Associate Professor and founded the [SE Asia International Program](#). Erdman has also taught at HKU and UCLA and held visiting positions at Yale, UC Berkeley and Rice University.

Erdman co-founded two practices [davidclovers](#) (now [plusClover](#)) and [servo](#) where he designed and completed over twenty built projects, had work collected in museums, had work published in leading journals in Hong Kong, China and North America and received numerous awards including the prestigious [Rome Prize](#).

He is on the editorial board of the [Routledge Ocean and Island Studies Book Series](#), is the author of [Introducing](#), and co-author of [Future Real](#). Erdman has lectured throughout Asia, North America and Europe with individual keynotes delivered in Australia, Central and South America.

ASSOCIATED ULI HINES FACULTY TEAM:
ELIZABETH PLATER-ZYBERK
JOANNA LOMBARD
VERUSKA VASCONEZ



Eligibility:
Graduate Student status and 5th-year B.Arch. students

 UNIVERSITY OF MIAMI
SCHOOL of
ARCHITECTURE

ARC 585/685/GEG 416/616

URBAN ANALYTICS & GEOVISUALIZATION

Tue/Thu

3:30 pm – 4:45 pm

Dr. Sarbeswar Praharaj

Course Outline

Cities are producing vast amounts of data due to growing digitization in society and the built environment. This course will demonstrate how diverse sources of urban data can be collected, analyzed, and communicated through computation and visualization tools. You will be exposed to a range of cutting-edge datasets typically encountered by professional analysts and gain hands-on experience in exploring complex data using GIS-based mapping, dashboard design, and story mapping techniques. We will further explore real-world applications of these tools through our guest speakers from local governments. The course will prepare you to communicate data with confidence and engage the broader public with your insights. You will not only design visualization but also learn to evaluate how users engage with visual interfaces. Overall, you will gain a critical appreciation of the potential for urban analytics to inform community solutions and policy-making.

Skills you will gain:

- Data-driven Decisionmaking in the Urban Context
- GIS-based Mapping for Exploring Urban Issues
- Data Dashboard Design
- Story Mapping
- Web-based Interactive Data Tool Development
- Data Communication
- Urban Data Governance



An Ecological Approach to Urban & Building Design in the Anthropocene Era

Offered by: Prof. Sonia Chao

Seminar; 3-credit elective

Course ID: ARC 585/685-5R Elective

Location: Old Gallery 48/120

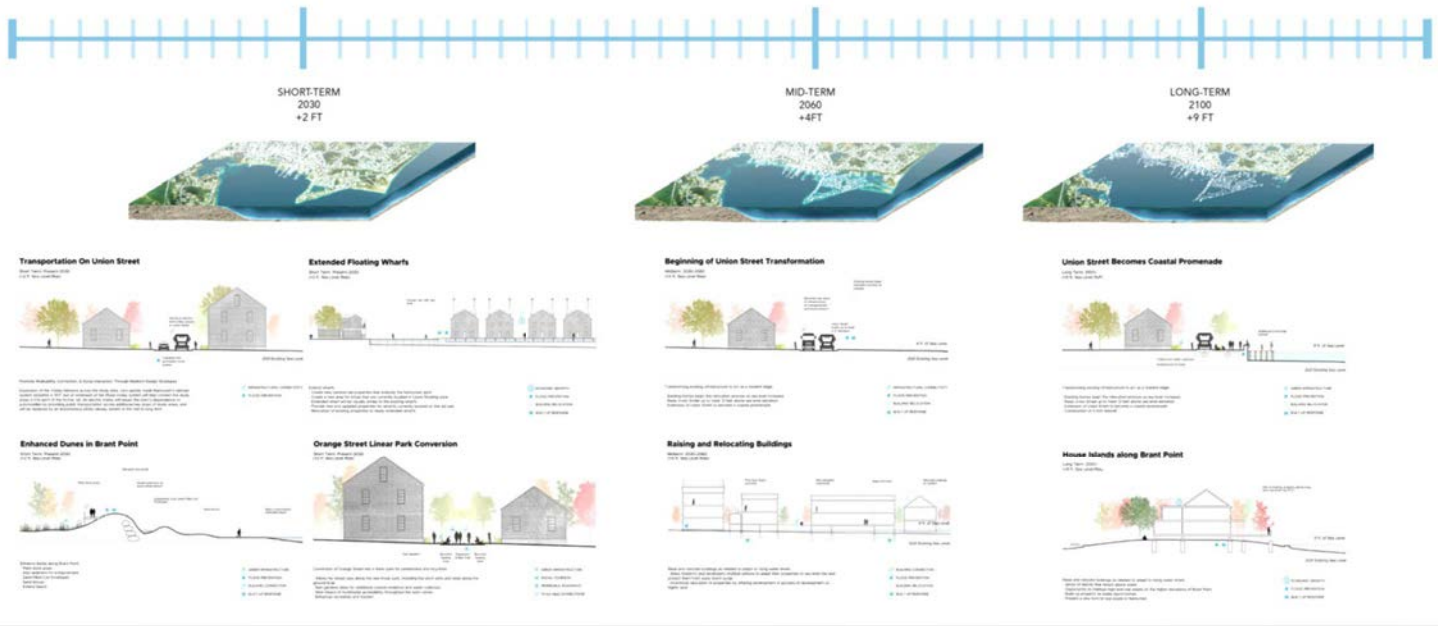
Time/Date: Thursdays (**ONLY**) 2:00 pm – 4:45 pm

Incorporating a nature-based approach into urban sustainability, resilience, and planning is essential for reimagining cities in the Anthropocene Era. This course begins by examining the unique 'sense of place' or '*genius loci*' that emerges from the place-specific interplay between urban systems, local ecosystems and terroirs, and human activities. It explores the historical ways humans have interacted with the natural environment to envision and develop their urban settlements and how this has informed their social and economic evolution, in many cases, including their current realities. The curriculum includes past lessons in appreciating, analyzing, and co-existing with nature: from proportioning systems to documenting the natural environment, as well as, contemporary urban design concepts such as resilient landscapes, urban terroir, 'sponge cities,' 'floating cities,' and 're-wilding,' which promote the integration of built and natural environments. The course explores past and present examples across the globe, including Venice, Ganvie, Miami Beach, the Wadden Sea, and beyond. By comprehending a nature-based perspective, students will be better positioned in professional practice to inform designs, policy, community engagement, and development. This interdisciplinary course explores the effects of climate change on the complex connections between the design of cities, buildings, landscapes, and their natural surroundings and the methods to improve those dialogues. The course addresses the 'nature-culture dichotomy' and will focus on exploring how to achieve symbiotic balances between natural contexts and urban and building design aspects, considering microclimates, environmental conditions and strategies, human place-making traditions, infrastructure, and biodiversity.

Students will analyze these concepts through readings, class discussions, case studies, and field trips. By the end of the course, participants will understand how to enhance urban resilience and sustainability in response to climate change through a hyper-local and place-based 'urban terroir' lens. This course is suitable for urban design, real estate, environmental studies, and architecture students aiming to reshape the future of cities.

This course is intended for graduate students. Prior approval from the course faculty is required for any enrollment of upper-level undergraduate students.

For more information, contact schao@miami.edu.



An Introduction to Resilient Building & Community Design

Seminar; 3-credit elective (Required course for MPS program) **Time/Date:** Tuesday and Thursdays, 11:00 am – 12:15 pm
Course ID: ARC 579/679 **Location:** Hybrid- Zoom and arranged field trips and half-day charrette training session (Fridays)
Offered by: Prof. Sonia Chao

This **'hybrid'** course delves into the interdisciplinary approaches for creating sustainable and adaptable built environments. Students will explore the principles of resilience in architecture, urban design, and community development, focusing on strategies to address climate change, natural disasters, and socio-economic challenges. This interdisciplinary course includes guest lectures from diverse backgrounds. It touches upon various aspects beyond design, including real estate, engineering, ecology, sociology, and public policy, to provide a comprehensive understanding of resilient design. It also emphasizes climate-responsive vernacular architecture and innovative building design strategies informed by local climate realities and emerging patterns. In addition, the course provides students with tools for leading community workshops and productively engaging with communities to envision resilient alternatives.

Through lectures, case studies, field trips, and projects, students will learn to develop innovative solutions that enable buildings, urban settings, and community members to withstand, adapt, and recover from adverse events. The curriculum underscores the importance of systems thinking, stakeholder engagement, and adaptive management in creating resilient spaces. By the end of the course, students will have gained practical skills in resilient design principles, risk assessment, and sustainable building practices, better preparing them for future careers in architecture, urban planning, and related fields. Most classes will be held remotely, except field trips and one half-day charrette planning strategies workshop- all three are planned for Fridays.

This course is intended for upper-level undergraduates and graduate students. Prior approval from the course instructor is required for any enrollment of upper-level undergraduate students. [For more information, email: schao@miami.edu.](mailto:schao@miami.edu)

GONZALO FUENMAYOR

Explorations in watercolor and mixed media for Architects

ARC 585/685-1P - Tuesdays 11am – 1.45 pm

Old Gallery



This course unfolds in two phases; first, exploring watercolor, ink and mixed media as potent forms of creative communication, and then seamlessly integrating these techniques into the architectural realm.

During the initial phase, artists such as Kandinsky, Van Gogh and Egon Schiele will prompt an exploration into the line, gesture, texture and emotions. Students will explore watercolor, ink, watercolor pencils, gouache, tempera and other wet mediums to convey their personal narratives.

Transitioning to a more practical application, in the second half of the semester, students will gain insight into elevating their own architectural perspectives, sketches, elevations and designs with water based techniques.

The course culminates in a final project where imagination and reality merge by rendering one of the cities in Italo Calvino's "Invisible Cities" Book . Whether you are a seasoned artist aiming to elevate design communication or an architect curious in expanding and transforming your work, this course will provide a playful and creative platform for exploration and growth

Concepts of Heritage: New Narratives and Case Studies in the Conservation of Modern Architecture

Project-based Seminar

Instructor: Javier Ors Ausín

Spring 2025

INTRODUCTION

The twentieth century represented a period of enormous economic, urban, and political change in the world. These global changes were reflected in the rapid urbanization and the growth of cities, which was exacerbated by the technological advancements and the emergence of new materials and construction systems that fundamentally changed the way we build architecture and the way we live and work in it. The production of new building types and structures, using experimental forms and materials were critical elements of this historical period.

In parts of the Global South, the twentieth century also represented a time when many countries gained their independence from European rule. Newly independent governments sought to express their new national identity and democratic ideals through a new architectural idiom, and Modernism played a critical role in those processes. Progressive design and engineering ideals were embraced to construct new government institutions and other public facilities, such as schools, sports complexes, government buildings, affordable housing, auditoriums, and places of worship. The diversity of Modern architectures constructed during that time also illustrates the remarkable variety of forward-looking design ideals, and experimental architectural expressions that emerged from many local architects of the Global South.

Today, as Modernist architecture ages, this heritage faces many challenges, including inappropriate management, deterioration, demolition, and lack of legal protection. In response, some professionals and organizations (DoCoMoMo, UNESCO, World Monuments Fund, ICOMOS, etc.) are working to conserve this architecture and raise awareness of the twentieth century's enormous contribution to our global cultural heritage. In this mission, the conservation field seeks to engage in inclusive processes that incorporate pluralistic voices and narratives historically relegated to the margins of global heritage preservation. To a certain degree, that relegation has been the case with heritage from our recent past, due to its relative newness and a lack of appreciation.

COURSE DESCRIPTION

This project-based seminar will focus on a series of Modernist architecture sites that are, or have been, under threat in the Global South, unpacking contemporary social, economic, environmental, and design challenges to preserve Modernist architecture. The course will explore a wide range of critical conservation initiatives to raise awareness about the importance of Modernist architecture and a series of projects to preserve it.

The course will be organized into two modules: (1) First, a series of lectures will introduce students to concepts of heritage through historic theories and approaches to historic preservation and contemporary critical conservation theories and experiences. (2) Secondly, this will be further expanded by a series of international case studies to explore the intersection between architecture

and contemporary practice in the field. Readings will be assigned weekly and serve as the basis for student-led discussion.

The case studies will be presented by the instructor and a wide range of guest speakers. The project-based seminar will require a final assignment. For this, students will be asked to work in pairs and use the semester-long experience to speculate and develop critical conservation strategies for a site they select and to use creative storytelling to raise awareness and disseminate knowledge about places and the social narratives that their selected site embodies. Students will be asked to present their strategies using a community-centered approach that encapsulates their research and methods in a compelling way. Students will be asked to present bi-weekly during this second half of the semester and in a final review at the end of the semester.

COURSE OBJECTIVES

The course will seek the following objectives:

1. Introduce students to the context and discourses that gave rise to Modern architecture in the Global South;
2. expand understanding of heritage conservation beyond the physical fabric to include social, economic, cultural, and environmental values;
3. build up advanced skills in modern heritage awareness and heritage management;
4. develop methodologies for conducting thorough foundational research and documentation prior to a conservation project;
5. understand and include underrepresented narratives in heritage conservation practices.



The Hall of Nations in Delhi, India (photo credit: Flickr CC user Panoramas licensed under CC BY-ND 2.0)

CONSTRUCTION MANAGEMENT



LAND



MULTI-FAMILY



OFFICE



INDUSTRIAL



RETAIL

ARC 549 / ARC 649

3 CREDITS

SPRING 2025

TUESDAY EVENINGS 6:35 - 9:20

INSTRUCTOR: VICTOR SANTANA RA, LEED AP

Real estate development is a collaborative, multi-disciplinary effort in which a group of professionals contribute their expertise to a project in a time-sensitive environment. Focusing on the five major development types: Land, Multi-Family, Office, Industrial and Retail; students will be introduced to the stages of development and the life cycle of a project.



INTERDISCIPLINARY COURSE:
MSC372 | ARC481 | ECS372 | COM406 | GEG390 | BPH499

CLIMATE RESILIENCE

A MULTI-FACETED APPROACH

SPRING 2025 - 3 CREDITS



FRIDAY 11:15AM - 2:00PM



COURSE LEADER:
MICHAEL BERKOWITZ
EXECUTIVE DIRECTOR, CLIMATE RESILIENCE INSTITUTE
TAUGHT BY 12 FACULTY EXPERTS

- UNDERGRADUATES IN ALL YEARS CAN ENROLL**
NEW MODULES EACH WEEK
- CLIMATE CHANGE
 - RESILIENT STRUCTURES
 - CLIMATE GENTRIFICATION
 - EXTREME WEATHER EVENTS
 - CLIMATE & HEALTH
 - NEGOTIATING WITH RESILIENCE
 - COASTAL PROTECTION
 - CLIMATE JUSTICE

PROBLEM-DRIVEN, MULTIMEDIA COURSE TAUGHT IN AN INNOVATIVE FLIPPED FORMAT TO ENCOURAGE ENGAGEMENT AND DISCUSSION-BASED LEARNING



CONTEMPORARY ARCHITECTURE & URBAN IDENTITY

The publication of *The Architecture of the City* by Aldo Rossi in 1966, *Learning from Las Vegas* by Robert Venturi, Denise Scott-Brown and Steven Izenour and *Delirious New York* in 1978 by Rem Koolhaas marks the beginning of the rediscovery of the interrelationship between architecture and the city.

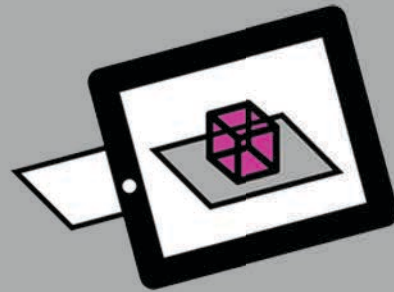
This course introduces the student to relevant projects of twenty century and contemporary architecture building urban identity. Through in-depth case study presentations, projects and architects are related to specific cultures, times and places.

The course travels the XX century and capitals such as Stockholm, New York City, Moscow, Milano, Washington DC, Sao Paulo, Paris, Venice and Tokyo. Architects to be presented include, Ragnar Ostberg, Raymond Hood, Ivan Leonidov, Ernesto Rogers, Gio Ponti, Lina Bo Bardi, Venturi-Scott-Brown, Aldo Rossi, Rem Koolhaas, Sanna and others.

The class format includes lectures by faculty, attendance to the Contemporary Architecture SOA Fall lecture series and in class presentations and discussion by students of significant architecture events and projects of the XX & XXI century.



This class introduces concepts of Virtual, Augmented and Mixed Reality in Architecture, while investigating the histories of visual media, immersive visualization, and the advancement of digital technology in relation to architectural representation.



Introduction to Mixed Reality in Architecture

The class will test several XR hardware and software as experimental means to generate spatial documentation, and creatively explore architectural time, space & movement.

ARC 583-1P/ARC 683-1P

Tuesday 11:00 - 1:45pm

3 credits

Instructor: Ruth Ron

rron@miami.edu

Prior knowledge of Photoshop and basic 3D modeling is advised

