

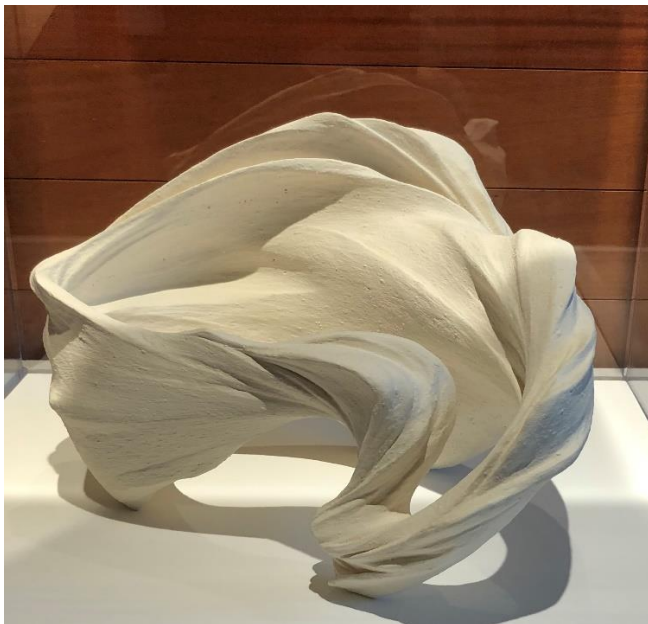
ARC 6399 Graduate **Seminar/** ARC 4930 Undergraduate **Seminar**

**COVID 19 and the Built Environment**

**Syllabus Sinopsis**

Wednesdays 5.10 to 8.10 (10-E1)

## **A turning point**



Fujikasa Satoko (Harn Museum)

**Instructor**      **Professor Martha Kohen**    [mkohen@ufl.edu](mailto:mkohen@ufl.edu)    cell 3524941461

**Spring Semester 2021**      **Hours**    **Thursday's period 6-7-8 (12.50 to 3.50 pm)**

**The Seminar** will be administered synchronously online in the above periods.

Invited possible contributors:

Dr. Ilaria Capua and Dr. Luca Mantegazza (OneHealth Center UF)

Dr. Edwin Melendez Center for Puerto Rican Studies (CUNY)

Dr. Pedro Cardona (Polytechnic University of Puerto Rico)

Prof Frank Bosworth and Assoc. Professor Nancy Clark (SOA DCP UF)

Dr. David Prevatt, ESSI

SOA DCP Graduate Students

This Research and Discussion Seminar course aims to identify the vulnerability components of the Built Environments to the **current compounded threats of Climate Change, Inequities, the Economic uncertainties and the COVID 19 Pandemic**. The construction of an applicable tool such as **a set of Vulnerability Indexes** will help us address, at least from our disciplines through Design, the capabilities of Adaptation to Resiliency, and the Mitigation priorities. Learning both from historical precedents and the documentation of recent developments, we will advance guidelines for the redesign of existing structures, public housing and other dense conglomerates, neighborhoods, transportation systems and Public Spaces, as well as contribute to the adaptation of codes in sensitive situations. By treating the Pandemic as Man Made Disaster, we can follow the recovery functions. This Seminar course will build on **collaborative instances of interdisciplinary nature** with the One Health Center' (IFAS) E-Elbow Submarine, the Interdisciplinary Convergence Initiative' research interests, and the Department of Environmental Engineering (ESSI), integrating the Design: urban and landscape, architectural, and interior design focus, with Public Health studies. The overarching approach is that the current critical issues need to be faced with a systems methodology and interdisciplinary components, while contributing from our specific discipline. We will examine our current reality under the lens of **accelerated trends, induced change, catalyzing of new tendencies, and disruption of established patterns**. The students will team up in subject matters for research and discussion. We will produce an organized digital fascicle and power point presentations for final discussion with external team partners. Students will build on and advance the results of the Fall 2020 Seminar **"Crisis, vulnerability and Design"** that has constructed a data base as a starting platform, to develop Risk Indicators and identify avenues for intervention on mitigation research. In the development of the Seminar, students will select specific typologies for application of research parameters such as public housing, informal neighborhoods, activity hubs, transportation corridors, public spaces.

Case studies for application will include New York, Jacksonville, Miami-Dade and Puerto Rico.

The Seminar will participate of the Puerto Rico Re\_Start 4 International Workshop,( if held,) from March 20 -28 online. It will collaborate with the Jacksonville Graduate Studio, with Design 8 Saint Augustine Studio, and with ongoing Research projects in CHU.

The course addresses graduate and advanced undergraduate students of Architecture, but is open to students from other relevant disciplines. It will be capped at 12 highly motivated individuals that are encouraged to submit a 500-word statement of purpose after registration.

Our reference partners include:

[www.chu.ufl.edu](http://www.chu.ufl.edu)    [www.puertoricorestart.org](http://www.puertoricorestart.org)    <https://centro.hunter.cuny.edu>

[www.onehealth.ifas.ufl.edu](http://www.onehealth.ifas.ufl.edu)

## Calendar for class/+ Workshop

**Week 1 January 13** Precedents study and identification of goals for the Seminar

January 14 Lenzen presentation E-Elbow Submarine. OneHealth center

**Week 2 January 20** Data banks analytics and sectorial distribution of Vulnerabilities factors. Panel discussion with Graduate students Farji, Gomez, Fagan, Keating and Seitzinger.

**Week 3 January 27** Research Teams investigation on sectorial risks, and impact predictability for the Built Environment: climate change, Social Inequities. Economic uncertainties, COVID 19 Pandemia.

Invited contributor Dr. Ilaria Capua, OneHealth Institute IFAS

**Week 4 February 3** Focus on Economic Impact. Invited contributor Dr. Luca Mantegazza, from the One Health Institute

**Week 5 February 10** Focus on European Urban realms, Dr. Scira Menoni Polytechnic of Milan

**Week 6 February 17** Focus on Puerto Rico, Dr. Edwin Melendez, Hunter College, CUNY

**Week 7 February 24** Focus on NY and Jacksonville, Assoc. Professor Nancy Clark, and Professor Bosworth.

**Week 8 March 3** Case Studies: Milan, New York, Miami-Dade, Jacksonville, Puerto Rico, in association with academic and local entities.

**Week 9 March 10** Dr. Pedro Cardona, Workshop preparation and compounded vulnerabilities for Puerto Rico South Eastern areas.

**Week 10 March 17.** Preparation for the Puerto Rico Re Start 4 (March 20-28) International partners coordination with PUPR, UNESCO Chair in Sustainable Urban Quality and Culture and the Rise Up NSF Research Grant

**Week 11 March 24** Workshop Attendance and Organization. The class will deliver a Key note lecture on COVID 19 and the Built Environment, case study Puerto Rico. Attendance is required all full week (20-28) and attendance to other classes will be excused.

**Week 12 March 31** Research compilation

**Week 13 April 7** Research Compilation

**Week 14 April 14** Consignment of final **individual essay** (2000 words) and the class collective **Research Compendia**

## **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).*