ARC 407-609 DESIGN STUDIO, FALL 2022

The integration of Architecture and Urban Design as is the integration of Theory and Practice shall be a primary goal of the studio. The faculty, a unique team of professionals and academics, will give emphasis to: Research, Applied Learning, Drawing & Making and the Teaching of Practice.

The architectural projects focus intends to address the timeless needs of the present while framing Architecture and the design of the city as a singular investigation. Inquiry, History and Invention shall be interwoven in the commitment and pursuit of Excellence for the Built Environment.

The subject of the design will be Visioning, New Buildings and Place Making for multiple urban dwellings located to the south of the historic Paramount Theatre in Palm Beach, Florida. This project will provide an opportunity to work directly with clients. The studio includes an initial site visit and walking tour of Palm Beach and field trip/session in New York from Friday Sept. 30th to Monday Oct. 3rd at the office of Robert A.M. Stern Architects, to share and advance the project objectives, within the broader field of Practice.

(A $300 stipend will be provided for travel expenses to NY)

A workshop with the Institute of Classical Architecture & Art (ICAA) will be included as part of the studio.
This studio will explore the role that architecture plays in the interpretation and stewardship of natural and cultural resources. It focuses on whole place preservation, where the line between edifice and environment is effaced. Our site is the very shoreline of Biscayne Bay National Park, which includes the third largest coral reef on Earth. The Park’s boundary is graced with a constellation of historic sites that are either National Landmarks or listed on the National Register of Historic Places. Together, these sites define a perimeter of cultural resources that will be envisioned as entry points to the Park. These places are public and of extraordinary significance to the region: the Miami Marine Stadium, Vizcaya Museum and Gardens, the Lighthouse at Bill Baggs State Park and the Deering Estate.

The studio program will be to design a series of interpretive and educational gateways to the Park. The very architecture of these thresholds will comment on the role of the cultural-natural unity of this larger environmental heritage of South Florida. The Studio will visit all of the boundary sites and a coral reef restoration facility in the Florida Keys. Students will collectively engage in research and work in teams on one of the above-mentioned sites. At the end of the semester, all the projects will be brought together into a series of comprehensive drawings that illustrate the thesis of this studio.
IN SEARCH OF AN ICONIC SOLUTION
to the problems of infrastructure, heat island effect, and sun energy collection
FOR MIAMI

Prof. Edgar Sarli: August 22nd – October 19th, 2022
Prof. José Gelabert-Navia: October 24th – December 7th, 2022

The studio is a collaboration with the School of Architecture of the University of Navarra, with a workshop held at the SoA from September 6th to the 16th in conjunction with the students and faculty from Navarra.

The emphasis of the studio is to tackle the long existing problem in Miami of urban infrastructure understood as outside of the realm of architecture. Students will re-design the public transportation hub at the Omni Station Bus Loop, to provide the necessary amenities and comfort levels according to 21st century standards. The importance of the station, as the connector of the metro rail, via metro mover to the bus lines servicing a vast area of the city, offers an opportunity to critically assess the programmatic requirements of such an infrastructural intervention.

The site will be an empty canvas for students to elaborate the necessary programmatic, architectural, and urban design additions. The programming phase will happen at the beginning of the term and will be closely related to the research and site analysis.
In addition, the need to provide a comfortable setting for urban travelers, would require a sensitive solution to the growing problem of heat island effect. The cause is not the sun, but the vast amount of exposed asphalt and concrete. Because the sun rays will inexorably continue to illuminate our planet, they are an endless source of energy. Each project will be required to search for inventive solutions to the plausible generation of energy on site while protecting the urban realm from direct exposure to the sun.

Infrastructure, sun energy collection, and heat island effect are commonly discussed topics, and the intention is not to concentrate on finding new products, materials, or magical solutions. Contrarily, the thesis of the studio is to articulate architectural solutions using already existing technologies and products, and the well-established notion that properly designed cities contribute positively to human wellbeing. The emphasis of the studio is purely architectural. Our concern through the semester will be to give form using a clearly defined material palette to ideas generated by students as a response to the problem posed by the site.

Miami is a prominent tropical metropolis that has built its character on the exuberant natural and geographical setting, as well as imported building traditions logically compatible with existing climatic conditions. At the scale of the new metropolis, one could argue that Miami has not yet been able to articulate its distinguishing image. This public infrastructure intervention will give students an opportunity to reflect upon what that is, and to propose an iconic solution.
Luis Barragán is widely recognized as the most significant Mexican architect of the 20th century, having had profound influence upon generations of architects throughout the world. His work has been called minimalist but is nonetheless sumptuous in color and texture; it carries an air of timeless secrecy and magical enchantment. Pure planes, be they vertical walls of stucco or horizontal surfaces of water, are his main compositional elements to dissolve the limits between the built and the unbuilt, the room and the garden.

Although he was lauded with the Pritzker Prize in 1980, Mexican magnates and institutions showed no interest in maintaining his archives after his death in 1988. Thus, in 1994, New York art dealer Max Protetch sold the estate’s massive collection and copyrights to Rolf Fehlbaum, the head of Vitra, a Swiss furniture company. Consequently, Barragán’s work moved from what many believe is its rightful home in Mexico to Basel, Switzerland, making it difficult for scholars, both Mexican and international, to access the material. We will take this narrative of the ‘lost archive’ as a starting point to propose an alternative design to house the Archivo Barragán in Mexico City. Beyond using this project as an opportunity to deeply engage with Barragán’s work and more broadly Mexico’s highly sophisticated building culture, this will also be a chance to fundamentally investigate the themes of storing, documenting, and exhibiting architecture.

STUDIO SAUTER VON MOOS
Prof. Charlotte von Moos, Florian Sauter
6 credit points
Individual or teamwork
Study trip to Mexico City (non-compulsory): September 21–24 (concurrent with Mextropoli Festival); a travel stipend of $300 is offered by USoA
Urban design combines the knowledge of a variety of disciplines, including planning, architecture, landscape architecture, traffic engineering, real estate development, finance, and political science. All of these will inform the semester’s projects with site-specific concerns of environment, society, and economics, including climate and health.

The studio will introduce the principles, processes and practice of urban design through an iterative sequence of analysis and design. Guided by classic texts, including the Charter of the New Urbanism, students will learn about place-making in neighborhood design, public space that invites pedestrian use, street sections and building types, along with the transect, the regulating plan and guidelines, and character illustrations.
The Vernacularology Studio is preoccupied with the extent to which the ordinary and the colloquial resonate in architecture and the construction of the city today. Seen through the broader lens of history, the formal and the informal city have always been inextricably linked, sharing many of the salient characteristics that have defined urban patterns for millennia. The splendor of contemporary Venice began with a series of wooden shacks built upon a desolate expanse of water, reed and marsh that the first Venetians chose as their own to protect its inhabitants from the fury of Attila the Hun’s attack. New York City, the greatest American modern metropolis, was once a small commercial outpost of irregularly shaped streets facing the harbor; and London, one of the world’s most beautiful cities and leading industrial centers was once a conglomeration of primitive wood huts adjacent to the great Thames River. These cities are examples of “negotiated, ever-changing designs” richly layered and emblematic of the shared cultural values of a given people. The premise of this studio’s research will be focused on the notion that the urban composition of contemporary informal cities, reveal amongst other things the permanent characteristics that have defined cities throughout the centuries including: the neighborhood, the street, the dwelling, the block, public open space etc. Suggesting that in time, our present day, impoverished, informal cities may become the great cities of the future. If one accepts this reality, what is then the role of the architect in the building of the contemporary informal city?

This semester is part of a compendium of studios that have analyzed Latin American informal cities through empirical, on-the-ground investigations. This research has revealed that one of the most valuable contributions the architect can make in the development of contemporary informal cities is the development of public buildings and the design of the public realm. These projects are beyond the scale of an individual dwelling and the capacities of local dwellers to build incrementally. Rather, these larger projects require greater orchestration (both physically and economically) and are suited to both the expertise and training of the architect. To this end, students will be asked to design a Public Building for an informal settlement in Barranquilla, Colombia. While the building is intended to provide vital services for the community, the ultimate goal will be to provide a structure of meaning that is capable of expressing the shared values of this community.
Design for
Heroes

Fall 2022
Upper Level Studio
Instructor: Eric Firley

become the star designer in your favorite artist’s world
Innovative Design Towards Affordable Housing

Arc 407-510 Professor Trautman Fall 2022

This design studio will focus on new construction methods in order to reduce construction costs in an effort lower the deficiency in affordable housing. The studio will be conducted in collaboration with Avra Jain’s Vagabond Group, renowned developers in the South Florida market. 5 lots granted by the county will be developed by the students in the studio and since these projects may come to fruition, students would be given design credit as a part of the overall team.

If you think that architects can help to solve a real world problem then this studio is for you.

According to a new research report by Apartment List, a rental listing company, Florida leads the nation in housing unaffordability with the percentage of renters — 56.5 percent — who spend 30 percent or more of their income on housing. The high cost-burden rate is worse in the state’s major metropolitan areas. For example, 62.7 percent of renters in Miami are spending half of their income or more on housing, the highest percentage of the nation’s 100 largest metro areas, the report found.
UNIVERSITY OF MIAMI
School of Architecture

RESILIENT LANDSCAPES
adapting to climate change through sustainable landscape architecture

This is an introductory course in landscape architectural design. Its primary goal is to challenge students to learn the fundamentals of landscape architecture and to develop sensitivity for outdoor environments.

This studio course offers a unique opportunity to learn from ArquitectonicaGEO, a Miami-based award-winning design firm specializing in landscape architecture, planning, and urban design.

Attributed to the climate change/sea level rise phenomenon and to respond to the need for developments to become resilient, ArquitectonicaGEO has had the opportunity in the last decade to develop the unique expertise in the design of resilient outdoor environments for a wide range of project typologies and scales. Some of the most notable projects that have been recently completed and that students may be familiar with include: University of Miami – Lakeside Village; Perez Art Museum Miami; Canopy Park Miami Beach; Brickell City Centre; and the PortMiami Tunnel.

Join our Studio and discover ways to see projects in a more holistic way where resilient design strategies improve the built environment, enhance the human experience, and create more resilient places. Students will apply skills and knowledge acquired on a local site that is threatened by sea level rise.

FACULTY
LAURINDA SPEAR
FAIA, PLA, LEED AP, IIDA
FOUNDING PRINCIPAL
ArquitectonicaGEO

FACULTY ASSISTANTS
ArquitectonicaGEO Team

FALL22
SCHEDULE:
in-person
Mondays + Wednesdays
1:30 - 5:00 PM
How to Re signify the route from different points to the headquarters of the University of Miami, transforming it into a JOURNEY...?

What are the most relevant milestones that you will find along the way, to rest, eat, sleep, get basic services?

With whom, or who will you meet along the way?

Will we be able to make a temporary community with other travelers?

What minimum infrastructure will we need on this journey, capable of being transported by us, assembled and disarmed again, to engage with others on this journey, to momentarily transform the territory, and temporarily build a community?

We are going to recolonize our cities, repopulate public space and resume our movements, with the precaution of being “together, but not mixed up”.

A response that promotes being outside protected, together in isolation. A response to a new nomadic society that travels through its country with its own architecture in tow, to temporarily repopulate its territory while the world recovers its long-awaited normality.

We will project a virtual trip of 35 days and 35 nights (5 weeks) from a mapping of the routes traveled by each member of the WS. The origin will be our own house, destiny, University of Miami. We will have an individual experience that will try to modify the experience of collective living through known urban trajectories, which throughout the pandemic were practically unoccupied, re-meaning milestones, stops, points of interest and turning points to culminate in the construction of an archetype.
FROM VACANT LOTS TO COMMUNITY NETWORKS:

WITH ACCESSIBLE AND AFFORDABLE HOUSING THE STUDIO WILL FOCUS ON FAMILY URBANISM TO INCREASE SOCIO-NATURAL INTERACTIONS, BRING COMMUNITIES TOGETHER, AND MITIGATE ENVIRONMENTAL PROBLEMS. THIS NETWORKED DESIGN WILL CHALLENGE THE DEFINITION OF COMMUNITY AND HOUSING, OUR NOTIONS OF PRIVATE AND PUBLIC LIFE, AND THE LINKS BETWEEN STRUCTURE, CLIMATE, AND CULTURE.

ACTIONS:

1. THE FIRST WEEK:
   Group Proposal:
   1 week (2 classes)
   
   Today the urban question is also a landscape question:
   Site analysis through sections

2. NEXT WEEKS:
   Individual Proposal:
   4 week (8 classes)
   
   More than a house:
   Building networks

   Alleviate Latino/Black communities pressures of market forces
   Enhance multi-generations local culture through design
   Revitalize family urbanism between public and private life
   Reinforce high pedestrian mobility and connection to the Metro Rail
   Recover the historical farming practice in housing infrastructure
   Explore the link between house and garden in the tropics
   Mitigate heat excess and water scarcity in the neighborhood
   Link structure to climate, light and color
   Explore patterns of communal maintenance and care
   Create new collective urban visions in-situ

The City of Miami Consolidated Plan 2014-2019 designated Allapattah as one of the Neighborhood Development Zones (NDZ), which are "distressed neighborhoods that are in most need of assistance." (The Allapattah Collaborative, CDC. 2022)
Koñone

José Cubilla - PAR

SCHOOL of ARCHITECTURE

Click to see the location