

Professors: John Stuart  
Class Times: T/R 2:00-6:15, Remote through Zoom  
Office Hours: T/R 12–2PM or by appointment;  
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## **COURSE SYLLABUS**

### **HISTORIC PRESERVATION, SEA LEVEL RISE, AND INSPIRATIONAL RESILIENCY VISIONS FOR MIAMI BEACH IN 2070**

#### **Course Description and Purpose**

Architectural project emphasizing design development, preparation of details, and design documents for buildings of intermediate complexity.

#### **Overview**

This course takes the standpoint that the historic districts in Miami Beach are unique, architecturally-based economic drivers in ways that few other cities in the nation share. But history is itself a process of dynamic change, with many of the buildings on Miami Beach being the first structures on their respective sites. Nearly every historic building that we will study was at one point a dynamic change for the site and neighborhood.

This course helps student to connect the dynamism inherent in the historic architecture and its preservation on Miami Beach, current predictions of future sea level rise, existing resiliency strategies, our changing society, and our newest technologies (like AI) to tease out and articulate through images inspirational resiliency visions for Miami Beach in the year 2070.

#### **Course Organization**

To facilitate the investigation this semester, the course is divided into three parts: 1) A deep dive into the history and existing conditions of an individual building; 2) a vision for how that building might become more resilient given its elevation, building type and land use; and 3) an extrapolation from this research on an individual building and its resiliency strategy to visions of streetscapes, aerial views of the neighborhood, or other larger community views that provide an inspiration for the recommended resiliency strategies.

#### **Part 1: Historic Contexts**

After the course introduction, in this first part of the course—or the deep historical dive—students will construct a detailed history of their building by engaging information provided by the City of Miami Beach on the building cards, and cross-referencing that material with information gleaned in newspaper.com, ancestry.com, and realtor.com, and published references of any sort.

After selecting a building of choice among those with available building cards and located in the study area along Meridian Avenue from Lincoln Road south to Española Way. Students will create narratives (stories or histories) about their selected building that includes reference to the people who were engaged with it. These include designers/architects; owners; builders/contractors; and tenants/condo owners. It will also look at the history of race, and religious and ethnic diversity on Miami Beach. At the end of this part of the course, students should be able to present historic documents and found or redrawn building plans, sections and elevations. Students should know the historic "style" of their building in all of its details and provide a SWOC (strengths, weaknesses, opportunities, challenges) of the building's resilience.

#### **Part 2: Designing for 2070 Resilience**

In the second part of the course, students will study the city's resiliency building guidelines in "[Buoyant City](#)" and other resources related to green and blue infrastructure found on the City of Miami Beach's [Rising Above](#) website. They will also use current sea level rise projections, finished first floor levels (where known) and other details to outline ways in which the buildings can be preserved as it comes into alignment with sea level rise and other climate change predictions. Students should consider taking into account changes to zoning, like building heights, FAR, allowable uses, as they balance those with the necessity to continue to maintain the historic fabric of the district. By the end of this part of the studio, students will have developed, drawn and visualized a resiliency concept design for an individual building or building site in the historic district.

### **Part 3: Inspirational Resiliency Visions: Miami Beach 2070**

Students collectively pull together their individual models into one virtual site model. They will participate in a "test-run" for an international design competition for "Inspirational Resiliency Visions" to be hosted by the City of Miami Beach and FIU and launched in 2021. Students will be in contact with many of the individuals responsible for the development of the international competition. By the end of this third and final part, students will have developed models and renderings of daily life in the historic district in and around their building site that showcases inspirational visions for how the historic district has been preserved just as it has been transformed into a more resilient neighborhood for 2070.

Note: The instructor reserves the right to implement changes to this schedule as required.

#### **Course Objectives**

Upon completing this course, students will be able to:

- Identify new sources of historic research in architecture and environmental shocks and stressors that will impact that historic research
- Compare historic buildings, building fabrics, and environmental conditions in detail.
- Evaluate the efficacy of resilience measures past, present and future, zoning and programs.
- Create visions of resilient daily life in 2070 for the historic district study area that build upon your detailed historical research, green/blue/gray technological innovations, and your responses to predictions for climate change that can inspire new policies that make them happen.

#### **Course Schedule**

**Week 1** Tuesday 08/25 Presentation and Design 10 Lottery in PCA 135. Thursday 08/27 Design studio introduction and Google Maps site walk-through

**Week 2 Monday 08/31 Last Day to Add/Drop Classes.** Tuesday 09/01 Debbie Tackett (Head of Historic Preservation for the City of Miami Beach) intro to Historic Preservation on Miami Beach (2:30-3:30PM). Thursday 09/03 Aris Papadopoulos (FIU Organizer, Inspirational Resiliency Vision Competition) intro to the Inspirational Resilient Vision Competition (2:30-3:30).

**Week 3** Tuesday 09/08 Part 1: Dynamic Research / Historic Conditions (HPB Meeting, 9AM-2PM or longer). Thursday 09/10 Part 1: Dynamic Research / Historic Conditions.

**Week 4** Tuesday 09/15 Part 1: Dynamic Research / Historic Conditions. Thursday 09/17 Part 1: Dynamic Research / Historic Conditions

**Week 5** Tuesday 09/22 Part 1: Designing History for Resilience. Thursday 09/24 Part 1: Designing History for Resilience. (UM Architecture Professor Allan Shulman talk 2:30-3:30PM)

**Week 6** Tuesday 09/29 Part 1: Designing History for Resilience. Thursday 10/01 Part 2: Designing for Resilience. (City of Miami Beach Inspirational Resiliency Vision Campaign team: Amy Knowles, Elizabeth Wheaton, and Tonya Daniels. 2:30-3:30PM).

**Week 7** Tuesday 10/06 **Review: The new past. Data that brings us to the present and into the future.** Thursday 10/08 Part 2: Designing for Resilience: Shocks, Stressors, and Responses.

**Week 8** Tuesday 10/13 Part 2: Designing for Resilience: Shocks, Stressors, and Responses (HPB Meeting, 9-2 or longer). Thursday 10/15 Part 2: Designing for Resilience: Shocks, Stressors, and Responses.

**Week 9** Tuesday 10/20 Part 2: Designing for Resilience: Shocks, Stressors, and Responses. Thursday 10/22 Part 2: Designing for Resilience: Shocks, Stressors, and Responses.

**Week 10** Tuesday 10/27 **MIDTERM REVIEW: Toward an Inspirational Resiliency Vision for 2070** Thursday 10/29 Part 3: 2070 and beyond: Inspirational Resiliency Visions.

**Week 11 Monday, 11/02 Last Day to Drop with DR Grade.** Tuesday 11/03 Part 3: 2070 and beyond: Inspirational Resiliency Visions. Thursday 11/05 Part 3: 2070 and beyond: Inspirational Resiliency Visions.

**Week 12** Tuesday 11/10 Part 3: 2070 and beyond: Inspirational Resiliency Visions. (HPB meeting, 9-2PM and longer).  
Thursday 11/12 Part 3: 2070 and beyond: Inspirational Resiliency Visions.

**Week 13** Tuesday 11/17 Part 3: 2070 and beyond: Inspirational Resiliency Visions. Thursday 11/19 Part 3: 2070 and beyond: Inspirational Resiliency Visions.

**Week 14** Tuesday 11/24 PREFINAL REVIEW Thursday 11/26 **NO CLASS Thanksgiving**

**Week 15** Tuesday 12/01 Part 3: 2070 and beyond: Inspirational Resiliency Visions. Friday 12/04 **FINAL REVIEW (Proposed)**

**Week 16** Tuesday 12/08 Semester review. Thursday 12/10 Semester review

**Week 17 Saturday 12/12 End of Term**

### Important Information

Before starting this course, please review the following pages:

- [Accessibility and Accommodation](#)
- [Academic Misconduct Statement](#)

\*The professor reserves the right to change or modify the syllabus at any time during the semester.

### Co- and Prerequisites

Completion of Graduate Design 9.

### Course Evaluation

Student evaluations will be based upon their articulation of their design process and the visual, written, and oral presentation of their projects. While the student may pass the course by the completing all work required to the satisfaction of the professor, individual initiative and investigation of design and research issues that extend beyond the basic requirements are strongly encouraged. Student work will be evaluated during regularly scheduled critiques and juries. There will be a midterm assessment of the student's progress.

### Print and Fabrication Access

Studio are paperless and physical modeless. A student wishes to print or sheets or models they may do so on a limited appointment basis pending staff and facilities availability.

### Class Standards

Attendance and class participation are required at all class meetings. **Four (4) unexcused absences automatically result in a failing grade for the course.** In the event that you miss a class, you are responsible for all material covered. No late work will be accepted. Absence from the final review will result in a failing grade. Grades will be distributed as follows:

Grade	Points Per Credit Hour
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67

<b>C+</b>	2.33
<b>C</b>	2.00
<b>D</b>	1.00
<b>F</b>	0.00

### **Student Rights and Responsibilities**

"Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook."

It is the student's responsibility to obtain, become familiar with, and abide by all departmental, college and university requirements and regulations. These include but are not limited to:

- The Florida International University Catalog Division of Student Affairs Handbook of Rights and Responsibilities
- Departmental Curriculum and Program Sheets
- Departmental Policies and Regulations

### **Student Work**

Student work submitted to the Department in satisfaction of course or degree requirements becomes the physical property of the Department. However, students retain all rights to the intellectual property of such work. This work may include papers, drawings, models and other materials. The Department assumes no responsibility for safeguarding such materials. At its discretion, the Department may retain, return, or discard such materials. The Department will not normally discard the materials of currently enrolled students without giving the students a chance to reclaim them.

### **Synchronous Remote Teaching**

This class is being taught remotely with Canvas support. This class is being held synchronously at the class meeting times. All students are to attend the class for its entire duration via Zoom or according to faculty instructions. During Zoom meetings all students are to have their cameras on with muted microphones unless otherwise noted.

### **Office Hours**

By appointment only. Contact faculty via Canvas message to set up meeting times. Faculty may set up waiting room zoom meetings.

### **Zoom**

<https://zoom.us>

### **Canvas**

Assignments, announcements, grades, quizzes and other class items will be coordinated through Canvas. Each student is to log on to Canvas prior to each class meeting to get the latest class information.

Student login in at:

<https://canvas.fiu.edu>

**Canvas Support**

<https://fiuhelp.force.com/canvas/s/categories-student>