

# ARC Design 5 Syllabus

Professor Martha Kohen

Fall 2018 School of Architecture/ University of Florida

June 3, 2018

ARC 3320-9019

Studio Schedule M W F periods 4-6 (10.4am0 to 1.40pm)

Room ARC 422

**OFFICE HOURS** M W 8-9 periods

ARC 262 PH: 352 3921475 mkohen@ufl.edu

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**Invited guest: prof Ron Haase**

**CO-EXISTENCE MAXIMUM Studio**

## Introduction

Architectural Design 5 introduces two fundamental areas of the critical design process. On one hand the understanding and response to more definite functional and technical requirements and on the other hand the consonance of the design process immersed within the natural world. This studio is about deeply understanding our insertion in the landscape, the implications of our design strategies in the surroundings, the development of the sensibility to understand, respect and collaborate with the “natural sites”. 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 Architectural product. With these considerations guiding us, we summarize the key goals of the **Co-Existence Maximum Studio** as:

.Investigating the conditions and particular characteristics of the Florida landscapes, through personal immersion, cultural interpretation and critical focused research.

.Understand the economic, social and cultural meaning of the natural elements, through historical research on the evolving relationship between Man and Nature in Florida.

.Develop design capabilities within the ecological and environmental context exemplified by specific sites, revealing its potential for spatial intervention and mutual enhancement between the natural world and the anthropic experience.

.Continue to develop the design process and critical thinking expertise, inclusive of the technical skills regarding structural and material determinations, reinforcing the unity of the proposal for the site.

.Develop Sustainability sensibility at all levels of engagement, and understand and create inclusive environments, where interior and exterior spaces are creatively resolved.

.Understand the role of buildings and managed landscapes in promoting generative proposals for human spiritual . economic and physical well being

. 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 the Town of Windsor , for projects related to human enjoyment of nature

## **Pedagogical approaches**

Architectural Design 5, the first course of Upper Division, builds on the experience of D1 to D4, refining and articulating your experience for space making. It is understood as a transition course, where we will reinforce cultural relevance, concept development, social meaning and involvement. We will examine the role of the architect as an agent of change and innovation, in particular in the creation of program and form. We will require more advance skills in the coordination between the spatial, structural materials and environmental systems through the adequate representation means (maps, plans, sketches, diagrams, facades and sections, details of connecting moments and models) and the use of digital as well as hand tools.

The composition components will include not only the tectonics of enclosure (floors, roof, walls windows doors , stairs and passages) defining spaces, but an enhanced representation of intermediate spaces and connections between the outside and the inside worlds, the penetration of the construct by the natural elements (wind sun, sound, vegetation and the anthropization of the natural realm by architectural components, as well as the hosting of the natural world by the construct.

The course will demand active intense participation of every student. We welcome collaborative efforts, integrative perspectives, interdisciplinary collaborations, research attitude, social engagement and responsibility. The pace of production will be accelerated, with the development of three distinct projects, and the inclusion of quick charrettes on special ideas. Assistance to studio and grading will be recorded DAILY.

**Woodshop and FabLab orientation. If you haven't attended an orientation, it is imperative that you coordinate a session with the Woodshop Director, and the off campus Fab Lab.**

# Course Schedule (subject to adaptation )

**Weeks 1,2 August 22, to 31**

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

**Investigation 01** Mapping and understanding Florida landscapes through the **Atlas Gazetteer**

The three following investigations will be developed by three groups

**Investigation 02** **Climate as ally** and working condition. Review MCA Architects website

**Investigation 03** **Learning from vernacular.** Ron Haase, William Morgan

**Investigation 04** **Botany as a building material.** research into 8 species.

**Results Presentation: Friday August 31 from 11.15 to 12.45**

12.45 to 1.40 determinations for Project 1

**Weeks 3,4 , 5 and 6 September 5 to 26**

**Project 1.** **Sunset Observatory** at Newnams Lake. Owen Illinois Park

Site visit on your own, documentation, web research, site analysis and interpretation through

Mapping, diagramming, painting, photographs. Program Development. Sustainability

Parameters. Representation tools. Model should be constructed.

Group travel to a Spring of choice with Barbeque/Date to be selected between Sept 15 or 22

**Final review of Project 1 is September 26 class time**

**September 27 Determinations for project 2**

**Weeks 7, 8, and 9 October 1 to 19**

**Project 2** (professor absent in Conference October 1 to 5 )

**Compound planning and programmatic interventions for Owen Illinois Park**

Presentation on results on October 19

**Weeks 10,11,12,13 ,14,15 October 22 to November 30**

**Project 3**

**Architectural design of individually determined program**

**Week 16 December 3**

**Final presentation for External Jury 9.00am to 4.00pm**

## **Bibliography and references**

The professor will provide key articles that will be discussed by the students in groups. Relevant books, magazines and websites will be made available to the class .

**William Morgan**

**Ron Hasse Cracker Architecture**

**Mario Cucinella Architects MCA website**

## **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>10%</b>
<b>Project 3</b>	<b>40%</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 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 faulty-student disability related issues.

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