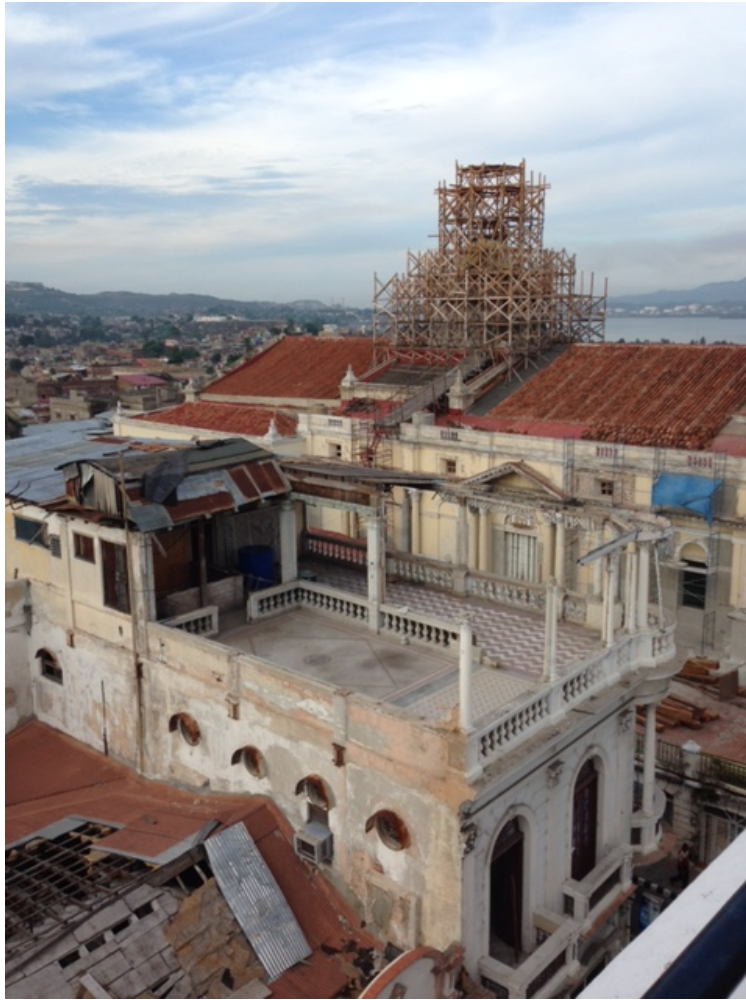
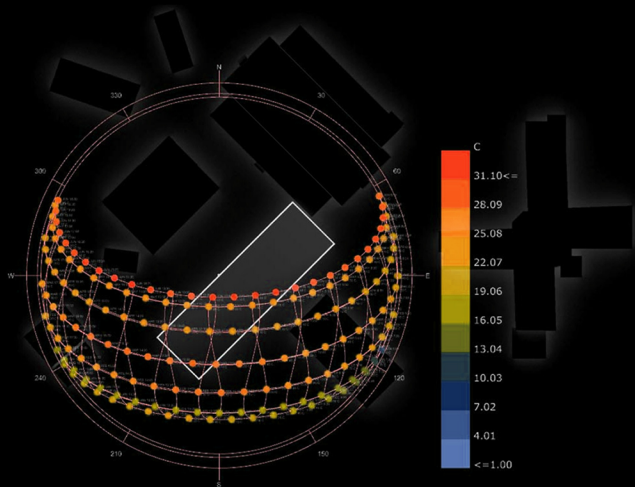


ARC 528/628 Fall 2018
INTRODUCTION TO HISTORIC PRESERVATION
Prof. Jorge L. Hernandez

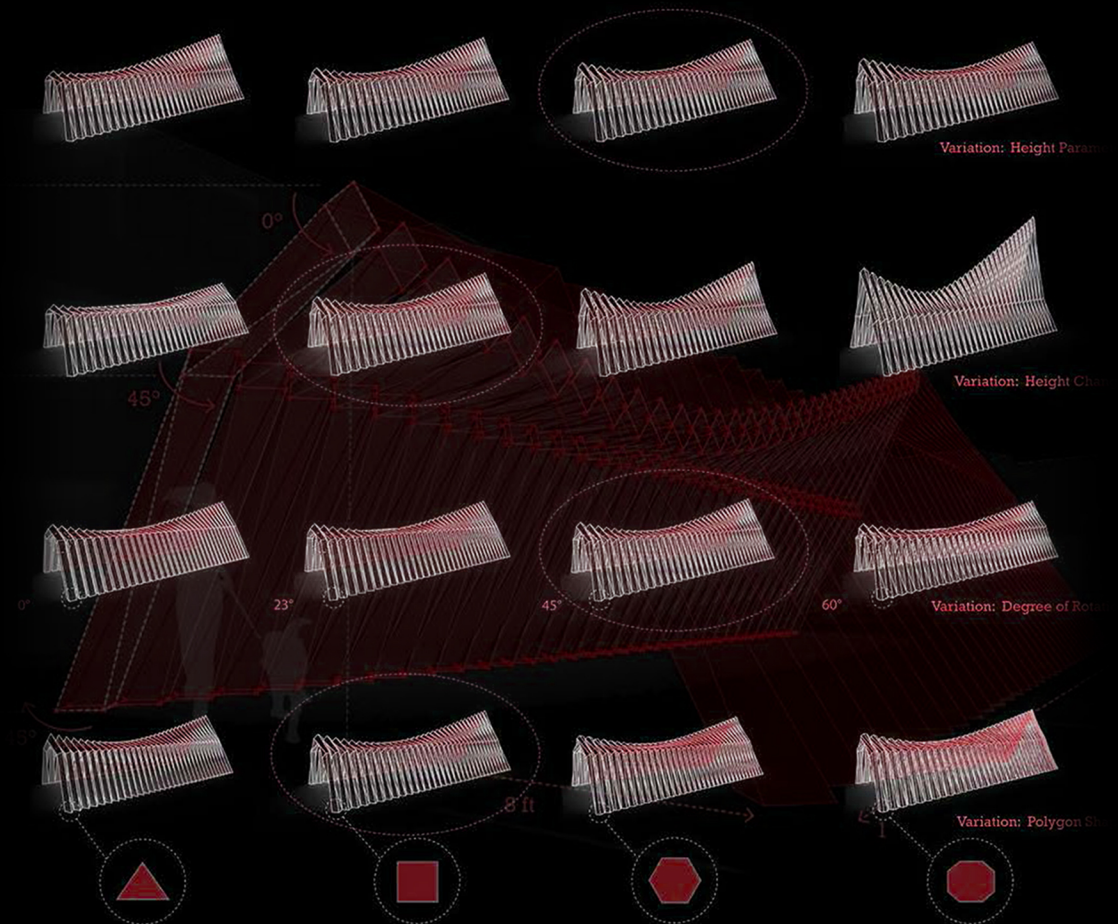
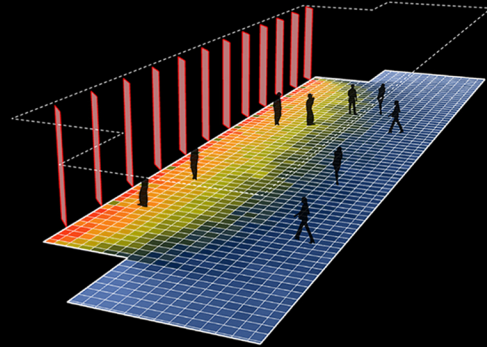


Cathedral of Santiago de Cuba, restoration of the wooden dome

The goal of this historic preservation course is to familiarize students with the foundational concepts, principals and history of cultural heritage stewardship. The course provides a general introduction to the history and theory of historic preservation and includes examples of cultural heritage stewardship fundamental to the engagement of cultural resources planning and management. Instruction is conducted in a lecture and seminar format. Learning resources include selected readings and require that students come prepared to engage in class discussions and debate the topics of each assignment.



Sun-Path Diagram - Latitude: 30.48
Hourly Data: Dry Bulb Temperature (C)
Pensacola Regional Ap_FL_USA



Catalog: Variations in the Defin...

Solar Optimization through Parametrics

The primary objective of the course is to develop digital skills and techniques that are essential in today's architectural profession. This involves both a technical and conceptual understanding of parametric processes and tools for climate optimization. The course will focus particularly on calibrating buildings to address site-specific solar conditions. Students will work with several media including digital parametric software, image editing software, and simulation tools. At the end of this 3-credit course each student should understand the benefits of parametric tools for accurate climate analysis and iterative architectural explorations. As a parallel component to the course, students will be exposed to different graphics techniques and methods of representing data and metrics.

ARC 583/683 B9



Thinking Lines. Drawing Thoughts.

The focus of this course is to teach students skills to successfully develop and communicate thought processes. We will start exploring “the line” as a mode of expression and carrier of meaning. Through “the line”, students will be guided through didactic and challenging exercises exploring eye-hand coordination, gesture, space and composition. A wide range of drawing methods will be covered, allowing students to experiment and incorporate traditional and non-traditional approaches. Subject matter will alternate between figurative and still life, we will draw outside and inside the classroom, shift from dry to wet medium, as well as vary the size and scale of drawings. The course will focus on each student’s personal development, with the sole purpose of enriching their own creative explorations.

Faculty: Gonzalo Fuenmayor
FALL 2018

STUDIES OF LA HABANA

FALL 2018 ARC 546 & 646 TUESDAYS, 5 -7:40 pm



Since 1996, **Studies of La Habana** performed several journeys around Cuba helped by its extensive collection of photographs, maps, drawings, movies and documentaries. The seminar will discuss the new policies implemented by the Cuban government and the future scenarios in the current times of changes.

SOLH will examine the disciplines of PRESERVATION, RETROFIT, RECONSTRUCTION, REHABILITATION, RESTORATION, CONSERVATION, NEW CONSTRUCTION & URBAN CODES.

The students will enjoy Havana's magnificent architecture; its eclectic urban fabric, promenades and gardens, monuments and the vernacular and industrial heritage. The class will attend complementary activities such as field trips, symposiums and lectures. Frequently, notable scholars from Cuba are invited to the class.

In addition to the regular lectures at UM CCS Visualization Lab; the class will attend festivals, exhibitions, plays, concerts, traditional meals, and will take part of diverse cultural events host by local institutions such as the Spanish Cultural Center, CubaOcho Museum and Performing Arts Center and the University of Miami's Cuban Heritage Collection Archives.

(Please watch HBO Fatherland or Death - min 25 <https://youtu.be/DT0IP4YAwdA>)

For further questions please contact Rafael Fornés at (786) 262-7186 or rfornes@miami.edu

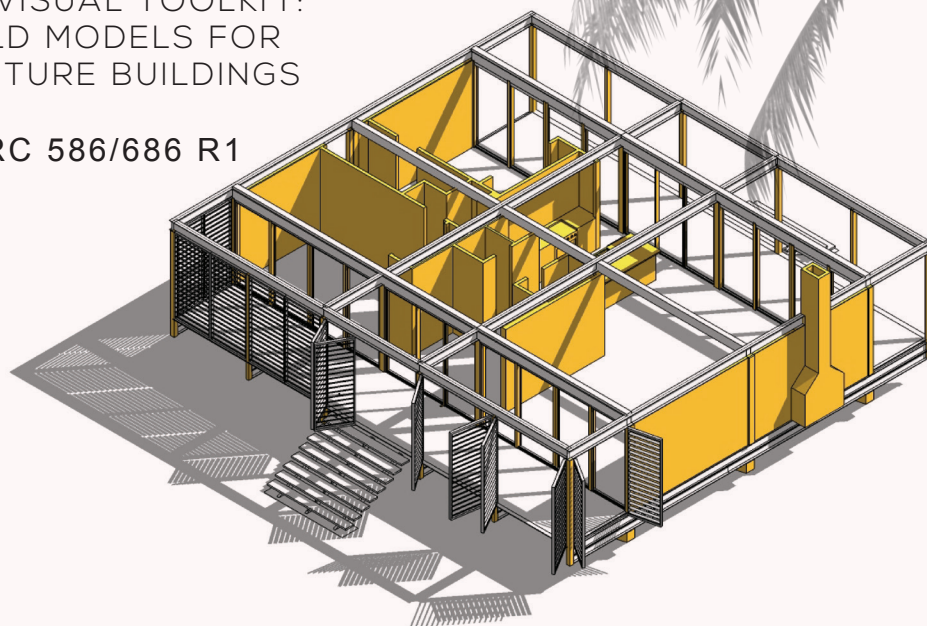
02

UNIVERSITY OF MIAMI SOA

LIVING IN A TROPICAL LANDSCAPE

A VISUAL TOOLKIT:
OLD MODELS FOR
FUTURE BUILDINGS

ARC 586/686 R1



COURSE DESCRIPTION:

This seminar explores the material selection and the systematic (architectonic) assembly of residential architecture designed between the late 1920s through the 1960s. Architects working in different parts of the country developed their own regional interpretations of the International Style by turning to local landscape, climate, and materials to inform their designs. In an era of optimism and experimentation, these architects married building traditions with passive systems, new technologies, and innovative construction techniques. Emphasis on construction methodology was central to their work and became a model for sustainable design, particularly in tropical climates such as South Florida and Los Angeles – as well as in New England.

Students will research local architects and other post-war architects from around the country whose work was sensitive to the climate in which they work(ed). In the course, each student will analyze his or her assigned architect and respective project. Using the original construction documents of the building, each student will then “redraw” and essentially “reconstruct” the structure through axonometric and sectional perspectives. Learning construction through drawing, students will gain a deeper understanding of material assembly, connections, and construction, all in relationship to climate.

Coursework is also designed to impart specific skills associated with the development of architectural ideas as well as their visual representation. These skills range from techniques of hand drafting, to generation of 3-D computer models, diagramming, and computing. Through weekly and bi-weekly exercises, students gain a deeper understanding of the principles that lie at the core of each drawing technique.

FALL 2018 ELECTIVES

urbanismus

jaime correa

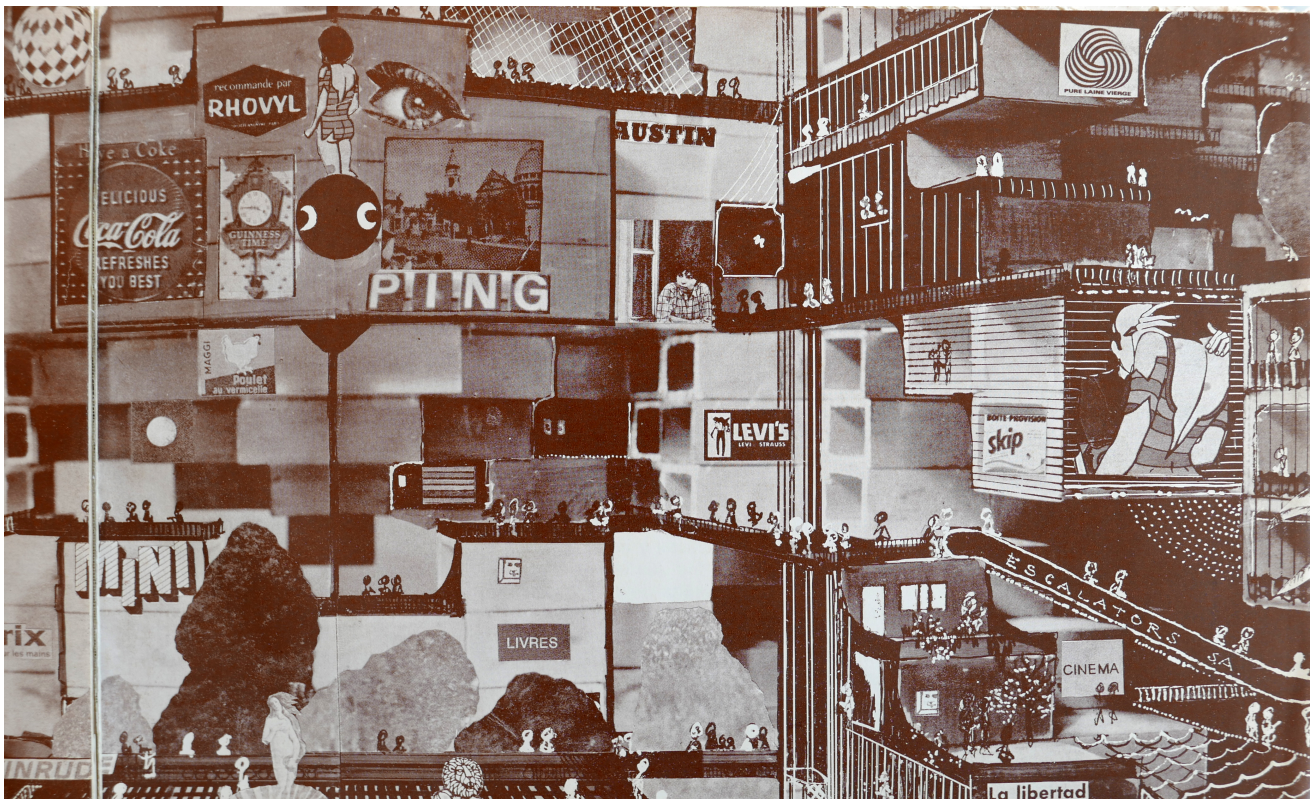
P

**introduction to
urban design
theory and practice**

racticum

IMAGINING THE METROPOLIS

HISTORY & THEORY OF THE 20TH CENTURY CITY
PROFESSOR JEAN-FRANCOIS LEJEUNE
ARC 583/621 P2 (elective BA, MA, required MUD)



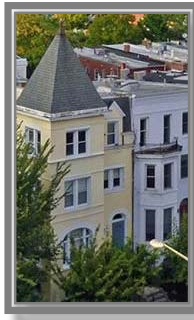
Ricardo Bofill & Taller de Arquitectura, *Ciudad in Espacio*, 1968.

The course is a complement to the History of the City survey (ARC 590). Lectures, films, readings, and students' presentations will focus on the 20th century city, and more specifically on the development of the metropolis. Through a concentration of some of the most important world cities (PARIS, BERLIN, VIENNA, BARCELONA, TOKYO, NEW YORK, ROME, MOSCOW) the course will highlight the realities, ideologies, and utopias of the 20th century metropolis. Among the themes will be the debate between small town and metropolis, the Charter of Athens, Team X, New Towns and Neighborhood Units, Metabolism, Townscape, the Reconstruction of the European City, the Informal City. Students will be asked to use Google Earth and Google View to analyze the streets, the blocks, the squares of selected cities for class presentations and discussions.

CONSTRUCTION MANAGEMENT



LAND



MULTI-FAMILY



OFFICE



INDUSTRIAL



RETAIL

ARC 549 / RED 670

FALL 2018

INSTRUCTOR: VICTOR SANTANA RA, LEED AP

Real estate development is a collaborative, multi-disciplinary effort in which a group of professionals contribute their expertise to a project in a time-sensitive environment. Focusing on the five major development types: Land, Multi-Family, Office, Industrial and Retail; students will be introduced to the stages of development and the life cycle of a project. Due to the complexities of acquisitions, entitlements, financing, regulations, market fluctuations, and construction variances, the management of development projects has become a science. As a result, cost and time estimating tools have been established to assist in resource management and in the execution of projects.

Students will be exposed to the development types; risks and responsibilities of the stakeholders; project organization standards; legal structures, entities and contracts; cost and time estimating methods; and the economics of project financing. Through a series of lectures, invited guest lecturers from the profession and a hands-on term project, students will have the knowledge and understanding necessary to make informed decisions and impact the success of projects.

LECTURE SERIES

ARC 550/650



Site visit to One Thousand Museum Tower By Zaha Hadid Architects

Case studies of current building project types from time of initial formulation through completion, are recorded, analyzed and evaluated. A journal is kept by each student where research, lecture notes, diagrammatic studies, site visits and evaluations are recorded. The journal is the document by which a final grade is determined. The student is exposed to design and building issues of various professional disciplines in South Florida that make contributions to the design process.

PROF. LUISA MURAI

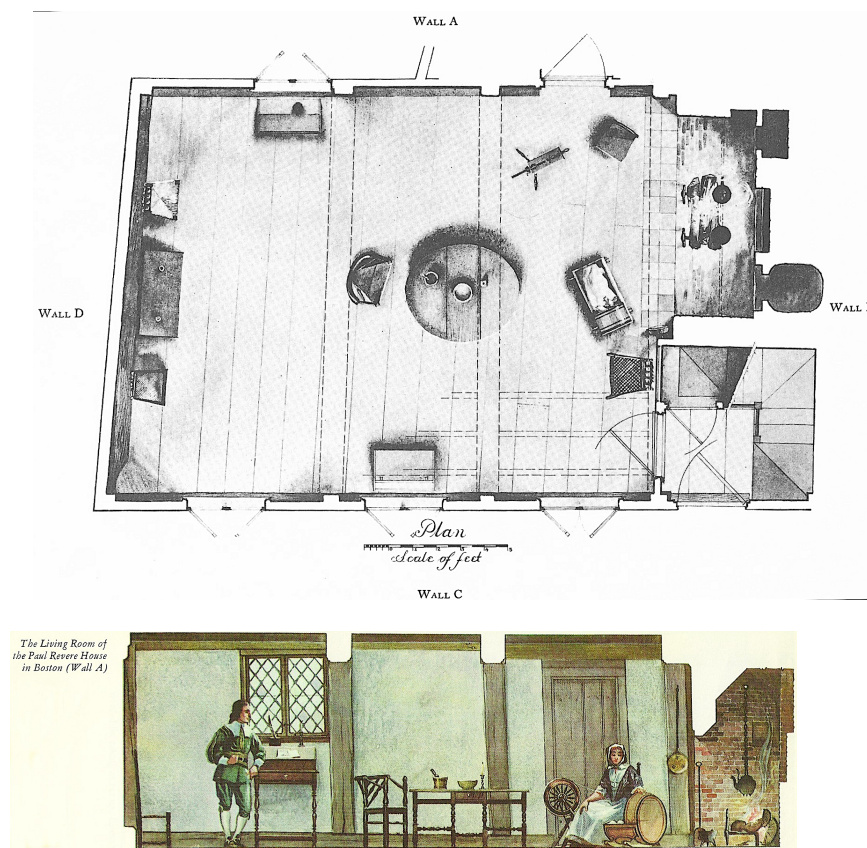
ADVOCACY FOR ARCHITECTS

The Regulation of Land & Design: How to Build the Case for Your Design & Avoid Legal Landmines



This course is an exercise in pragmatism for design and real estate professionals. It aims to increase literacy in the basic legal doctrines that regulate property rights, development, and design. Students receive instruction on the basic elements of successful advocacy, public presentations, and the nuts and bolts of the public hearing approval process. A particular emphasis is placed on the reading of codes together with case studies involving the legal doctrines that architects and developers are likely to confront in their careers. Experts from within the design community are invited to share their first-hand advice and counsel.





Plan and Interior Elevation of wall A, Paul Revere House, Boston, Mass.

The course concentrates on the development of early American architecture, urbanism and architects, primarily but not exclusively during the 17th, 18th and 19th centuries, with particular emphasis on theoretical, technological and cultural developments in America. Architecture is, of all the Arts, the most intrinsically humanistic in that it has a direct and continuing effect with the daily functions of life. A work of architecture is an instrument of living which ranges from its most primitive form as shelter/sanctuary from the environment to the highest levels of aesthetic enrichment and cultural techniques of the built environment. **Our approach on the topics of American Architecture and Urbanism will be focused on two areas of expression, the design and ordering of space, from pragmatic to delight, and the relationship of structure and material to form.** This shall be explored primarily through the analysis of form and the built environment using four attributes relevant to both: **organization of space, proportion, scale and ornamental program.** In addition to the general awareness of the developments of architecture during the period covered, the course is geared toward providing students with the understanding of forces shaping architecture of any period but particularly the importance of theory and practice, which inform the built environment. The most significant intent of the course is the development of students' ability to apply this acquired knowledge and understanding of forces shaping architecture toward their own creative work in school and in their professional careers. The course relies heavily on slide-illustrated lectures, discussions, student research presentations and assigned reading. **On site study of the Architecture of Boston, Mass, and Key West, Florida** shall provide research opportunity and tangible involvement for experiencing "Early American Architecture and Urbanism".

ARC 590/690 HISTORY OF CITIES
Fall 2018
Victor Deupi



This course examines the emergence and development of the city, with a specific emphasis on how urban form is created and transformed over time, and is invested with cultural meaning through architecture and building typology. Our survey begins with the development and evolution of urban form in Western antiquity (Mesopotamia, Greece and Rome), and the contraction and reconfiguration of the cities of classical antiquity in early medieval times and in the Muslim world. We will examine the impact of American colonization and the encounter between the Renaissance dreams of order and the pre-Columbian civilizations. Lectures and readings will then consider the evolution of the Western city from the Baroque period, when the process of European urbanization is rekindled, until the Industrial Revolution. The course ends with new theories about the city (garden city, de-urbanization), Le Corbusier's seminal utopian vision of 1922 for the City for 3 Million Inhabitants, and the great housing developments of the 1920-30s in Germany, Austria, and the United States.

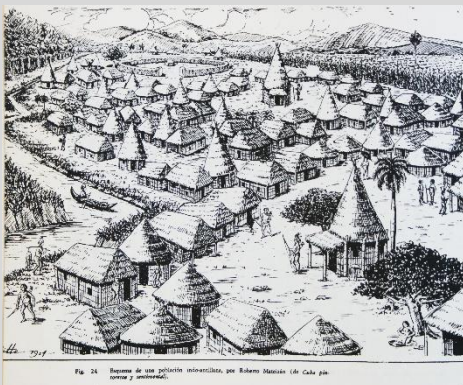
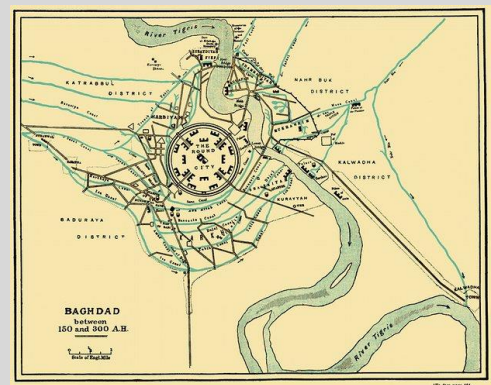


Fig. 24. *Requiem de una población intersticial, por Roberto Mañón (de Caba pía, cívica y ambiental).*



INTRODUCTION TO HOTEL DESIGN AND DEVELOPMENT ARC 581/681 (2 Credits)



FALL 2018 COURSE DESCRIPTION

2 Credit Elective

Tuesdays 6:30-9:30 PM
October 2 - December 4
(No Class October 9,
November 20)

Instructors will include:

Christian Glauser Benz
Vice President, Development
& Acquisitions
Dream Hotel Group, LLC

Hospitality is a cornerstone industry of the South Florida economy and a rich international industry of great scope and variety throughout the world. It also represents one of the most complex challenges blending architecture, interior design, marketing and branding, development and operational dimensions which must be relentlessly integrated and coordinated to deliver compelling, successful places.

This course will provide an introduction to hotel design and development in a seminar format that brings a variety expertise from guest speakers involved in the design, development, market and operational aspects of hotel and resort development. This is a unique business in the field of real estate development involving two different business models. One is for the operations of the hotel and the other is for the real estate interests. There are specific characteristics unique to both models, maximizing the profits from management and the other creating a return on investment that justifies the inherent development risks.

What are the challenges in procuring property, market reports and strategies, related architecture, engineering and interior design, construction budgets and financing, taxation, insurance and operations? In today's markets a hotel is not just a hotel; it can be anything from a hostel type of facility, to a business conference center, to a unique boutique experience, to a luxury branded operation. There are many levels between these genres that vary widely based on what works best for a particular site, market and location. How can the architect maximize the desired requirements of the developers once he has resolved his market requirements?

This course will involve a combination of individual assignments including a critical analysis of a hospitality case study. There is no prerequisite and no formal studio requirement for this course.

For further questions and information
email: mredu@miami.edu

