**Architectural Design 6 2022**

Course number ARC 3321 Section 0381

Professor Martha Kohen office ARC 262

 Office hours Wednesdays 2.00 to 4.00pm

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Term Spring 2022

Credits 6

Meeting times Monday/ Wednesday / Friday 10.40 to 1.40

Location Studio ARC 418

Partnerships Arch Sarit Sela, City of Gainesville

 Arch Christian Calle, SOA

 Mayor Dr. Helen Miller Consultant (White Springs)

**Introduction to the course**. Please refer to the General Syllabus that is coordinated for all D6 sections regarding the objectives of the Semester. The Semester is devoted to the development of two comprehensive design projects. It will begin with an analytical investigation of a delimited urban context leading to a modest scale intervention in an central context, that is in the process of redevelopment. The site and its definitions will be discussed with Gainesville City Architect Sarit Sela and can suffer alterations and new opportunities.This project will last 5 weeks. The second project will be developed along 9 weeks, allowing for a larger scale proposal and will include public open space as well as the insertion of a new program and a building in a consolidated urban environment. The second project will also begin with the analysis of a larger urban fabric, context and conditions. In both exercises the proposals will seek social equity integration, energy autonomy and be carbon neutral proposals.

A one week Charette will be offered , with overseas components on March 18-28.

**Sites for the Projects.**

The **first** project will be located in South Central Gainesville, Downtown, encompassing the Power District, that is composed by an area limited by the John Kelly Electrical Power Station in the East, SW 2nd street in the South , inclusive of Main, Street, and between SW and SE 4rth Ave and Depot Ave. The Central area of Gainesville is the location where all segments of society converge, and in an purposeful inclusion strategy, students will attempt to develop programs that would collaborate in the inclusion efforts. The area will be redeveloped by Gainesville CRA in a partnership with a private developer., and the City is partnering with the University in reuse proposals for reconversion of the dismissed old Fire Station in Main Street. The site might suffer alterations following recommendations or interests of the City of Gainesville. After the examination of the urban conditions in teams, Students ‘teams (2 or 3) will propose a program and a location for their project that can include some of the following elements: brewery, Tech Company building, retail space, artists’ studios, Homeless shelter, Museum, live entertainment space, affordable residential mixed use, associated with a section of urban public open space. Students will exchange information and views with members of the CRA (Community Redevelopment Agency) and the developers (Cross Street Partners from Baltimore) .The proposal should develop an empty space ,expand or substitute an existing one, and collaborate in redefining urbanity for the district. Total built area will be above 5000 sq.feet

The **Second Project** will be located in Jacksonville Florida and will insert a novel program in relation with an existing historical building or context with the addition of required new areas for the program totaling 10.000 to 20.000 sq. feet. The studio members will travel independently to the site for site analysis after the initial investigation. If conditions allow it, the studio will also join ( for the week of March18 to 27) and participate in an extensive design charrette Puerto Rico Re\_Start 4, in association with team members from Academic Units in Puerto Rico. UF students will be part of an interdisciplinary international team under the established coordinates of an invited Design Lab Director. Sponsorship for the workshop will hopefully cover the displacement of PR students and professors to Gainesville. The Workshop, in a Charrette format, will develop projects in architectural detailed drawings and renders enclosed within the workshop allocated time.

After the PR Workshop charrette experience, students will conclude their Jacksonville project for final presentations in April 18

**Preliminary Calendar**

**Week 1 Jan 5 and 7**

 Classes start/Self introductions/ compulsory readings and discussions in groups

 Individual independent site visits por project 1

 Student teams will visit the area, document the situation and assess oportunities

**Week 2 Jan 10-12-14**

Project 1 development/ urban analysis/ site and program selection

**Week 3 Jan 17-19-21**

Project 1 concept development

**Week 4 Jan 24-26-28**

Project 1 Architectural definitions

**Week 5 Jan 31-Feb 2-4**

Project 1 draft presentation development continues

**Week 6 Feb 7-9-11**

 **Project 1 Final Review February 7 , class time.**

 **Project 1 , adjustments post review February 9**

Project 2 starts February 11. Starts with Precedent analysis and study of

 Bibliography and case studies of Historical downtowns interventions

**Week 7 Feb 14-16-18**

 Project 2 Urban analysis . Independent group Site trips to Jacksonville

**Week 8 Feb 21-23-25**

 Project 2 site analysis and programmatic definitions. Individual or group projects

**Week 9 Feb 28 March 2-4**

 **Initial concepts presentation**

**Week 10 March 7-9-11 Spring Break**

**Week 11 March 14-16 -18**

Project development

**Week 12 March 21-23-25 to 28**

 **Puerto Rico Workshop charrette participation**

**Week 13 March 28 -30 April 1**

 Jacksonville project Advanced Architectural definitions

**Week 14 Apr 4-6-8**

Project Architectural development.

**Week 15 Apr11-13-15**

Project 2 Internal reviews

**Week 16 Final Review April 18 (9.00 to 4.00)**

**Compulsory baseline Readings, to be found in the web**

**1.On Being the right size. 1926 J.B Haldane**

**2.The tragedy of the commons 1968 Garrett Harding**

**3. The city is not a tree. 1965 Christopher Alexander**

**4. The nature of economies. 1989 Jane Jacobs**

**5. Whole knowledge. Ignacio Porzecanski UF SNRE**

**Websites**

[www.chu.dcp.ufl.edu](http://www.chu.dcp.ufl.edu)

www.puertoricorestart.org

State of Florida dashboards

UNICIST Comprehensive data base , County driven

NUL.org State of the Country Report

**Design 6 Studio Pedagogical requirements**

Additional instructions will be provided along the development of the course. The abilities in development in the third year pedagogical process include among others the following aspects that will be reflected in the grading process:

Architectural Composition and organization

Spatial vision and sensitivity to public space

Programming abilities

Architectural representation technique

Integration of environmental techniques and structures

Business/real estate adequacy

Creativity and imagination

Depth of thought and critical analysis

Individual autonomy and team work

Social responsibility and empathy

Industriousness and reliability

**Organization of Design Components and Process**

Main Spaces/ subservient spaces

Interior/ exterior exchanges

Vertical circulation requirements and cores

Service core organization

Facades and roofs performance

Structural definitions

Climate and sustainability adaptation/mitigation/generation

Materiality definitions and its consequences

Use of design guidance elements: linear itineraries, distribution hubs, grid patterns, geometrical generators, study of precedents

Use of representational instruments: sections, plans, facades, details, renderings, axonometric, professional expression and conventions, explanatory diagrams, real estate considerations,

Presentation skills: graphic, oral , digital, power point, video, pointer.

**Urban site analysis components**

Historical development

Landmarks and significant buildings

Vernacular prototypes and materials

Land use evolution and mayor modifications

Codes and regulations/ exceptions/maximum volumetric possibilities

Nature of public space in area/ Green elements

Traffic and parking considerations

Climatic conditions for indoor and outdoor spaces. Orientation, winds , precipitation

Population analysis, evolution, cultural background

Infrastructure and water management

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**Evaluation criteria**

**Class participation and readings discussion 20%**

**Research capability 20%**

**Design Capability 20%**

**Presentations oral 10%**

**Presentations Power point 20%**

**Initiative 10%**

**Conduct expectations**

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 attendance along the semester.

Since we are working in the same Zoom Room Studio, it is essential that you conduct yourself in an appropriate manner. Respect the fact that many people work in the space simultaneously and the work atmosphere must accommodate a range of tastes of language, public conduct and so on. During studio hours and critiques, mobile devices should be silenced or turned off. When working in the Studio outside class, respect the wishes of your fellow classmates by limiting loud boisterous or long cell phone conversations, pet participation or other distractions. If requested take your conversation outside the studio. Be courteous, tolerant and helpful to your peers. Understand that the ZoomRoomStudio is an formal academic workspace; It is not an extension of your private space. In doubts consult the UF Class etiquette for online courses.

<http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideOnlineCourses.pdf>

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**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 it 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**

2. *Student Mental Health*, Student Health Care Center,

392-1171, personal counseling: **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 faulty-student disability related issues.

*Dean of Students Office*, 202 Peabody Hall, 392-7066, **www.dso.ufl.edu.**