

# ARC 4323 Design 8 Syllabus

Professor Martha Kohen

## Spring Term 2021

Spring 2021 School of Architecture/ University of Florida  
Studio Schedule MWF periods 7-9 (2.05 to 4.55 pm)

**OFFICE HOURS** M W 5-6 periods (12.50 to 1.40)

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<http://puertoricorestart.org>

<http://chu.dcp.ufl.edu>

January 11 to April 21 ARC 4323

Room Online synchronous delivery

ARC 262 PH: 352 2941475

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## Reconfiguring Settlements for the future

**Resilient relocation in St Augustine with Covid19, Climate Change, Sea level Rise and Economic downturn as compounded risks . Daring to vision possible futures.**

### Introduction

This course of Architectural Design 8 introduces two fundamental areas of the critical design process. On one hand the understanding and response to more definite social , functional, environmental and technical requirements and on the other hand the consonance of the design process immersed within the natural world ,the energy systems, the urban context and the regulatory and financial parameters. This studio is about deeply understanding the possibilities and the implications of our design strategies in the creation of virtuous synergies in our surroundings, the development of the sensibility to understand, respect and design associated with Climate Change evolving consequences and expectations for the coming decades, under the impact of the new Pandemic restriction factors. You will also continue to develop your critical thinking capabilities, your research methodologies, the application of your analog and digital design tools and your collaborative skills. You will deepen the design process, social and technical skills through the introduction of more holistic control of the technical components of the Urban design and Architectural products. With these considerations guiding us, we summarize the key goals of **Reconfiguring Human inhabitation in Coastal North Florida** studio as:

. Collectively obtain scientific data and predictable outcomes regarding Climate Change and its consequences for the Coastal areas of Florida, both natural and developed.

. Investigating the conditions and specific characteristics of the human settlement patterns through personal immersion, cultural interpretation and critical focused research.

- . Understand the economic, social and cultural meaning of the settlements, through historical research on the evolving relationship between Man and Nature, and the impact of the climate conditions
- . Develop design capabilities within the constrained conditions and variations of the Infrastructural conditions and the Relocation needs.
- .Formulate a strategy composed by at least three variables. Understand dimensions and components of a foundational infrastructure, a housing strategy, and place making for identity, activities, and social condensers, commercial and cultural hubs.
- . Continue to develop the design process and critical thinking expertise, inclusive of the technical skills regarding structural and material determinations, with emphasis in the creation of innovative paradigms of individual and collective residential living, that continue to respond to the unicity of the life styles in the historical and coastal context.
- . Develop Sustainability sensibility at all levels of engagement, and understand and create inclusive environments, where interior and exterior spaces are creatively resolved, and are responsive to the environment.
- . Experience collaborative research and collaborative design processes, while developing clarity of the proposals and inclusion of multiple points of view.
- . Practice Service Learning through a collaboration with target communities, for projects related to the recovery and the establishment of resilient conditions in housing options.

## **Pedagogical approaches**

Architectural Design 8, the last course of Upper Division, builds on the experience of lower and upper division courses, refining and articulating your experience for space making. It is understood as a exploratory and synthetic course, where we will reinforce cultural relevance, concept development, social meaning and involvement, as well as responding responsibly but innovatively to future conditions. We will examine the role of the architect as an agent of change and innovation, in particular in the response to the region challenges. We will require the application of advanced skills in the coordination between the socio economic and management aspects and spatial, structural, material and environmental systems through the adequate representation means (maps, plans, sketches, diagrams, facades and sections, renderings, details) and the advanced use of digital tools as a means of representation.

The composition components will include not only the tectonics of enclosure of the built components, external spaces, and community spaces but an enhanced representation of urban and intermediate spaces and relations between the outside and the inside worlds, with the integration of the infrastructural components regarding accessibility, water management and energy issues. The studio will consider regulatory conditions and the management alternatives.

The course will demand active intense participation of every student. It is a unique opportunity to introduce innovation in Urban Concepts, Recovery efforts that aspires to long term resiliency. We welcome collaborative efforts, integrative perspectives, interdisciplinary

collaborations, a research attitude, and social engagement and responsibility. The pace of studio production will be an accelerated one, with the development of three complementary projects, and the inclusion of quick charrettes on special ideas. **If the Puerto Rico Re\_Start 4 Workshop would be confirmed from March 22 to March 30, to held digitally in coordination with the Polytechnic University of Puerto Rico, the D8 studio section students will be offered the possibility of exploring parallel ideas, for the area of Arroyo-Guayama in the PR SE region.**

Assistance to studio and grading will be recorded DAILY.

## Course Schedule

### Week 1 January 11 13 15

Introductions/ Organizing the studio/Survey/Waivers/code of conduct/ diagrams/ travel Plans

The News of the world Café', the Fundamental Reader

**Investigation 01** Mapping and understanding **the First Coast of Florida** ( in teams)

**Investigation 02** Climate as Ally and as Threat, determining our working environmental conditions and comparing **Florida and PR**

### Week 2, January (18 Holiday) 20 22

**Project 1. Urban Proposals** Mapping Saint Augustine's history, densities and typologies of residential settlement, urban and infrastructural analysis. Planning precedents. Population statistics evolution and forecasts. Literature review. Websites review. Constructing a selected thematic data bank .Risks assessment for infrastructural components, and grounded activities. Potential relocation alternatives. Exploring case studies worldwide and selecting intervention sites.

**Weeks 3,4,5 January 25 to February 12** Project proposals. In accordance with the analytical dimensions, proposals of intervention will be developed by groups following alternatives in the founding of new communities or intervening in the existing urban areas to introduce resiliency and perdurability. The range will cover Reuse and transformation of vacant properties, new infill proposals, urban expansion proposal and new foundations. **Projects will be presented for review by the groups on February 12th class time.** The project consists of the urban and housing strategies definitions and setting for the future housing proposals

### Weeks 6,7, 8, February 15 to March 5rst

**Project 2. Housing proposals** Concepts

Students will develop **individually** a collective housing complex proposal in a setting coordinated within their group Master Plan proposed in Project 1. In this phase, each student is developing his/hers selection of Case Studies, and criteria and ideas responding to the specific social, economic, population profile in North Florida conditions, considering infrastructure requirement, programmatic mix, resilient dimensions, and its contributions to a sustainable environment, both in the private realm and in the public space reflections.

Presentation of advancements on March 5<sup>th</sup> **as Mid Term review**. Each student will refer to the Master plan conditions and his individual Collective housing determinations.

**Week 9 March 8 to 12** former Spring Break. (suspended) Classes continue

**Weeks 9, 10, March 8 to 17.**

Advancement on studies on the collective Housing project

March 17-19 Preparations for the PRRS 4 Workshop

**Week 11 March 20 to 28 th**

**Puerto Rico Re\_Start 4 International Workshop online participation**

**Weeks 12, 13, 14 and 15 March 29 to April 20 th**

**Project 3 Neighborhood / block project** related with Project 1 and Project 2, to be developed individually inclusive of program, infrastructural and structural components. The individual projects will be reviewed during class time on April 5. Projects will develop one of the alternative strategies of residential development components. Projects will develop all the Architectural components, plans, sections, facades, renders, structural diagrams, construction detail of a selected component, and include a paragraph explanations of the options selected.

**Final presentation prep.** Renderings. Class power point. Exhibition Boards. The final review will take place on April 23<sup>rd</sup> from 9.00 am to 4.00 pm with invited guests.

It will include Projects 1, 2 and 3.

## **Bibliography and references**

The professor will provide a number of key articles to be discussed by the students in groups. Relevant books, magazines and websites will be referenced to the class as the Studio virtual Library; Student's collaboration in enlarging this library will be appreciated.

-You Tube multiple historical videos. Construct in groups each an edited 20 minutes long video with commentaries with selected portions.

-Centro for Puerto Rican Studies Data bank <http://centro.hunter.cuny.edu>

Herman Herzberger books

Jane Jacobs *The nature of Economies*

Mario Cucinella Architects website

Renzo Piano Website

BIG website

Scarpa & Brooks website

### **Seminal Articles for general reading**

Alexander, Christopher *The City is not a tree*

J.B. Haldane *On Being the right size*

Harding, Garret *The tragedy of the commons*

United Nations *Sustainable Development Goals*

### **Evaluation criteria**

<b>Class participation and readings discussion</b>	<b>15%</b>
<b>Research capability</b>	<b>15%</b>
<b>Project 1</b>	<b>20%</b>
<b>Project 2</b>	<b>20%</b>
<b>Project 3</b>	<b>20%</b>

Class assistance will be controlled. Each unexcused absence reduces final grade by one grade point. Each class meeting is important for the course. External critics will be in web attendance along the semester

### **Academic Honesty, Software Use, Services for Students with Disabilities, UF**

**Counseling Services** The University of Florida requires all members of its community to be honest in all endeavors. Cheating, plagiarism, and other acts diminish the process of learning. When students enroll at UF they commit themselves to honesty and integrity. Your instructor fully expects you to adhere to the academic honesty guidelines you signed when you were admitted to UF.

As a result of completing the registration form at the University of Florida, every student has signed the following statement:

*"I understand the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."*

Furthermore, on work submitted for credit by UF students, the following pledge is either required or implied:

*"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is to be assumed all work will be completed independently unless the assignment is defined as group project, in writing by the professor. This policy will be vigorously upheld at all times in this course.

#### **Software Use:**

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.

#### **Campus Helping Resources**

Students experiencing crisis or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. Both the Counseling Center and Student Mental Health provide confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal or lacking clear career and academic goals, which interfere with their academic performance. The Counseling Center is located at 301 Peabody Hall (next to Criser Hall). Student Mental Health is located on the second floor of the Student Health Services in the Infirmary.

1. *University Counseling Center*, 301 Peabody Hall,  
392-1575; personal and career counseling: [www.counsel.ufl.edu](http://www.counsel.ufl.edu)
2. *Student Mental Health*, Student Health Care Center,  
392-1171, personal counseling: [www.hsc.ufl.edu/shcc/smhs.htm](http://www.hsc.ufl.edu/shcc/smhs.htm)
3. *Sexual Assault Recovery Services (SARS)*, Student Health Care Center,  
392-1161, sexual assault counseling; and
4. *Career Resource Center*, Reitz Union, 392-1601, career development

Assistance and counseling.

#### **Students with Disabilities Act**

The Dean of Students Office coordinates the needed accommodations of students with disabilities. This includes the registration of disabilities, academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services, and mediating faculty-student disability related issues.

*Dean of Students Office*, 202 Peabody Hall, 392-7066, [www.dso.ufl.edu](http://www.dso.ufl.edu).