

University of Miami
School of Architecture

**Spring 2020
Final Reviews**



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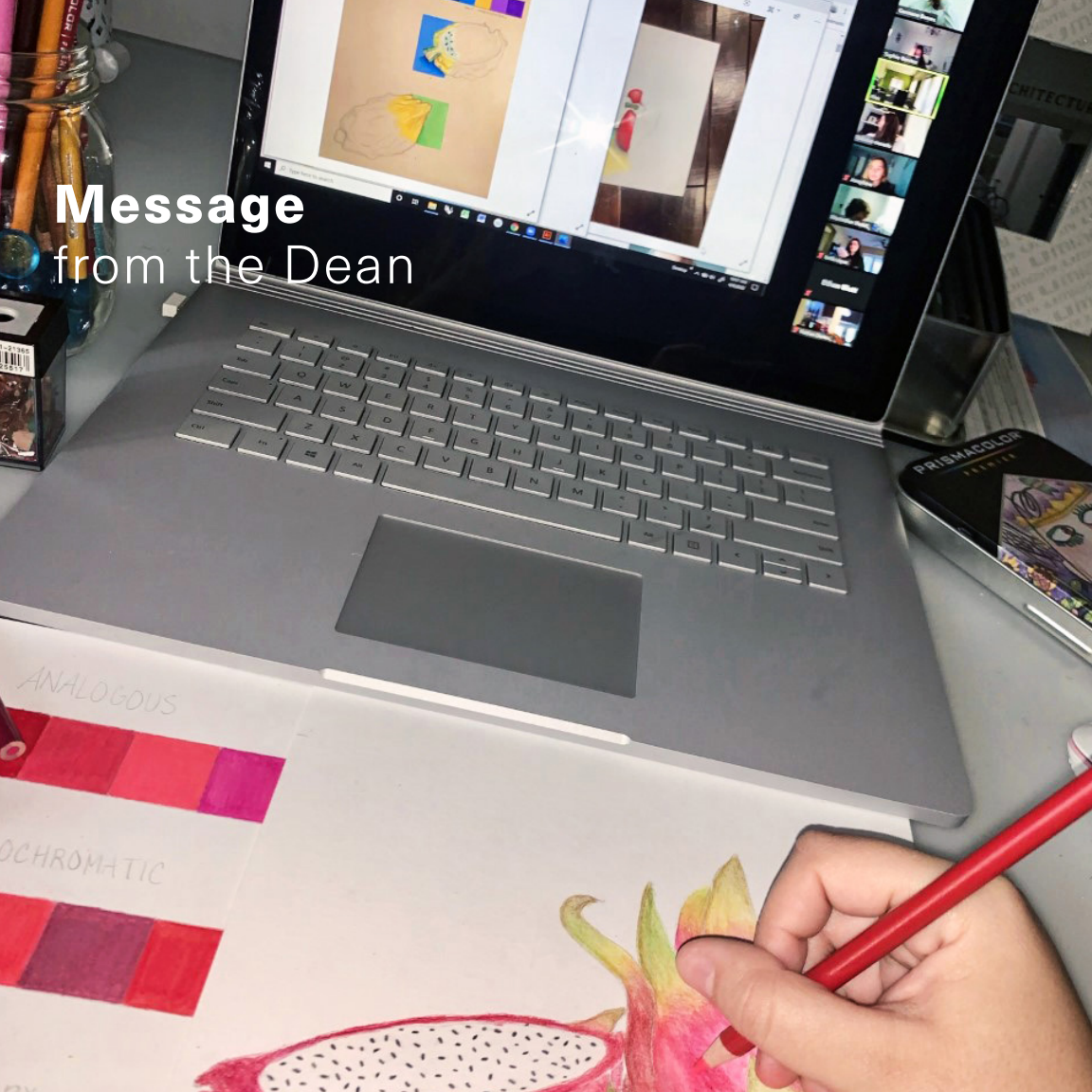
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Message from the Dean

At the end of each term, students, faculty, guest critics and members of the community participate in the U-SoA Annual Final Review, a tradition that has long defined architectural education in North America. The Annual Final Review is a key component of U-SoA's pedagogy and its emphasis on experiential learning. It offers opportunities for students to exercise their communication and presentation skills while interacting with leaders in the fields. The public setting and engagement with the community also tests the relevance of the issues we tackle with our students and showcases the diverse ways in which we engage them.

We customarily hold the reviews at the School or off-campus, at a prominent venue in the city that is accessible to the public, so as to engage the larger community in this annual ritual. Given the extraordinary circumstances of the global COVID-19 pandemic this year, the reviews are held online, in virtual jury rooms that are accessible to our community and viewers around the world through a dedicated website: arc.miami.edu/final-reviews2020.

We will surely miss seeing the student work literally filling the room and some of the excitement of being present with jury members, students, and faculty for their thrilling and

insightful exchanges. We will however gain from the virtual platform in potentially reaching a larger community and in compelling students to explore and learn more from ever expanding digital environments and resources. We look forward to future Annual Final Reviews as live and present events in UM's and Miami's cherished venues. But the precious lessons learned and new media adopted from this Spring 2020 editions will no doubt stay with us to transform, enhance, and amplify the juried review format as we know it.

We owe much respect and gratitude to faculty, staff, and students who transitioned swiftly and seamlessly to digital platforms to enable remote learning without comprising quality. The fact that we can hold the event virtually to recognize this body of student work and assess its contribution to the field is entirely due to their dedication, resourcefulness and ingenuity.

A stylized, handwritten signature in black ink.

Rodolphe el-Khoury, Dean
School of Architecture, University of Miami

Schedule

5.01.2020/ Real Estate Development + Urbanism, Law

9:00am - 12:30pm

RED 660/RPD 965.....pg. 32

MRED+U: Charles Bohl, Stephen Nostrand and
Tim Hernandez, Developer-in-Residence / Law: Jack Winston

5.04.2020/ Urban Design, Undergraduate + Graduate Architecture Design

1:30pm - 6pm

ARC 602/ *in collaboration with* RED 660/RPD 965.....pg. 34

ARC: Victor Dover, Joanna Lombard and Veruska Vasconez
Collaborating MRED+U Faculty: Charles Bohl, Stephen Nostrand
and Tim Hernandez, Developer-in-Residence / Law: Jack Winston

5.06.2020/ Undergraduate Architecture Design II

9:00am - 12:00pm

ARC 102.....pg. 36

Jaime Correa (Coordinator)
Giorgio Antoniazzi
Juan Calvo
Cristina Canton
Alice Cimring
Elizabeth Cronin
Adib Cure
Steven Fett
Oscar Machado

5.06.2020/ Undergraduate + Graduate Architecture Design VI

10:00am - 7:00pm

ARC 306, 608.....pg. 14

Edgar Sarli (Coordinator)
Juan Alayo
Jacob Brillhart
Jose Gelabert-Navia
Christopher Meyer
Shawna Meyer
David Trautman

5.06.2020/ Graduate Architecture Design and Theory II

1:00pm - 6:00pm

ARC 605.....pg. 38

Rocco Ceo

5.07.2020/ Undergraduate + Graduate Upper Level Architecture Design

9:00am - 12:00pm

ARC 407-510, 608-609.....pg. 18

Terence Riley and Manuel Clavel

ARC 407-510, 608-609.....pg. 22

Teofilo Victoria and Ricardo Lopez

Schedule (cont.)

5.07.2020/ Undergraduate Architecture Design IV

9:00am - 2:00pm,
6:00pm - 10:00pm

ARC 204.....pg. x26

Eric Firley (Coordinator)
Cynthia Gunadi
Elizabeth Plater-Zyberk
Patrick Reuter
Florian Sauter

5.07.2020/ Undergrad + Grad Architecture Design, Real Estate Dev. + Urbanism, Law

1:00pm - 6:00pm

ARC 407-510, 608-609/ in collaboration with RED 650-660/RPD 965.....pg. 48

ARC: Allan Shulman
Collaborating MRED+U Faculty: Charles Bohl and Mark Troen

ARC 407-510, 608-609/ in collaboration with RED 650-660/RPD 965.....pg. 50

ARC: Charlotte Von Moos
Collaborating MRED+U Faculty: Charles Bohl, Stephen Nostrand,
and Tim Hernandez, Developer-in-Residence / Law: Jack Winston

ARC 407-510, 608-609.....pg. 40

Joel Lamere

PAIR.....pg. 42

Wyn Bradley

5.07.2020/ Undergrad + Grad Upper Level Architecture Design - Rome Program

1:00pm - 6:00pm

ARC 407-510, 608-609.....pg. 52

Roberto Behar and Frank Martinez

5.08.2020/ Architecture Thesis

9:00am - 6:00pm

ARC 510/610.....pg. 54

Joel Lamere (Coordinator)
Germane Barnes
Victor Deupi
Dean Rodolphe el-Khoury
Jean-Francois LeJeune
Joachim Perez
Shawna Meyer

Bahamas Initiative

Graduate and Undergraduate
Core + Upper Level Design Studios
Focused on Resilience in the Bahamas

Coordinator

Jorge Hernandez

Faculty

Juan Alayo

Jacob Brillhart

Jaime Correa

Eric Firley

Cynthia Gunadi

Ricardo Lopez

Jose Gelabert-Navia

Christopher Meyer

Shawna Meyer

Elizabeth Plater-Zyberk

Patrick Reuter

Terence Riley

Manuel Clavel Rojo

Edgar Sarli

Florian Sauter

David Trautman

Teofilo Victoria



Studio Course

Undergraduate Architecture Design II

Coordinator

Jaime Correa

Faculty

Giorgio Antoniazzi
 Juan Calvo
 Cristina Canton
 Alice Cimring
 Elizabeth Cronin
 Adib Cure
 Steven Fett
 Oscar Machado

Studio Description

The ELEMENTS OF ARCHITECTURE II core studio focused on five tactical and ideological dichotomies at the root of the contemporary notions of re-development and adaptive re-use: De-composition and Re-composition, Amplification and Clarification, Iconographic and Iconoclastic Transfigurations, Memory and Innovation, and Fission and Fusion of objects in time.

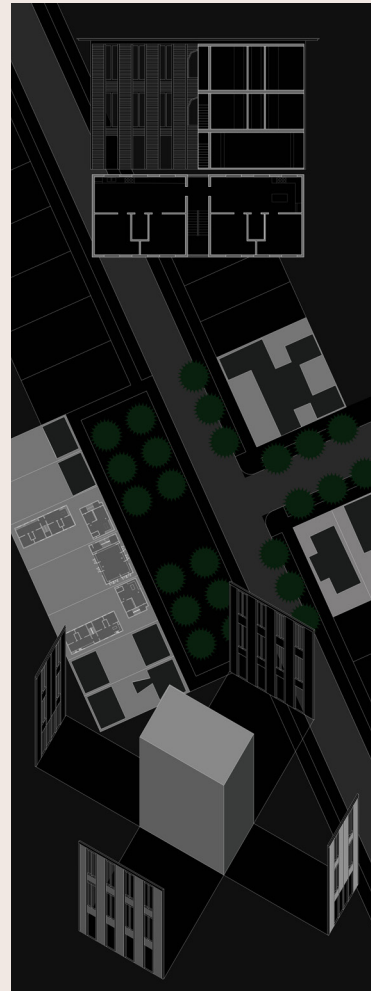
These five elements became the theoretical foundation for five studio projects where

students and faculty examined, systematically and via digital/analogue drawings/plans and/or physical models, the conceptual clarity and practical lessons therein confined. The final review includes a small selection of the best studio projects, including: an addition to the American Precisionist painter Charles Sheeler, interventions into the original scenography design of pictures by nine different movie directors, the adaptive re-use of Le Corbusier's Domino House for a site in Las Bahamas, innovative ideas of representation, and a visiting critic apartment on the rooftop of one of the buildings in the School of Architecture.

Students:

Lillian Acosta
Alex J. Adams
Isabella Adelsohn
Michelle Aki
Salem R. Alsalmi
Nicholas M. Amadori
Salome Arango
Annsley M. Barton
Sophia M. Benitez
Ryan J. Berman
Alana J. Bernard
Ethan Blatt
Julia Borges Reis
Sacha A. Braggs

Keely R. Brunkow
Teodoro J. Bueres
Gray C. Burke
Jack K. Chazotte
Juan J. Chinchilla
Kendall M. Colaluca
Zachary Cronin
Nathan B. Y. Dankner
Jacob Davis
Emily A. Dietzko
Maximilian S. Distefano
Meghan A. Dombroski
Tyler J. Dowd
Josie A. Duran
Alexis E. Ebue

**Students (cont.):**

Lauren Elia
Didem M. Erbilin
Ayca Erturk
Sean C. Festa
Mariana Fleites
Emma S. Friderici
Nicole C. Garcia-Tunon
Jake T. Gawrych
Dario F. Gonzalez
Bautista
Kevin Gonzalez
Daley S. Hall
Alexander K. Harper
Justin A. Heitner
Jasmine Hong
Daniela Jalfon
Abdulaziz A. O. Jawher
Alexandria E. Jones
Tarynn Kaelin
John S. Kovacic
Aneesh Kumar
Ashley Lee
Grace Levey
Andrea M. Lira
Yuhang Liu
Robert J. Lopez
Blaise Lowen
Fabiana M. Macedo
Rodriguez
Nico Machado
Rusconi

Sidney Marques
Benjamin J. Martin
Andrea Martinez
Manuela Marulanda
Bedoya
Hannah Meyer
Douglas E. Noriega
Kean F. O'Connor
Erik Olliges
Erika M. Orellana
Teagan C. Polizzi
Pablo F. Ramos
Soszna
Steffi D. Rangel
Nandha Ravi
William E. Redding
Kayla M. Rembold
Quinn P. Riesch
Mikayla R. Riselli
Carolina Rodriguez
Maria E. Rosiles
Francisco A. Sanabria
Carlos E. Santos Ortiz
Daniel Sicorsky-Brener
Brandon R. Soto
Connor Stevens
Rebecca M. Stewart
Shea E. Stuyvesant
Chi Y. Ta
Jaclyn F. Torn
Josephine E. Torres
Nicole A. Trujillo

Sam Tsurulnikov
Sara K. Tufail
Robert I. Upton
Leanne Vera
Kevan M. Washington
Kailyn Wee
Abbas J J A Yaqoub
Catherine Ye
Emel Yilmaz
Emmaus Yonas
Isabella A. Zayas
AJ Zegans



Studio Course

Undergraduate/Graduate
Architecture Design VI

Coordinator

Edgar Sarli

Faculty

Juan Alayo
Jacob Brillhart
Jose Gelabert-Navia
Christopher Meyer
Shawna Meyer
David Trautman

Studio Description

During hurricanes, people typically take refuge in structures designed to sustain storms but with a completely different primary programmatic purpose like schools, gyms and assembly halls. This consequential understanding of shelters has produced structures that can effectively sustain hurricane forces, yet archetypally lacking consideration given to the human experience. Because global warming and sea level rise are predicted to increase the frequency, scale and impact of major storms, for our project we have reversed priorities. The design of an emergency shelter in the Bahamas requires

unconventional thinking and innovative solutions to the problems of energy, water and building performance; as well as to considerations directly related to the human experience such as length of stay, safety, levels of comfort and privacy of individuals, groups and families. It is a programmatic requirement to add an ancillary program that would guarantee the continuous use of the center even during regular climatic conditions further anchoring it as an important civic building in the community.

The ancillary program varies across the different studio sections.

Students:

Jayprakash Pratiksha Achari
Valentina Eugenia Alfonso
Albornett
Rawan Kh H H M Alkandari
Nora A KH S Alkhalaf
Marissa Gomez Almanza
Andrew Joseph Almeida
Salah Saleh M Alsharari
Abdullah Yahya A Alyahya
Timothy Maguire Baker
Ciana Leigh Bello
Gabrielle Boyar
Jason Scott Brostoff
Amanda Blair Brown
Michael Sutton Cahn
Emily Camejo

Natalie Castillo
Siyang Cheng
Alicia Colon
Robin Crowder
Natalia Andrea Cure Garcia
Andre Mega de Mathis
Jackeline Ivonne Del Arca
Argueta
Polen Durak
Sarah Nicole Ercia
Taylor Alyssa Eyo
Michael M Ganom
Larah Garcez Biondo
Katya Carmen Garcia
Caitlin Garner
Nathalia A Giacetti

**Students (cont.):**

Xingyi Huang
Yufei Huang
Janan A H GH Husain
Florianne Adrien Jacques
Sheinya Wittney Joseph
Cooper William Kaplan
Joshua Kaufman
Michael Kundin
Johnny Edward Laderer
Jennifer Ann Lamy
Jake Leonardi
Jiaxin Li
Yingqi Li
Mariel Delyn Lindsey
Natalie Marie Lipsey
Alexia Lohken
Thomas Long
Skyler Barton Lowden
Ho Ming Herman Lui
Elaheh Mahiantoosi
Alexia Marotta
Otto Gustav Mastrapa
Kerianne Taylor Matre
Charlotte Kyra McCabe
Cecilia Debary McCammon
Christian T. Meyer
Connor Griffin Murray
Shannon Rose Skylark
Newberry
Maria Andreina Noriega
Guerrero
Lauren Kimberly Oates
Daniel Oh
Jane Wesley Rakow

Samantha Ramos
Spencer Richardson
Tanya Gabriela Rivera
Haley Smith
Peyton Fraser Smyth
Gabriel Jean-Paul Soomar
Max Speziani
Haochen Su
Behzad Tavakol
James Joesph Tirado
Adam Toum Bencheekroun
Abel Andres Victores
Jose Alejandro Villalobos
Mackenzie Sky Wilhelm
Yayu Yan
Reid Kruse Yenor



Studio Course

Undergraduate/Graduate Upper Level
Architecture Design Studio

Faculty

Terence Riley
Manuel Clavel Rojo

Studio Description

The Bahamas is an archipelago in the Caribbean region of over 700 islands with an estimated population of 389,482. The islands are vulnerable to storms and floods during the annual hurricane season from June to November, frequently impacting on its people. The capital and largest city is Nassau, with a population of 255,000. The Bahamas can refer either to the country or to the larger island chain that it share with the Turks and Caicos Islands. The official language of the Bahamas is English and many people speak English-based creole. Haitian Creole is spoken by Haitians who make up approximately 25 per cent of the total population. On September 1, Hurricane Dorian – a category 5 hurricane – made landfall on the northern islands of the Bahamas and a second landfall on Abaco island as the strongest hurricane in the Bahamas' history, causing extreme flooding as well as power

and connectivity outages. The Abaco Islands and Grand Bahama were the most severely affected areas. Initial assessments for Abaco found widespread destruction, with thousands of homes leveled, telecommunications towers down, and water wells and roads damaged. There was very limited or no water, electricity or sanitation. In Marsh Harbour, most of the infrastructure was damaged. The death toll stands at 53 with thousands still missing.

In this studio we will consider the needs of the very poor and what we can do that can be accomplished in the most economical way possible. We are not interested in generating more emergency shelters, which are often as expensive as the kind of housing found in favelas and other places of extreme poverty.

Students:

Michael Sean Smith Burke
Sofia Francisca Contreras Ojeda
Siyu Deng
Emily Paige Fusilero
Okan Andrew Has
Beltran Lozano Martinez
Brendan Patrick Riggs
Ali Tanriyar
Tanner Wall





Studio Course

Undergraduate/Graduate Upper Level
Architecture Design Studio

Faculty

ARC: Ricardo Lopez, Teofilo Victoria

Studio Description

Resiliency and Recovery Master Plan of Cultural Patrimony in the Abaco Cay: Architecture and Urbanism, Historic Preservation, Classical and Vernacular Traditions in Social Geography and Material Culture, Planning, Sustainable Urban and Community Development, Transportation, Coastal Geographies and Engineering, Water Resource Management

After the storm is a time of recuperation and reconstruction. It is also a time of introspection and memory. Memory of what is lost and passed in our own lives as in our collective consciousness as a people in history. Cultural Patrimony of the built environment is the common and shared heritage where the collective memory of a community, in time and place, resides and is manifested.

The settlements of the Abaco Cays are such patrimony for the peoples of The Bahamas and, to the extent these towns and places share a common history and culture to a broader Caribbean and mid-Atlantic heritage, have a regional significance, and thus merit a committed effort to a planned recovery which is at once resilient, projects forward and preserves, for future generations, the meaning and beauty of a culture.

Students:

*Bernute Augustin
Michael Sean Cannon
Batuhan Dortcelik
David C. Holmes
Daniel Bradley Kamb
Alexandra Morgan Kupi
Alexander J. Lambert
Gretchen Suzanne Lemon
Karlie Ann Lobitz
Daniel Eduardo Morgan Levy
Nonyelum Ogbodo
Reno Valery Pierre
Thomas Robert Sawyer
Eduardo A. Ventura
Yemin Yan*



Winslow Homer, Hurricane, Bahamas 1898, Water color and graphite on off white wove paper



ARC 204/

5.07.2020, 9:00am - 2pm, 6:00pm - 10:00pm

Studio Course

Undergraduate Architecture Design IV

Coordinator

Eric Firley

Faculty

Cynthia Gunadi
Elizabeth Plater-Zyberk
Patrick Reuter
Florian Sauter

Studio Description

In reaction to the catastrophic destruction created by Hurricane Dorian on the Bahamas in September 2019, U-SoA has decided to contribute to the reconstruction efforts in letting the students of several design studios imagine new spatial paradigms for reconstruction. In the case of ARC 204 this endeavor pertains to housing, with a focus on affordability and resilience. On Abaco Island, in Marsh Harbor, a site has been identified that allows the students to conceive a midrise – high density proposal on grounds that appear to be in single ownership by the government. The site, situated off the coast and fully destroyed by the hurricane, was previously an informal settlement built by Haitian immigrants, connected to its surroundings by a network

of unpaved streets. In contrast to many other locations on the island, mostly suburban, this former district, called “the Mudd”, benefits of a set of amenities that provide it, at least potentially, with a relatively urban character: there is not only close access to the shore, but the site finds itself in pedestrian proximity to the Government Port, a strip mall, local banks, a couple of churches, several restaurants and a massive mixed-use shelter (conceived by 3rd year students in parallel to ARC 204). These conditions, once rebuilt, underline the potential of the site for considerably higher densities than the Bahamian average, which the informal settlement already provided on an illegal base. It can also be assumed that the site and its surroundings will attract more businesses and employment opportunities, next or within the new development. Due to the total destruction of the site and the inexistence of paved streets and cadastral subdivisions it has been decided to cover it with a grid that provides the base for a future masterplan exercise, started by the students, but eventually taken over by the planning authorities. It is not the aim of ARC 204 to design a masterplan for the site, but to test the relationship between residential architecture (with a mixed-use component) and urban design rules, on the background of (very) high densities and specific block dimensions.



Students:

Amy Margaret Agne
Abdullatif M H H Alhusaini
Naser B A M Alkandari
Mohammad A A A
Alramadan
Sarah H M M H A Alturkait
Fahad O A S Alzaid
Ethan John Anderson
Giovanna Bentes Queiroz
Crispin Michael Blamphin

Livia Brodie
Vincent Brown
Ckiara Condezo
Vanessa De Los Angeles
Crespo
Runyu Da
Sophia Elwaw
Paul Fishel
Gianna Rose Florio
Emma Alexandria Gerlach
Amanda Marie Guerrero

Heber Jared Hernandez
Johanela Michelle Hinz
Isaiah Terrell Holmes
Afomia Tekalgne Hunde
Nicholas Cameron Ingold
Mahlia Jenkins
Kevin Edward Johnson
Diana Lissette Juarez-Montano
Hope Elizabeth Kenny
Teymour Khoury

New Life in the Mudd

Faculty: Eric Firley

Benjamin Michael Klinger
Dominic Andrew Lanctot
Katherine Grace Lesh
Guang Liang
Maia Jade Marshall
Ashanni McClam
Christopher Scott Muchow
Emad Hassan M Munshi
Andrey Alexander Nash
Blake Richard Oliver
Ian Xavier Ondek
Miranda Gabrielle Posey
Conor Leo Quigley
Morgan Isabel Rapp
Farha Jalal Reshamwala
Joao Eduardo Llano Ribeiro
Lucas Sam Rosen
Elliot Saeidy
Jayna Lynn Schack
James Tyler Schmidt
Megan Eleanor Sheehan
Shannon Carmin Stack
Julia Teig
Anna Isabel Valdes Zauner
Anthony Louis Venant
Anan Yu
Abdallah Ayman Ahmad
Mohammed Zaidan
Harrison Phan Hieu Zaye
Zeyu Zhang

Graduate + Upper Level

Design Studios

Faculty

Roberto Behar
Charles Bohl
Wyn Bradley
Rocco Ceo
Victor Dover
Joel Lamere
Joanna Lombard
Frank Martinez
Stephen Nostrand
Veruska Vasconez
Charlotte Von Moos
Jack Winston

Studio Course

Urban Infill, Preservation & Mixed Use Development

Faculty

MRED+U: Charles Bohl, Stephen Nostrand and Tim Hernandez, Developer-in-Residence
Law: Jack Winston

Studio Description

Downtown Miami

A high profile vacant land in Miami with two challenges for the team:

1. Come up with a short term use that would bring income to the trust, and;
2. Come up with a longer term development play for the next development cycle where the family might sell or JV the land into its highest and best use.

Margate City Center

Margate is a blue collar city in north central Broward County. Each team will work on one of three phases involving five distinct parcels of the Margate City Center project. This is a real world project that will engage students in implementation scenarios using a Dover-Kohl master plan adopted by the city of Margate, supported by the tools and resources

of a Community Redevelopment Agency and governed by approved development agreements.

Students:

Claudia Aguado
Bethany A. Begnaud
Jason Scott Brostoff
Catherine Carbonell
Antonio Chopitea Jr.
Chandler Davis
Polen Durak
Nicholas Font
Alberto Gedaly
Samuel Herrera
Elaheh Mahiantoosi
Yasamin Rahmanparast
Mackenzie Reininger
Tanya Rivera
Joseph Roque
Ryan N. Swick
Chenkai Zhao



Brickell



Margate

Studio Course

Graduate Urban Design Studio II
in collaboration with MRED+U
Urban Infill, Preservation & Mixed Use
Development Course

Faculty

Victor Dover, Joanna Lombard and
Veruska Vasconez
*Collaborating MRED+U Faculty: Charles Bohl,
Stephen Nostrand, Mark Troen and
Tim Hernandez, Developer-in-Residence /
Law: Jack Winston*

Studio Description

Building on the vision, principles, and processes of the Urban Design Program, founded by current Director Elizabeth Plater-Zyberk, and Adjunct Professor Andres Duany in 1983 as the Suburb and Town Design program, the Urban Design Studio will focus on proposals for new districts within already established communities to address the potential for re-imagining a community as an ecosystem of environmental, community and individual well-ness that provides a panorama of opportunities for resilience across the spectrum of life. The studio will work on two projects - Wales with Victor Dover and Ecuador with Veruska Vasconez -- in collaboration with

the local teams in Lake Wales and Ecuador, as well as with an associated faculty team in the Real Estate Development + Urbanism, Health Management and Policy, and Miller School of Medicine to advance informed, integrated and innovative proposals. Beyond the Monday/Wednesday studio meetings are events that provide deep knowledge and inspiration through direct experience -- the UM Real Estate Impact Conference, the Site Immersion workshops hosted by the local teams, and the UM Business of Health Care Conference: *The Social, Political & Economic Determinants of Health*.

Each studio team will benefit from both studio-based multidisciplinary investigation and collaborations across the disciplines with leading professionals and the local communities. A continuity of communication throughout the semester will enable rapid response as ideas are proposed, analyzed, developed and refined. The results of this dynamic exploration of possibilities for a community at the intersection of economics, real estate, environment, climate, health and wellness, and visionary planning will be shared with the communities at the end of each project with a project Prospectus from each team.



Students:

Lulwah KH J A M Aldamkhi
Tiffani Banks
Megan Browne
Shuyi Cao
Kurt Gessler

Qiaochu Han

Clarissa Hellebrand Blasini
Michael Lia
Vaishvi Likhar
William Russell Miller
Nicholas J. Nicola

Raymond Pereira

Christian Salgado-Soto
Andrew Samonas
Hannan Vilchis-Zubizarreta

Studio Course

Graduate Architecture Design and Theory II

Faculty

Rocco Ceo

Studio Description

The studio looks at how architectural form is informed by thoughtful consideration of materials and methods of construction. The studio examines a dense urban environment rich in material, stylistic and typological history, providing us with a rare opportunity to be surrounded by excellent examples from just about every period of the history of American Architecture.

The studio also looks at notions of containment, display, and the production of meaning in architecture. Parallel to this work will be the question of how nature is represented in the city through the pursuit of an institutional program in need of identity, on a campus that has traditionally been resistant to the notion of center or conformity. An attempt will be made to look at what constitutes the language of this institution's identity and how it may be addressed in an unprecedented program

that mixes public and private space in a historic context.

The studio project involves the design of a unique collection of storage, display and drawing spaces combined with urban housing for visiting faculty at the Rhode Island School of Design (RISD) in Providence Rhode Island. Notions of sustainability and permanence are often connected to an institutions identity both regionally and globally. A mixed-use program that looks at the preservation and study of nature literally (Nature Lab) with the transitory program of visiting artists housing will test our abilities to balance the requirements of a program that is both static and dynamic involving urban identity through a careful reading of place. Parallel to this effort are consideration of periodic readings on relevant projects on a selection of architects who have written about their work or have had their work critically examined by important figures in the world of design thinking.

**Students:**

Olawumi Faith Akinniyi

Maria Cadena

Aleksandra Monika Czaja

Alexandra Nicole Dreybus

Shane Jezowski

Hali Keller

Chuchen Liu

Maha Malik

Ricardo Perez

Ziming Shen

Han Wang

Shifan Wang

Stephen Matthew Wisniew

Studio Course

Graduate Upper Level Architecture Design Studio

Faculty

Joel Lamere

Studio Description

This studio investigated two topics in parallel:

- 1) The relationship between surface and sound, its implications in the experience of architectural space, and the agency of the ceiling in inscribing spatial subdivision.
- 2) Robotic fabrication, computational design environments, and the changing role of the architectural designer in the making of architecture.

Students began the semester with a deep dive into the performative geometry of acoustic surfaces. Known strategies of absorption and diffusion served as precedents, leading to a series of speculative surface designs. These patterns were used during the second part of the semester in the production of 9 unique acoustic micro-environments: helmets, custom-fit to 3d-scanned images of each students' head. Throughout, students made full-scale physical versions of their designs

out of acoustic and EPS foams, fabricated digitally through CNC-routing, hot wire cutting, and robotic milling. The final project of the semester shifted focus, in part due to the closure of our fabrication facilities, to computational simulation and analysis. Students analyzed the acoustic performance of the Murphy Studio building, and proposed corrective measures. Their designs included acoustic clouds that will be fabricated full-scale and hung in the space during the summer.

Students:

Olivia Tower Schilling

Mario Osvaldo Alecio

Kyle Joseph Ferry

Regyne Heurtelou

Sydney Rose Maubert

Sol Perchik

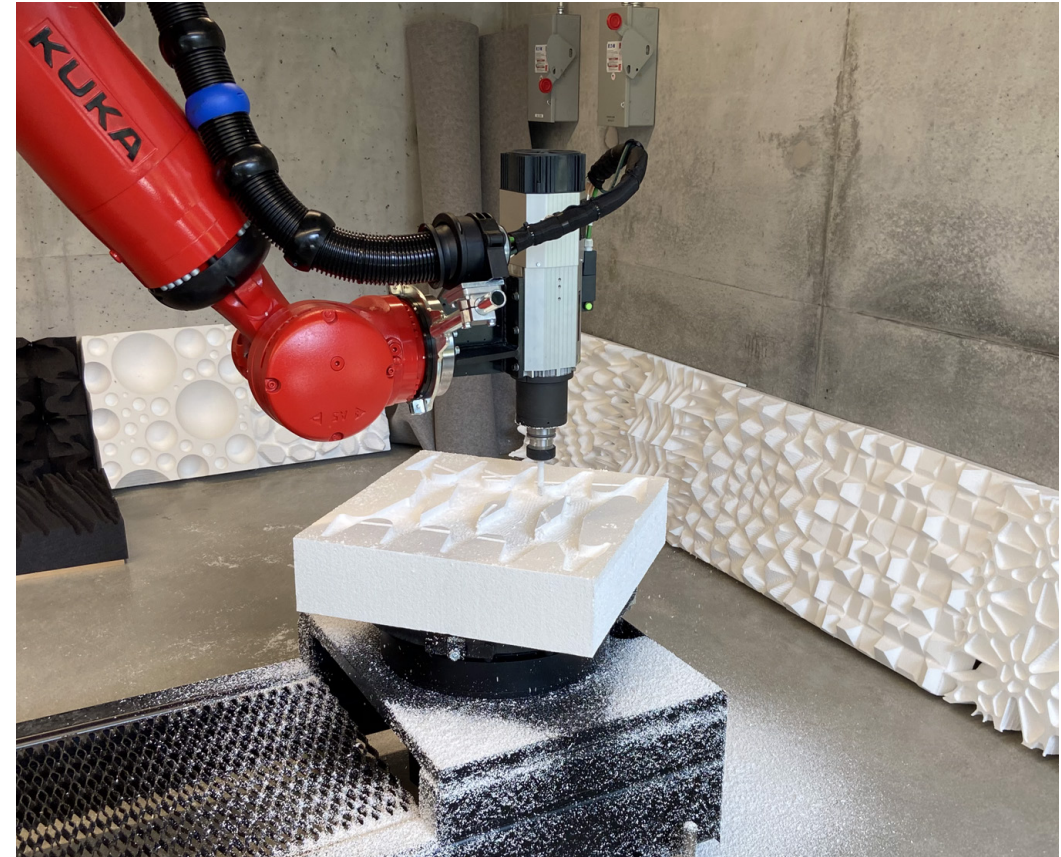
Claudia Vanessa Silva

Andrea Szapiro

Donnie Jamil Garcia-Navarro

Sponsored by: ShopClass

Special thanks to: Grupo ARCA



Studio Course

Upper Level Architecture Design Studio -
Practicum Studio (PAIR)

Coordinator

Wyn Bradley

Studio Description

University of Miami, School of Architecture has created an immersive experience for highly qualified students to be hosted as interns and research collaborators at the offices of top design leaders. What sets this program apart from a traditional internship? Research. This synergistic collaboration leverages three partners: the enthusiasm, hard work and up to date methods of the student, the wisdom and real-world design agenda of the host office, and the thoughtful academic expertise of faculty.

Internship Host Offices

Arquitectonica
KoDA
Stantec
SB Architects

Students:

Yasmine Bencheckroun

Jacob Ronald Crociati

Ryan Paul Danusis

Elsa Hiraldo

Shannar O'Connor

SILVER TSUNAMI, Luxury Senior Living Design Across Different Cultures

My analysis of luxury senior living concentrates on Japan, Europe and the United States. A prominent senior living typology has been the isolated campuses or village. Recently, the market has taken a sharp turn and hotelesque high-rises in the urban centers are booming. My research will focus on analyzing the latest types of design for high end senior housing; sites, units, amenities, opportunities and new trends.

Student

Yasmine Bencheckroun

Internship Host Office

SB Architects



**THE SPACE BETWEEN,
Adaptation of the alleys in Miami Beach**

Miami Beach is well organized with an established grid of dense residential, commercial and hospitality blocks. The alleyways that navigate through the blocks are abundant, but underutilized. Today, they serve a critical service function. However, this network of sequestered, urban passageways can be further expanded upon to improve mobility, reduce flooding, enhance urban ecologies and maximize the cultural identity of the city. The opportunities presented by this network of sequestered urban passageways is what my project focuses on.

Student

Jake Crociati

Internship Host Office

KoDA



**SHORE POWER
for the cruising capital of the world**

Berthed cruise ships rely on onboard diesel auxiliary engines for the generation of electrical power to operate all functions of a ship. These engines emit harmful pollutants into the adjacent neighborhoods and are significant contributors to air pollution. Shore Power allows ships to plug into the electrical grid and turn off their engines. When a vessel is connected to shore power, overall pollutant emissions can be reduced by up to 98%. If other ports are monitoring air pollution and switching to shore power, why isn't Port of Miami?

Student

Ryan Daniusis

Internship Host Office

Arquitectonica



STREETSCAPE:
Three Distinct Solutions for Wynwood

Streetscapes play an important role in the city. They are what defines the public character of a city. Wynwood, the world-renowned cultural art hub of Miami, is known for its street art and poor streetscapes. Streets lack the functional space where visitors and locals can feel comfortable and safe while viewing art. My research project provides solutions to three important street types in Wynwood – the Boulevard, Main Street and a Pedestrian Street.



Student
Elsa Hiraldo

Internship Host Office
Arquitectonica

ACOUSTICS:
Open-plan Office Spaces and Their Acoustic Challenges

There are many benefits to open-plan offices spaces, such as cost-effectiveness and increased collaboration, flexibility, and communication; however, there are also plenty of drawbacks, which include lack of privacy and increased noise, distractions, stress, and germs. The majority of these drawbacks are directly related to the poor level of acoustics that unfortunately go hand-in-hand with any open-plan space. My research will focus on exploring various solutions for improving the acoustical quality in existing buildings being used for open-plan office spaces.

Student
Shannar O'Connor

Internship Host Office
Stantec



Studio Course

Upper Level Architecture Design Studio
in collaboration with MRED+U Urban Infill,
Preservation & Mixed Use Development Course

Faculty

Allan Shulman
Collaborating MRED+U Faculty: Charles Bohl
and Mark Troen

Studio Description

Fort Partners Hotel Studio: Hotel Futures
Initiated in 2014, the Hotel Studio is a forum
for the investigation of hotel architecture and
the hotel as a building type. It surveys the hotel
as a model of public and private spaces, and
explores the interrelated issues of culture,
climate, lifestyle and design that inform these
spaces. The studio is a platform for creative and
critical reflection about issues of hospitality,
and emphasizes reciprocity between research,
design, real-world limitations, and creative
problem solving by students.

Sponsored by hospitality developers Fort
Partners, the Spring 2020 Hotel Studio was
tasked with exploring hotel futures: how
emerging issues and trends of hotel design
are changing the landscape of the industry,
especially for young travelers. It was conducted
as a close collaboration among students

and faculty in the Architecture program and
the Real Estate Development and Urbanism
(MRED+U) program. The studio comprised
two phases. Phase 1 was an intensive research
phase emphasizing field study, documentation,
and analysis, and was conceived to provide
market research toward new hotel and brand
development. Phase 2 emphasized design;
students used the research acquired in
Phase 1 to inform the development of five
new theoretical brands, and then tested
these brands in the elaboration of individual
projects, focusing on innovative architectural
solutions, sustainable design strategies, and the
development a compelling business model.

Students:

Mikayla Paris Allen
Sofia A Kiblsky
Alexandra Marie Leitch
Svetlozara Gizdashka
Amanda Marie
Arrizabalaga
Daniella Paola Cancel
Daniella Huen
Tomas Tapias
Kalil Jose Mella Pablo
Junyong Wu

Collaborating MRED+U

Students:
Alexander Alford
David Chonillo
Andrea Cross
Alana A. Fernandez
Michael Steven Ricci
Andrew Samonas
Christian Salgado-Soto
Michaela Senior
Andrew Socarras
Mahalaxmi (Lucky)
Subramanian
Burak Sumru
Matthew H. Zukowsky

Sponsored by: Fort Partners



Studio Course

Undergraduate/Graduate Upper Level
 Architecture Design Studio
*in collaboration with MRED+U Urban Infill,
 Preservation & Mixed Use Development Course*

Faculty

Charlotte Von Moos
*Collaborating MRED+U Faculty: Charles
 Bohl, Stephen Nostrand and Tim Hernandez,
 Developer-in-Residence / Law: Jack Winston*

Studio Description

Inspired by the claims of the sociologist Eric Klinenberg in his recent publication 'Palaces for People' that 'social infrastructure'—the physical places and organizations that shape the way people interact—could indeed help solve some of our most pressing societal challenges today like global warming and a growing population, this studio proposes to investigate this matter in a fundamental manner by taking as starting point a very concrete question, namely a project for Affordable Housing with approximately 190 micro units in Miami. Within this theoretical umbrella, we will be working under the guidance of local developer Vagabond Group Consulting LLC. on a existing site located in an Opportunity Zone in Little River.

The challenges of meeting the programmatic requirements of our 'client', the Miami 21 Zoning Code and the efficiency that such an economic construction obviously demands will not be seen as mere constraints and limitations but rather as potentials and an opportunity for profound questioning and rigorous reinvention of this housing typology. Altogether, our hope and intention is to create imaginative projects which respectfully confront both reality and history, generating genuine forms of social resilience that open up new ways of experiencing collective life.

Students:

*Faris Al Aswad
 Sofia Karina Silva Cadena
 Valeria Vyacheslavna
 Dimitryuk
 Joshua Max Kleinberg
 Hunter J. Kronk
 Stefanie M. Levy
 Juan Marcos Guareschi
 Mujica
 Julia Ann Murdoch
 Rebecca Kate Rudner
 Emily Camila Suarez-
 Aviles*

Collaborating MRED+U

Students:
*Asi Ackerman
 Kevin Bandel
 David Chonillo
 Isaiah Costas
 Andrea Cross
 Giuliano D'Arrigo
 Pascale Desir
 Kelsie Elmer
 Alexander Hankin
 Darwyn Lenior Kelly
 Kristina Leiter
 Javier Mora
 Jose Heighes Sousa
 Will Wiseheart*



Studio Course

Undergraduate/Graduate Upper Level
Architecture Design Studio - Rome Program

Faculty

Roberto Behar and Frank Martinez

Studio Description

The studio will undertake the re-invention of Piazza Capo di Ferro in Rome. The piazza is composed of a unique collection of architecture events by architects such as Borromini, possibly Raphael and Mazzoni, author of the extraordinary Palazzo Spada where architecture, art and the city meet at the piazza.

The piazza is part of a remarkable assemblage of public squares composed by Piazza Farnese, Campo de Fiori, Piazza Capo di Ferro and others. The new Piazza Spada, will freely follow the original layout of the public space as described by Letarovich XVIII Century figure ground map of Rome.

The project program and objective is to underline the individuality and identity of the square as public art and to promote civic and public life in the new Piazza Spada.

The program is open and all intervention strategies, permanent or temporary as well as artistic or architectural are available to students to explore.

Student:

Maaryam F KH J H Alanzi

Maria Claudia Aparicio

Gladys Amelia Espinal Vasquez

Shariq Ishaque

Jichu Li

Maria Isabel Lira Adrian

Malek Waleed M Matbooli

Jheanelle Christasia Georgian Miller

Morgan Christopher O'Brien

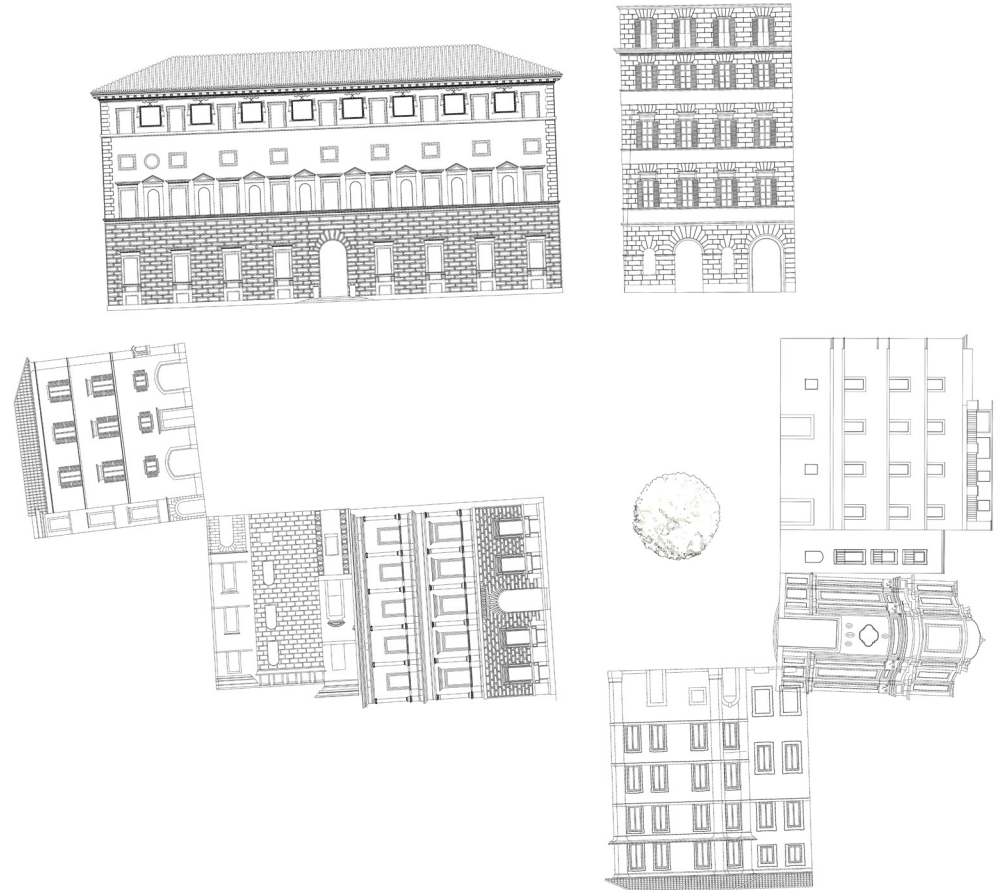
Alexandra Maria Remos

Hannah Lilia Rodriguez

Madison Taylor Seip

Haoran Wang

Shimeng Yang



Coordinator

Joel Lamere

Faculty

Germane Barnes

Victor Deupi

Rodolphe el-Khoury

Jean-Francois LeJeune

Shawna Meyer

Joachim Perez

Students

Baraa Khalid A. Ageel

Tori Alexandra Cohen

Celeste Desiano

Donnie Jamil Garcia-Navarro

Laura Wendy Leichtman

Mario Ostolaza Guitian

Dylan Rzepka

Liwen Shao

Angela Maria Villada

Fuhong Wang

Jiayi Wang

Zeyu Yuan

Yibo Zhang

Studio Course

Architecture Thesis

Student

Baraa Khalid A. Ageel

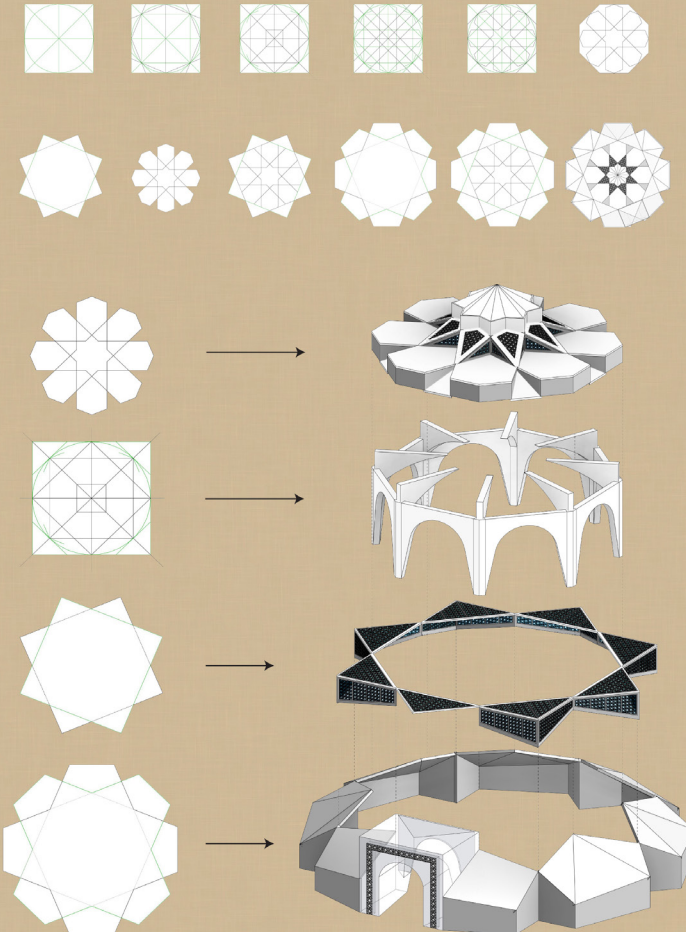
Thesis Advisor

Victor Deupi

Thesis Description

Islamic architecture is a wide-ranging classification with a much-debated definition. The buildings themselves employ a variety of features which have shown themselves to be repeated across different architectural attributes and typologies with influences from Roman and Byzantine sources. It is characterized by several distinct characteristics which architectural experts today agree to be the main tenets of the architecture. These characteristics include pointed arches, minarets, domes, geometrical pattern. This thesis project aims to create an Islamic architectural manifestation by utilizing one of its main characteristics which is Islamic geometrical patterns and reveal this architectural identity outside its original context.

The designation of an architectural attributes as Islamic is one that comes with its own set of challenges. Scholars have argued over whether the definition should be restricted to buildings which serve a specific religious purpose, such as mosques. Others have argued that the architecture's designation has moved beyond one with strictly religious underpinnings to one that simply describes a set of characteristics which have taken on a life of their own. This debate is particularly relevant in discussions of revitalizing Islamic architecture and employing its identifiable characteristics in secular contexts in more multicultural arenas. Those who believe that Islamic architecture is a defining term shaped by religious influences tend to believe it should stay that way, while those who appreciate the functional and aesthetic virtues of the style tend to lobby for its spread throughout the world, as well as its use in things as varied as shopping malls and cultural centers.



Studio Course

Architecture Thesis

Student

Tori Alexandra Cohen

Thesis Advisor

Joachim Perez

Thesis Description

Commercialization has unequivocally marred today's art world, leading it to a path of inaccessibility. Miami is the quintessential example of this phenomenon: private collectors who keep a bulk of their collection to themselves, private institutions and exclusive art events with unaffordable entrance fees, and a county-run Art in Public Places program whose main priority (ironically) is to increase their investment portfolio. This thesis explores various strategies ranging from the incorporation of already available infrastructure to the implementation of guerrilla tactics in order to combat this issue plaguing Miami's art scene.



Studio Course

Architecture Thesis

Student

Celeste Desiano

Thesis Advisor

Joachim Perez

Thesis Description

In the process of rethinking spaces and the way infrastructure changes the fabric of the city in times of accelerating urbanization and densification, cemeteries face the challenge of maintaining their relevance as a public urban space. The consolidation and optimization of space are major factors contributing to this condition while cultural identities also impact the way that necropolises function within societies. Many cemeteries are landmarks, tourist attractions or reflections of the culture from their own cities. Historically cemeteries were at the periphery, but over time they were integrated into the urban fabric. The proposal takes into consideration the critical and multivariate cultural characteristics of “Miami” in a new way of thinking about cemeteries using unique elements that evoke memory of the city. Each piece can be a remembrance

of materials, form, color, the interaction within the environment in an amalgamated fashion that becomes reflections of Miami into new landmarks.

Death is not an end, being forgotten is



Studio Course

Architecture Thesis

Student

Donnie Jamil Garcia-Navarro

Thesis Advisor

Dean Rodolphe el-Khoury

Secondary Advisors

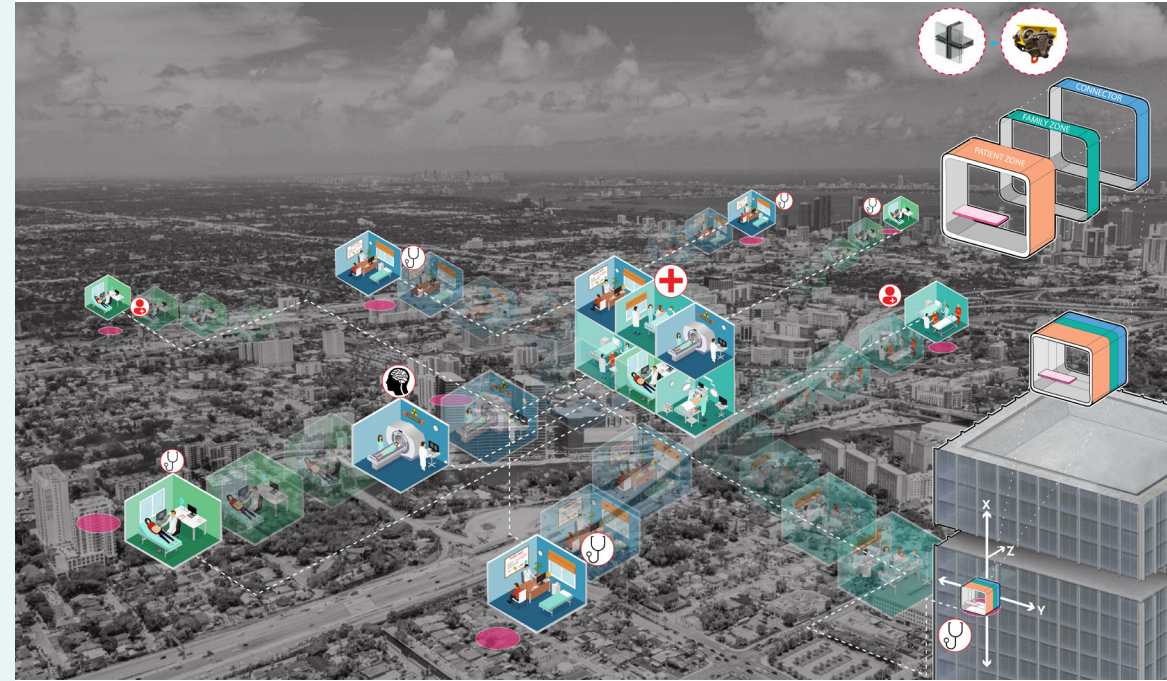
Christopher Chung

Deborah Franqui

Thesis Description

Surge in population, inefficient healthcare, and infectious diseases demand an architectural intervention that will decentralize and distribute the hospitals throughout the city, bringing its atomized components to our homes. We are currently living through a global pandemic that will reshape the way healthcare is delivered. Massive hospitals in our cities are being directly affected and are under siege in meeting the demands of our community. Miami-Dade's growing population, and particularly the elderly community, are impacting hospitals and making them ineffective when responding in times of crisis.

This thesis proposes a residential tower that will become the alternative to the ever-expanding hospital, breaking it down and introducing a medical room module. With the use of technology, this unique room module can connect to the healthcare environment through interactive features that will bridge the gap between our healthcare needs and the growing population of our cities. Imagine using an app on your phone to request a medical grade room which attaches to your home. This room will respond to, emergency needs, preventive care, long term care, and infectious isolation. With this project, we will provide accessible and customizable medical care addressing the needs of our community and become the future of healthcare.



Studio Course

Architecture Thesis

Student

Laura Wendy Leichtman

Thesis Advisor

Joel Lamere

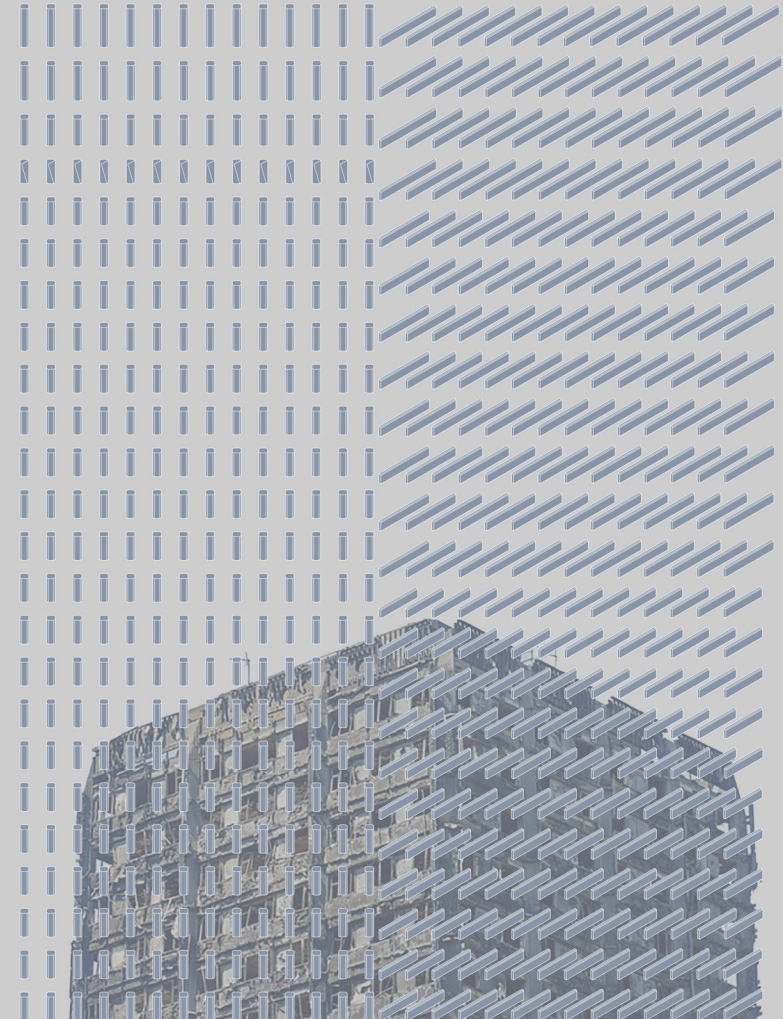
Thesis Description

Demolition waste comprises roughly 2/3 of material sent to landfills in the United States. Of that, roughly 50% is concrete, making the reuse of concrete an urgent problem for efficient and sustainable material practices. Thus, it is incumbent upon designers to devise a system of reuse that reconfigures the material in a primary way, to minimize the need for additional energy or carbon expenditure.

In concrete construction, tensile strength is provided by internal rebar, which then connects the columns and the slabs. However, when these pieces have been torn apart—as is the case during demolition—this internal structure no longer functions as designed. This thesis proposes an external system calibrated to return structural function

to these parts. Network structures, which are highly adaptable and can accommodate a set of parts containing broken pieces, are deployed to accomplish this goal.

To highlight the potentials of this system, the Brutalist Grenfell Tower in London is used as an example. In 2017, a tragic fire caused by material failure gutted the building and killed many. This thesis considers the remnants of the building as a kit of parts, to be reassembled into a new structure on the site. It transforms a site of material failure into a site of material possibility; it offers an optimistic vision for the future, displacing this collective loss with the shared productive infrastructure of an urban farm.



Studio Course

Architecture Thesis

Student

Mario Ostolaza Guitian

Thesis Advisor

Shawna Meyer

Thesis Description

As time passed, citizens began to realize the shortcomings of the city they inhabited.

It all started with the idea of a new city, freed from its cultural constraints. A completely artificial environment, manufactured by its citizens so that it would absolutely fulfill their wishes. A machine of infinite freedom and economic opportunity.

To satisfy this idea, the city is based on three critical axioms for its development: the grid, the lobotomy, and the schism. These would allow the materialization of the idea as a metropolis without any limits.

The problem. A simple question: how to materialize the idea of unlimited congestion in a limited globe? The citizens were slow to realize this dichotomy. A machine without a conscience, feeding itself like a parasite on its host.

The globe. A celestial body governed by the axioms of nature was a prisoner of this machine. Its most primary resource, water, was, in turn, most affected by the city's massive population growth.

The solution. The citizens, fearing they had caused irreversible damage to the globe, proposed a negotiation. A treaty that would change their city's original ideology by introducing a new axiom



Studio Course

Architecture Thesis

Student

Dylan Rzepka

Thesis Advisor

Joachim Perez

Thesis Description

Living in Space is a modular space station based around future generations of spaceflight and resources. Built on earth and assembled in space, these modules attach to create an orbital live work play environment. With a mixture of solid modules as well as inflatable modules, the station can be expanded forever as time and technology changes. As the human body does not do well without gravity, the use of rotational half-gravity environments maintains the basic social lifestyles of living and working. While no-gravity modules create new forms of play and experiments, each occupant works to provide food and resources for the station through farming, and 3d printing, as well as scientists, work on focused operations in both the half-gravity environment, as well as no-gravity. When occupants are not working, the

no gravity environment becomes a freeform play area with multiple pathways, rooms, activities, and views. As there is no gravity and direction in space, no-gravity pods hold an inflatable network of structure, which is the basis for interchangeable barriers. These barriers create an environment that can be navigated in any direction and changed as the occupants see fit.



Studio Course

Architecture Thesis

Student

Liwen Shao

Thesis Advisor

Jean-Francois LeJeune

Thesis Description

Planned from the early days of Roma Capitale and implemented in the 1930s under Mussolini, the Via dei Fori Imperiali established the 20th century iconic connection between Piazza Venezia and the Colosseum. Under the road and on its sides, there lies the glory of antique Rome: the Imperial Forums. While the debate about the future of the street has raged since the 1970s, archeological excavation has continued. The road has been preserved, but the public spaces and parks around it have been destroyed. People cannot enter the ancient ruins and the modern layer, increasingly crowded by tourists, has become more and more inhospitable.

Taking advantage of the metro construction and the planned elimination of traffic, this comprehensive design proposes to rediscover

and reinvent public space at the heart of the city. At the urban scale, the Via dei Fori Imperiali is entirely redesigned as a pedestrian promenade and sequence of public spaces. The ancient Roman layer is conditionally open, which allows people to experience the antique forums. The urban design project is complemented by various architectural interventions. Most important are the new Museum of Imperial Forums which houses Italo Gismondi's model of Ancient Rome transferred from EUR, and a new open-air room to house a reconstruction of the Forma Urbis Romae, also known as the Marble Plan (208-211 AD).



Studio Course

Architecture Thesis

Student

Angela Maria Villada

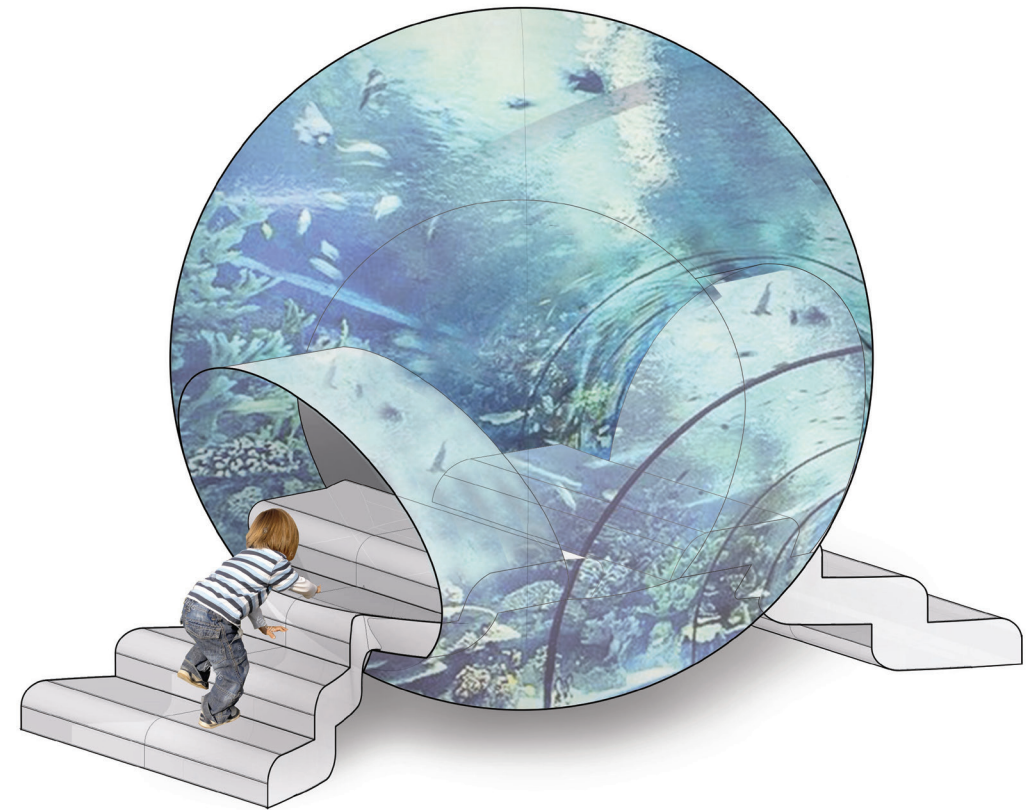
Thesis Advisor

Joel Lamere

Thesis Description

The design of public space has been of the utmost importance since the times of the Roman forum; it dictates the manner in which the inhabitants interact, and establishes a spatial foundation for the way that people think about themselves as participants in the public realm. And so, the municipal spaces that are a fundamental part of daily life should be open to all. And we are told they are. But those who design these areas have, inadvertently or otherwise, excluded many, through ethnocentric decision-making, narrow definitions of citizenship, or by ignoring those who are other-abled. This hostile architecture plagues our cities. This type of architecture, defined by The Guardian as “the design of buildings or public spaces in a way which discourages people from touching, climbing or sitting on them, with the intention of avoiding

damage or use for a different purpose,” is actively forming public spaces, dictating its major elements, and excluding certain constituencies. Spaces should welcome without reserve; sitting, eating, instruments, collectivity, creativity, reading, walking, sleeping and not least, protesting. This thesis intends to harness design’s power for the collective good, proposing a family of installations in public spaces that encourage inclusivity.



Architecture Thesis

Fuhong Wang

Germane Barnes

Natural disasters are unavoidable. However, there is no perfectly permanent architecture or city under extreme conditions. Infrastructure, transportation, telecommunication and housing can be more resilient and intentional to prevent mass displacement. The new city should be able to escape from severe disasters. Unlike contemporary cities or from the past, the Ambulatory City can bring itself and its residents back after a climatic catastrophe.

ORANGE - TO DELIVER LIGHT SUPPLY AND FOOD OR WATER UNDER CERTAIN CONDITIONS, DEPENDENCY OF PROFILES OR IMPERFECT CIRCLES

ROAD SYSTEM - ORDINARY VEHICLE OPERATIONS

FIRE SECTION - TO PREVENT THE SPREAD OF AND EXTINGUISH SIGNIFICANT UNMANNED FIRES IN BUILDINGS, VEHICLES, HOUSING

ENERGY GRID - TO PROVIDE ALTERNATIVE ELECTRICITY IN SHORT PERIODS OF TIME

ENERGY GRID - TO PROVIDE ALTERNATIVE ELECTRICITY IN SHORT PERIODS OF TIME

WIND AND SOLAR WATER SOURCES - TO PROVIDE ALTERNATIVE WATER SUPPLY IN SHORT PERIODS OF TIME

POWER NETWORKS - BE ABLE TO DELIVER POWER TO EVERY CORNER OF THE CITY

Studio Course

Architecture Thesis

Student

Jiayi Wang

Thesis Advisor

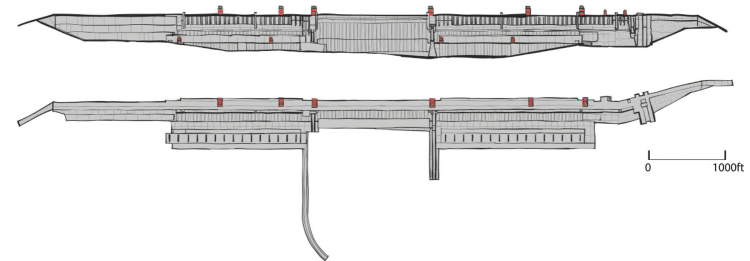
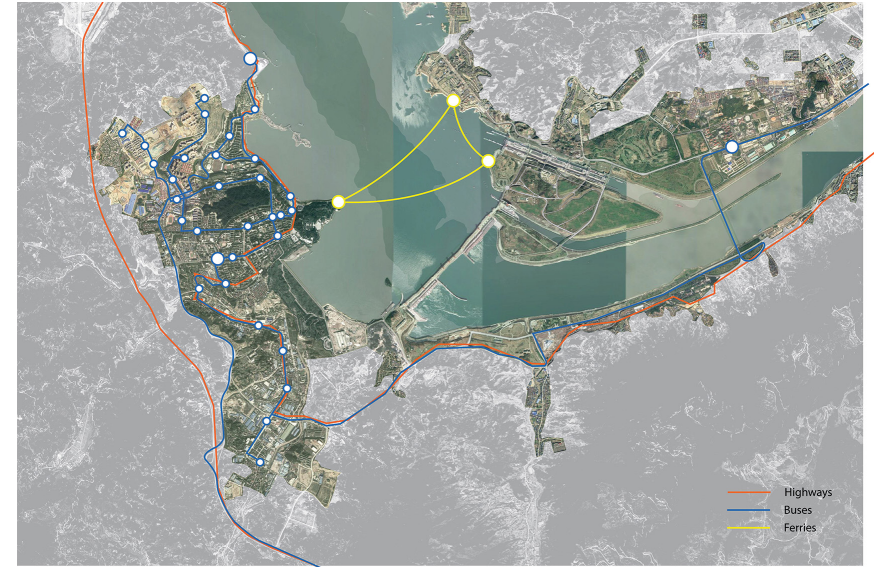
Victor Deupi

Thesis Description

Dams and their associated reservoirs are an issue that attracts people's attention because of contradictory feelings towards them. People love them because they could control floods and provide hydroelectric power, while detest them because they have complicated effects on the environment and society. We may not be able to design a dam like what an engineer does, but we can refine the reservoir and its neighborhood as an architect to minimize the impact on the surrounding context.

This project focus on the Three Gorges Dam and its surrounding areas in China. In memory of the flooded old towns and villages and in order to activate the new towns and villages, architecture projects as well as urban design projects are being placed on site. The stepped garden is a representation of the past, while

the new village on the island is the future. Although the dam that connects them is a barrier now, it would be a connector of the towns and villages on other side of the Yangtze River, and a connector of the past and future.



Studio Course

Architecture Thesis

Student

Zeyu Yuan

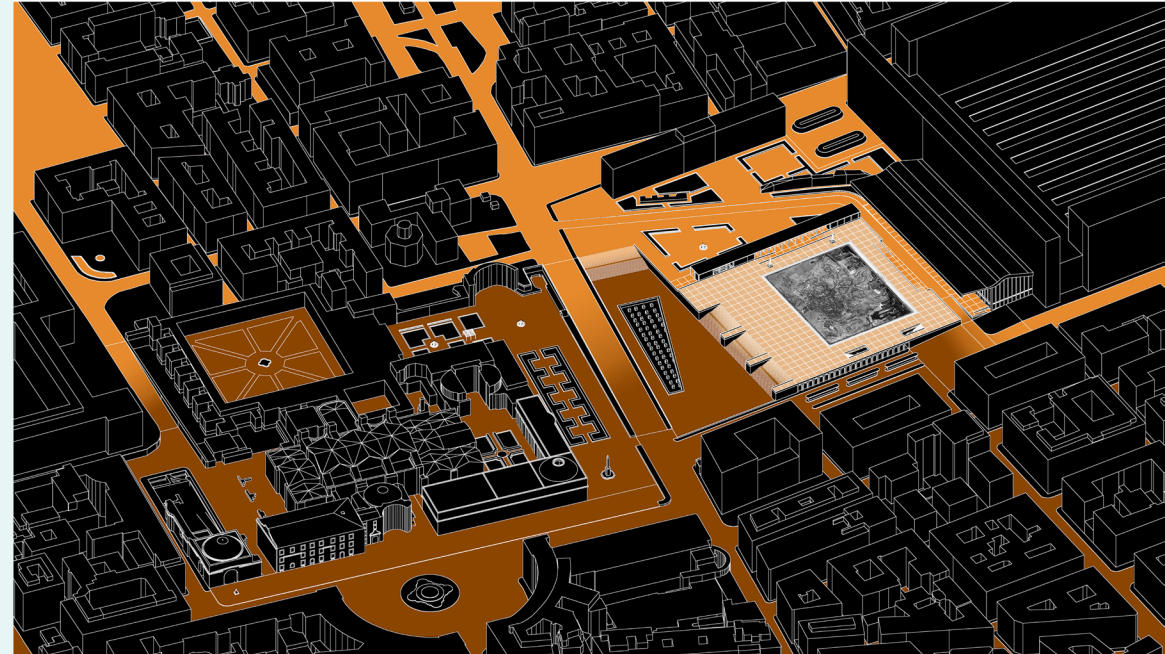
Thesis Advisor

Jean-Francois LeJeune

Thesis Description

Nowadays, many cities are facing the problem that the old public spaces cannot meet the requirements of modern city life anymore. Rome is a typical instance of that evolution. This thesis focuses on the improvement and reconstruction of one of the most significant public spaces in Rome, the Piazza dei Cinquecento in front of Termini train station. Overwhelmed by traffic, parking and bus terminals, visually and functionally disconnected from the archeological complex of the Baths of Diocletian, the current square is but a shadow of the grand entrance to the city that it should aspire to be. The project is composed of three sections that will create a new archeological promenade from the station to Piazza della Repubblica: a large paved square that opens under the station's entrance canopy with a new café, entrances to

the metro, and bus stops; a new archeological park created by excavation to reveal the ancient cistern that serviced the baths and connected to the station square by a series of large staircases; the reorganization of the street network to permit the reconstruction of the front façade of the Baths. By organically connecting the entire system of public spaces and basically maintaining and optimizing the transportation network, the project enriches the pedestrian activity space and reveals the extraordinary cultural significance of the area to tourists and residents alike.



Studio Course

Architecture Thesis

Student

Yibo Zhang

Thesis Advisor

Joel Lamere

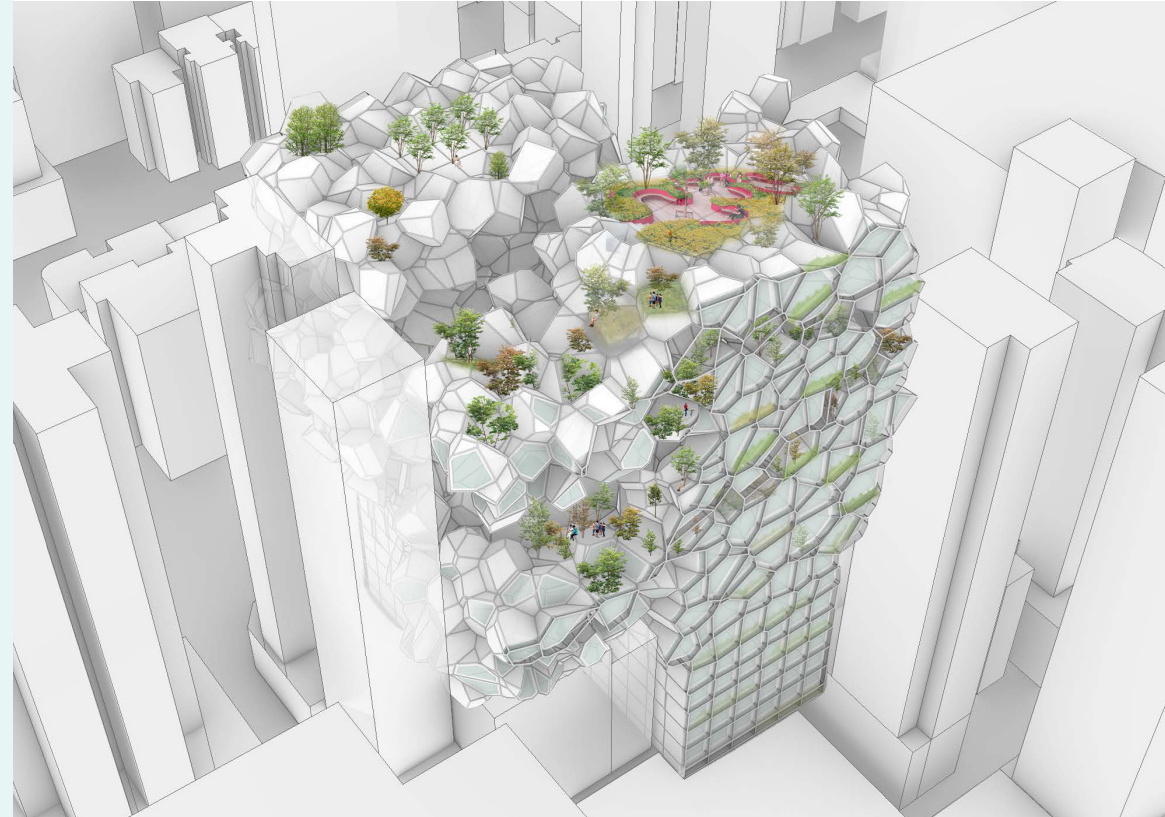
Thesis Description

This thesis proposes a new type of residential building for an ultra-high density city. It uses two tactics to approach the problem: a computationally-driven non-orthogonal structural system, and a traditional Chinese domestic typology. The thesis, in using both, seeks to alleviate the pressure caused by the high population, while fully considering the local residents' living needs and cultural preferences.

The structural system is based on lattices, using a Voronoi network to produce irregular self-stabilizing cells. This new type of structure is not limited to the traditional force-flow direction (vertically upward), allowing for a range of new configurations, potentially achieving more living space on limited land.

The domestic typology is based on the traditional Chinese courtyard house. The project introduces many shared spaces into the building, reducing redundant functional spaces, such as kitchens and bathrooms in many units. The public space, now packed with shared programs, stimulates communication among residents. This makes the entire community dynamic.

These two ideas produce a unique new type, which provides the possibility of large-scale outdoor garden. So, in addition to its inventive internal logics, this new building acts as a forest growing in a high-density city.



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Photos courtesy of

Ricardo Lopez
Edgar Sarli

University of Miami
School of Architecture
1223 Theo Dickinson Drive
Coral Gables, Florida 33146
arc.miami.edu

