

# IIT Mexico City

Summer 2013

2 Projects / 2 Metropolis

[www.iitmexico.com](http://www.iitmexico.com)





## Introduction

*“The city to come is more complex than the city as we know it so far, because our culture is simply much more complex as well.”* Weil Arets

For the first time in history, more than 50% of the world's population is hosted in urban areas, most of these metropolises are growing at an accelerating rate, studies show that by 2050 more than 70% of the world's population will live in cities, in the next 30 years urban population will duplicate (World Health Organization), specially in developing countries. The conformation of megalopolis will become the biggest challenge that Architectural Design will face in the next decades.

This rapid growth will generate the need of innovative and intelligent solutions to different aspects of the human activities; efficient and clean transportation, efficient and comfortable spaces, smart connectivity, sustainable waste management, crime prevention, live public spaces in order to persuade against alienation, contain the urban sprawl, densification of the city, just to mention some among the many solutions that Architects will need to provide in order to create a self-sustained environment.

The “unconscious” city is based on activities conducted by individual decisions, although people have a mean to connect through the internet. This hybrid collection of activities represents the biggest problem of the cities today that translate in the search of an alternative to housing as we know it (Arets 2012). Therefore among all the building typologies, the one that is facing most changes influenced by the conformation of megalopolis is the apartment building. It faces the lack of space and the urban densification showing a tendency to verticality. Another important aspect is the use of public transportation and discourage the use of the car, these tendencies will have a direct impact on the Apartment Building program. The quantity, the capacity and specific use of the spaces designated for future types of vehicles will need rethinking also.

Source

Arets, Wiel. Autobiographical References. Birkhäuser, 2012.







## Outline

The project will be addressed to rethink the apartment building, explore innovative ideas that can produce creative solutions to the challenges of the futuristic megalopolis, the students will be encouraged to explore, research and live the different aspects of the Chicago and Mexico City metropolis and speculate about the future in two different scenarios. They will produce a futuristic vision that solves the aspects of the alternative house of tomorrow.

The course will be divided in two parts in each of the two cities. The first part of the course the students will explore the city, specific and general tours will be arranged to observe and perceive the city, prominent examples of the historical relevant architecture of Mexico will be explored, like the ruins of Teotihuacan city that hosted 200 thousand inhabitants 1.5 thousand years ago. On the other hand the contemporary remarkable masterpieces of Barragan, Legorreta, Norten and many other mexican architects will be visited. The students will experience important parts of the culture at markets, public spaces and museums. We will meet a couple of renowned Mexican Architects, at their offices, so they can share their knowledge and experience with the students.

In the city of Chicago we will visit the different examples of apartments buildings from the Architecture of Mies, Goldberg among others, students will visit also contemporary examples of apartment buildings like the Aqua Tower by Studio Gang. Students will also meet a couple of Architectural firms in Chicago.

During this visits students will gather a compilation of sketches, photographs and souvenirs in their sketch book in order to collect ideas and thoughts that could supply inspirational elements for their projects, they will be able to analyze the contexts of two different metropolises and compare the different types of cultures, activities and society.

The second part of the course will include two design Charrettes that will take place on the last days of the second week on each city, in these charrettes the students will apply all the background, knowledge and experience that they already have recollected during the trips on each city. The Charrette in Mexico City will take place in a facility part of the Barragan house and studio. The project will be a conceptual design of an apartment building that responds to the characteristics of each context, a site will be assigned on each city for this exercise; the program and the requirements for the building will be the same for both projects. The intention is that students can generate a series of innovative ideas and a vision of the apartment building of the future in each city as a conceptual and schematic design.

### **Week 1 / Mexico City / June 17 - 21**

#### **Lectures:**

Mexico city  
Mexican Architecture

#### **Visits:**

Historic Architecture examples  
Contemporary Architecture examples  
Apartment Building examples  
Local Culture / Markets / "Barrio" / Public space

#### **Architectural firms**

Deliverables:  
Sketch book  
Notes / Drawings / Sketches / Postcards / Photos / 100p.

### **Week 2 / Mexico City / June 24 - 28**

#### **Lectures:**

Mexico city  
Mexican Architecture

#### **Design Charrette**

Three day workshop at Barragan house-studio facilities, development of conceptual design and schematic design of an Apartment Building of the future solution for the Mexican Metropolis.

#### **Deliverables:**

Digital Presentation  
Models  
Drawings  
Floor plan  
Sections  
Details of Innovative ideas  
Views

### **Week 3 / Chicago / July 1 - 5**

#### **Lectures:**

Apartment Buildings in Chicago  
The Metropolis

#### **Visits:**

Historic Architecture examples  
Contemporary Architecture examples  
Apartment Building examples  
Local Culture / Parks / Public space  
Architectural firms

#### **Deliverables:**

Sketch book  
Notes / Drawings / Sketches / Postcards / Photos / 100p.

### **Week 4 / Chicago / July 8 - 12**

#### **Lectures:**

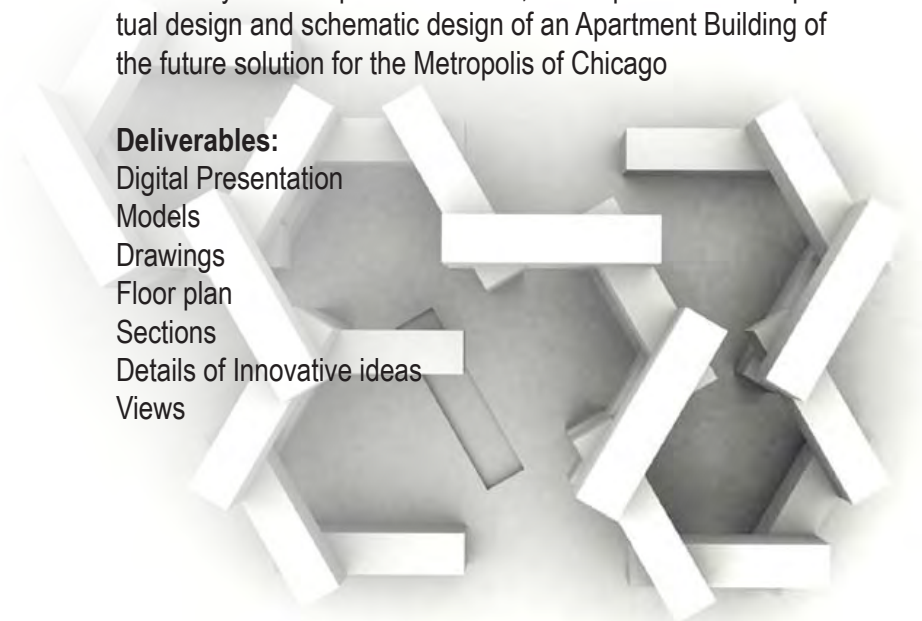
New Urbanism / Urban Acupuncture

#### **Design Charrette**

Three day workshop at IIT facilities, development of conceptual design and schematic design of an Apartment Building of the future solution for the Metropolis of Chicago

#### **Deliverables:**

Digital Presentation  
Models  
Drawings  
Floor plan  
Sections  
Details of Innovative ideas  
Views





### Week 5 / Chicago / July 15 - 19

#### Deliverable:

Final Book, six pages as summary of the course, including sketches, photographs, notes and project. (A template would be provided for that purpose)

The course will be consider as a 3 hour credit elective for students from IIT,

### Week 6 / Chicago (Just ITESM students) / July 22 - 26

#### Visits:

Historic Architecture examples

Contemporary Architecture examples

Local Culture / Parks / Public space

### Students From ITESM Can choose from these courses

VA2010 Tópicos I	3	0	8
AR2006 Proyectos arquitectónicos III	6	0	12
AR2008 Proyectos arquitectónicos IV	6	0	12
AR2010 Proyectos arquitectónicos V	6	0	12



## Mexico City

### Architectural Tours:

Barragan House / Barragan  
Gilardi House / Barragan  
Capuchinas Convent / Barragan Mexico  
Biblioteca Vazconcelos / Kalach  
Hotel Habita / TEN  
Anthropology Museum / Ramírez Vázquez  
UNAM  
City of Arts  
Soumaya / Romero  
Tori Tori / Rodjkind  
Santa Fe / Agustin Hernández

### Historical / Cultural Tours:

Zocalo  
Palace of Fine Arts  
Teotihuacan  
Coyoacan  
Xochimilco  
Museum Frida Kahlo  
Chapultepec  
Condesa Neighborhood

### Architecture Firms

BGP  
Arditti+RDT  
FREE (to confirm)

## Chicago

### Architectural Tours:

University of Chicago  
Downtown  
Oak Park  
Lincoln Park  
Aqua Tower  
Milwaukee Art Museum  
Mies Apartment Buildings

### Historical / Cultural Tours:

Art Institute of Chicago  
River Walk  
Farnsworth House  
Oak Park  
Wicker Park

### Architecture Firms

Studio Gang (to confirm)  
Jahn (to confirm)





**IIT students will enroll to Tec de Monterrey and can transfer the credits as a 3 c/h ARCH elective**

The total cost of the course will be **3,300 USD**

This will cover Tuition at Tec de Monterrey

This fee will cover your accommodations in Mexico City.

Ground transportation to all visits in Mexico City will be covered.

It will not cover any expenses in Chicago

The travel fee will not cover admission tickets to museums and exhibits.

### **BASIC BUDGET**

Travel Fee (lodging and ground transportation)	<b>3,300 USD</b>
Airfare	600
Food	300
Admission Tickets	100
<b>TOTAL</b>	<b>4,300 USD</b>

Some average costs are:

Admission ticket	2.00	USD
Mac meal	3.00	
Coca Cola	0.50	
1 lt of milk	0.80	
5 tacos (complete meal)	2.00	
1 pizza (large)	10.00	
1 lt orange juice	1.00	
1 beer	0.80	
Dinner at a good restaurant	10.00 - 15.00	
1 bottle of water	0.80	

### **ITESM STUDENTS FEE**

The total cost of the course will be 3,300 USD

It includes

Tuition for ITESM students 8 or 12 credits

Lodging at IH Hostel Chicago, semiprivate rooms for two people.

Lodging in Mexico City

All the ground transportation to visits in Mexico city

Does not include Airfare

Does not include meals

Does not include Chicago transportation

Does not include tickets for museums and exhibits

Payment Plan

March 14 500 USD

April 15 1,300 USD

May 14 1,000 USD

June 14 500 USD

### **Airfare**

Approximate cost of airfare 600 USD

Visit [www.volaris.mx](http://www.volaris.mx)

1-866-988-3527

[www.aeromexico.com.mx](http://www.aeromexico.com.mx)

[www.despegar.com](http://www.despegar.com)

[www.travelocity.com](http://www.travelocity.com)





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