

**IBERIAN PENINSULA. LEISURE GROUNDS
2008 SUMMER PROGRAM**

George Hascup, David Syn Chee Mah, Leyre Asensio-Villoria and Manuel Colon-Amador
Daniel de Riva and Richard Carvalhais Preston [TAs]

01. BASIC INFORMATION

Course: Architecture Department Off-Campus Summer Program
Eligibility: Open to all architecture, art, landscape architecture, and engineering students
Dates: JUNE / JULY 2008 [1st June to 31st July]

Faculty: George Hascup, Leyre Asensio-Villoria, David Syn Chee Mah, and Manuel Colon
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Overview:

MOMA N.Y. created a major show of the New Spain...
Many witness the Nueva Iberia as the Holland of the 90's. The culture is intensely arrayed with energy and enormous will to research and develop a new sense of innovation. The huge construction boom of the last decade has given a framework and opportunities for an intersection of emerging structure, space and materiality. The world Exposition at Zaragoza will highlight engineering tectonics (Zaha Hadid-bridge), sustainable installation and water resource design as part of landscape infrastructure.

02. ITINERARY

<u>WEEK</u>	<u>DATE</u>	<u>BASE-CITY</u>	<u>VISITS</u>	<u>ARCHITECTS</u>
W.01	Su JUN 1 ST	Madrid	<u>FLIGHT + ARRIVAL</u>	Richard Rogers
	M JUN 2 ND	Madrid	Madrid.	Jean Nouvel, Herzog & de Meuron, Mansilla y Tuñon, Toyo Ito, MVRDV, I.M Pei, Cesar Pelli, Norman Foster, Dominique Perrault,
W.02	T JUN 3 RD	Madrid	Segovia.	Eladio Dieste <u>INTENSIVE STUDIO SESION</u> <u>INTENSIVE STUDIO SESION</u> <u>INTENSIVE STUDIO SESION</u> Juan Navarro Baldeweg Abalos & Herreros, FOA, Morphosis Torres Lapeña, David Chipperfield Eduardo Arroyo
	W JUN 4 TH	Madrid	Alcala de Henares. Madrid.	
	T JUN 5 TH	Madrid	Madrid.	
	F JUN 6 TH	Madrid	Madrid.	
	Sa JUN 7 TH	Madrid	Salamanca.	
	Su JUN 8 TH	Madrid	Madrid.	
	JUN 9 TH	Madrid	Toledo.	
	JUN 10 TH	Madrid	El Escorial.	
	JUN 11 TH	Granada	<u>BUS TRIP</u> [time 3.5h]	
	JUN 12 TH	Granada	Granada.	
	JUN 13 TH	Sevilla	Sevilla.	
	JUN 14 TH	Sevilla	Cordoba.	
	JUN 15 TH	Sevilla	Sevilla.	
	JUN 16 TH	Sevilla	Sevilla.	
JUN 17 TH	Sevilla	Sevilla.		
JUN 18 TH	Sevilla	Sevilla.		
JUN 19 TH	Merida	<u>BUS TRIP</u> [time 2.2h]	OMA, Herzog & de Meuron, Cruz y Ortiz Calatrava, J. Mayer, Cruz y Ortiz <u>INTENSIVE STUDIO SESION</u> <u>INTENSIVE STUDIO SESION</u> <u>INTENSIVE STUDIO SESION</u> Rafael Moneo	
JUN 20 TH	Évora	<u>BUS TRIP</u> [time 1.75h]		
JUN 21 ST	Lisboa	Elvas Évora, Setúbal, Sesimbra, Almada		
JUN 22 ND	Lisboa	Lisboa		
W.04	JUN 23 RD	Lisboa		Lisboa
	JUN 24 TH	Lisboa		Sintra, Queluz
	JUN 25 TH	Leiria		Leiria, Batalha
	JUN 26 TH	Leiria		Tomar, Fatima, Alcobaca
	JUN 27 TH	Coimbra		Coimbra

	JUN 28 TH	Aveiro	Conimbriga, Santa Maria da Feira, Aveiro	João Mendes Ribeiro, João Luís Carrilho da Graça, Alberto Pessoa
	JUN 29 TH	Porto	Viseu, Peso da Régua, Lamego, Douro Valley	Eduardo Souto de Moura
W.05	JUN 30 TH	Porto	Porto	Rem Koolhaas, Viana de Lima, Grupo3 arquitectura, Cassiano Branco
	JUL 1 ST	Porto	Porto, Matosinhos	Álvaro Siza Vieira, Fernando Távora, Eduardo Souto Moura
	JUL 2 ND	Porto	Bragança, Parque de Gêres	Viana de Lima
	JUL 3 RD	Porto	Braga, Citânia dos Briteiros, Guimarães	Eduardo Souto de Moura, Fernando Távora, Studio GPA, Álvaro Siza Vieira
	JUL 4 TH	Porto	SUMMER BREAK	
	JUL 5 TH		SUMMER BREAK	
	JUL 6 TH		SUMMER BREAK	
W.06	JUL 7 TH	Porto	SUMMER BREAK	
	JUL 8 TH	Santiago de Compostela	<u>BUS TRIP</u> [time 2.5h] Santiago de Compostela	Peter Eisenman, John Hedjuk, David Chipperfield,
	JUL 9 TH	Santiago de Compostela	Santiago de Compostela	Alvaro Siza
	JUL 10 TH	San Sebastian	<u>BUS TRIP</u> [time 7h] 1.LLeon	Mansilla y Tuñon
	JUL 11 TH	San Sebastian	San Sebastian	Rafael Moneo, Eduardo Chillida,
	JUL 12 TH	San Sebastian	<u>Bilbao</u>	Luis Peñaganchegi, Oteiza Eduardo Arroyo, Frank Gehry, Zaha Hadid, Santiago Calatrava, Arata Isozaki, Norman Foster, Federico Soriano,
	JUL 13 TH	San Sebastian	2. Oñati	Saenz de Oiza.
W.07	JUL 14 TH	San Sebastian	San Sebastian.	<u>INTENSIVE STUDIO SESION</u>
	JUL 15 TH	San Sebastian	San Sebastian.	<u>INTENSIVE STUDIO SESION</u>
	JUL 16 TH	Zaragoza	<u>BUS TRIP</u> [time 2h] La Rioja Wineries.	Frank Gehry, Foreign Office Architects Santiago Calatrava, Zaha Hadid, Rafael Moneo
	JUL 17 TH	Zaragoza	1. World Expo 2008	Zaha Hadid,
	JUL 18 TH	Barcelona	<u>BUS TRIP</u> [time 3h]	Gaudi
	JUL 19 TH	Barcelona	Barcelona	Richard Meier, Zaha Hadid,
	JUL 20 TH	Barcelona	Barcelona	Gaudi, Coderch, Frank Gehry, Alvaro Siza
	JUL 21 ST	Barcelona	Barcelona	Norman Foster, Arata Isozaki, Calatrava, Enric Miralles
W.08	JUL 22 ND	Barcelona	Barcelona	Mies van der Rohe, Josep Lluís Sert,
	JUL 23 RD	Barcelona	Barcelona	<u>INTENSIVE WORK SESSION</u>
	JUL 24 TH	Barcelona	Barcelona	<u>INTENSIVE WORK SESSION</u>
	JUL 25 TH	Barcelona	Barcelona	<u>INTENSIVE WORK SESSION</u>
	JUL 26 TH	Barcelona	FORUM Barcelona	Abalos & Herreros, Herzog & de Meuron, Jean Nouvel, Torres Lapeña, Foreign Office Architects, Enric Miralles
	JUL 27 TH	Barcelona	Igualada	
	JUL 28 TH	Valencia	<u>BUS TRIP</u> [time 3.3h]	
	JUL 29 TH	Valencia	Valencia	Kazuyo Sejima, David Chipperfield, Vazquez Consuegra
	JUL 30 TH	Valencia	Valencia	Santiago Calatrava, Felix Candela
	JUL 31 ST	NYC	<u>FLIGHT</u> [time 7.5h]	

* For further itinerary details see Appendix 1.0

03. COURSE LISTINGS

03.I DESIGN COURSES

Course: Arch 300,400,500 (Elective Design Studio)
(for 3rd year B.Arch students and non-departmental students)
Arch 401,402, and 501 Design VII,VIII, and IX (Studio)
(for B.Arch students - 4th year and up)

Credits: 6

Eligibility: (see above as well as program notes below)

Faculty: George Hascup, David Mah, Leyre Asensio-Villoria and Manuel Colon

Email: geh8@cornell.edu, dsm229@cornell.edu, la83@cornell.edu, mac64@cornell.edu

Overview:

The studio will be structured around a series of exercises that will tie the research done through analytical drawings developed during the various visits carried out in a number of cities on the Iberian Peninsula.

Design exercises will be specific to the unique conditions and opportunities that are presented by a number of the Iberian cities. Constructive systems, environmental qualities and the specific urbanism of squares that are specific to these cities will provide the specific parameters and materials from which design speculations on a contemporary adaptation or engagement will be developed by the students.

The specific exercises are:

Project 1. A brick pavilion in Madrid

Drawing inspiration and technical knowledge from the tradition of brick construction in the Castillan region of Spain, the students will design a brick pavilion that will contextualize this rich constructive knowledge into a contemporary program.

Project 2.- A square in Sevilla

Drawing on the rich urban history of squares in the Andalucian region, students will inform a contemporary intervention with the analysis of these traditional forms of urbanism. A contemporary reinterpretation of the square typology in Seville will be the focus of the design exercise drawing on the current momentum for such urban innovation that can be exemplified by the cities current investment in the Metropol Parasol project.

Project 3.- A climatic pavilion in San Sebastian

San Sebastian's specific geographical location within secluded a bay has been the site of many architectural and art responses to the elements of water and wind. From Rafael Moneo's Kursall theatre to Eduardo Chillida's Comb of the Winds, a response to the natural elements has been a source of inspiration to many of San Sebastian's cultural history. The studio will engage with the design of a pavilion on San Sebastian' coastline that engages this tradition of an architectural engagement that simultaneously responds to the climate of the site as well as acting as a devise that amplifies its affect.

Project 4.- Rethinking Gaudi.

Spain's most emblematic architect: Antonio Gaudi, has left a legacy of structural innovation and experiment that still remains relevant to contemporary practice. Students will focus on Gaudi's structural innovations, ranging from the field of catenary arches to ruled line roof structures, in order to produce their specific design response and contemporary application of the Catalan architect's rich array of techniques.

The student will be requested to bring a digital camera and laptop. A course reader will be provided prior to the trip departure.

Bibliography:

MVRDV, 1998, COSTA IBERICA: MVRDV, ACTAR, SPAIN
EL CROQUIS ISSUE NO.51, SPANISH ARCHITECTURE
EL CROQUIS ISSUE NO.62/63, SPANISH ARCHITECTURE 1993
EL CROQUIS ISSUE NO.76, SPANISH ARCHITECTURE 1986/1996
EL CROQUIS ISSUE NO.90, SPANISH ARCHITECTURE 1997/1998

Course: Arch 510* (Thesis Proseminar)
Credits: 3
Eligibility: Prerequisite: ARCH 402

Faculty: George Hascup, Manuel Colon
Email: geh8@cornell.edu, mac64@cornell.edu
Office: 126 Rand Hall

Overview: Development of a student's thesis program arrived at through independent research and seminars dealing with the development and programming a thesis.
Coursework: A thesis program

Course: Arch 110 - Introduction to Architecture: Design Studio
Credits: 3
Eligibility: Open to non-architecture majors in college interested in exploring the field of architecture.

Faculty: George Hascup
Email: geh8@cornell.edu

Overview: Introduction to architecture principles and methods for the materialization of architectural concepts. The students will be developing a series of projects directly linked to different aspects of the trip's theme. The students will explore architectural concepts through an understanding of space, form, function and technology.

03.II ARCHITECTURAL THEORY

Course: Arch 338 Special Topics in Theory of Architecture: *Landscape Urbanism*
Credits: 3
Eligibility: Open to all students

Faculty: David Syn Chee Mah / Leyre Asensio-Villoria
Email: dsm229@cornell.edu / la83@cornell.edu

Overview: The seminar will study a number of exemplary projects in the Iberian Peninsula that are models of the contemporary engagement of urbanism through means and techniques traditionally associated with landscape architecture. In Spain and Portugal, there has recently been a large investment in infrastructure and landscape that has generated many case studies for the recent interests in the efficacy of a landscape approach towards the enhancement of the urban environment. These projects, often generated by the momentum of various festivals and events such as the Olympic Games and World Expos or various other urban initiatives, provide a rich source of strategies that inform both the new potentials for actively restructuring the urban environment and to the growing discipline of landscape urbanism.

The seminar will focus on two main exemplary cities, Madrid and Barcelona while drawing knowledge from other precedents in Spain and Portugal, including Lisbon, Seville and Zaragoza. While Barcelona has invested in the integration of landscape and urbanism to regenerate its urban environment as a result of its hosting the 1992 Olympic Games, World Expo and Forum, Madrid has recently undergone a major restructuring of its infrastructure in anticipation of a number of Olympic bids.

The seminar will examine amongst others projects by FOA, Torres Lapena, Miralles Taglibue at the Barcelona Forum, the Botanical Gardens at Montjuic park by Carlos Ferrater, Abalos & Herreros' park in Barcelona, Miralles park in Barcelona, Toyo Ito's Lagavia park in Madrid, Battle and Roig park in Barcelona and Ecosistema Urbano's park in Madrid.

The student will study the various case studies and develop a report on a specific project outlining the significance of the use of landscape and infrastructure as a way to regenerate different parts of the city.

The student will be requested to bring a digital camera and laptop. A course reader will be provided prior to the trip departure.

Bibliography:

Waldheim Charles, 2006, *The Landscape Urbanism Reader*, Princeton Architectural Press, New York

Mostafavi Mohsen And Najle Ciro, 2002, *Landscape Urbanism: The Machinic Landscape*, Architectural Association, London

Mvrdv, 1998, *Costa Iberica*: Mvrdv, Actar, Spain

03.III ARCHITECTURAL SCIENCE + TECHNOLOGY

Course: Arch 465 Special Topics in Construction: *Iberian Tectonics*
Credits: 3
Eligibility: Open to all students

Faculty: David Syn Chee Mah / Leyre Asensio Villoria
Email: dsm229@cornell.edu / la83@cornell.edu

Overview:

The course will analyze various construction and tectonic systems in the Iberian Peninsula.

This will cover Eladio Dieste's Gaussian vaults in Madrid, Alhambra's patio de los leones mocarabe vaults in Granada, Antonio Gaudi's catenary arches in Barcelona, Miguel Fissac's innovative concrete formwork in Madrid and Felix Candela's shell structures in Valencia.

The course will place a strong emphasis on the definition of the geometry and the systems of control that regulate these complex tectonic systems. Issues such as part to whole relationships will become crucial in the understanding of the proposed models.

The students will record the various tectonic systems during the trip and will develop a report demonstrating a clear understanding of the parameters that regulate the geometric constraints of the proposed models for analyses.

A series of intensive workshops will be set up in various points of the peninsula where the students will find a studio environment where to develop the report of the just recorded models.

The student will be requested to bring a digital camera and laptop. A course reader will be provided prior to the trip departure.

Bibliography:

- EVANS R. 1995. *THE PROJECTIVE CAST. ARCHITECTURE AND ITS THREE GEOMETRIES*. MIT PRESS, CAMBRIDGE, MASSACHUSETTS
- KIERAN S. AND TIMBERLAKE J. 2004. *REFABRICATING ARCHITECTURE*. MCGRAW HILL. USA.
- KOLAREVIC B. 2003. *ARCHITECTURE IN THE DIGITAL AGE. DESIGN AND MANUFACTURING*. SPON PRESS. NEW YORK AND LONDON.
- LYNN G. 1998. *GREG LYNN FOLDS, BODIES & BLOBS COLLECTED ESSAYS*. LA LETTRE VOLEE, BELGIUM
- ALLEN S. *PRACTICE. ARCHITECTURE TECHNIQUE AND REPRESENTATION*.
- EVANS R. *TRANSLATIONS FROM DRAWING TO BUILDING AND OTHER ESSAYS*.

03.IV VISUAL REPRESENTATION

Course: Arch 459 Special Topics in Visual Representation:
Interpellation Photography: (PHOTOLAB-ARCHIVE)
Credits: 3
Eligibility: Open to all students

Faculty: Manuel Colon
Email: mac64@cornell.edu

Overview:

Interpellation photography (PHOTOLAB-ARCHIVE) attempts to define a record of architectural + topographical + urban conditions through the lens of the camera. By employing various photographic montages types (time-lapse photography, stop motion animation (or frame-by-frame), panoramic photography (360°), zoom burst, urban (street) photography (snap shoot), stage photography, Photoshop montage.), the spaces that are documented are not limited by the two-dimensionality of the medium, but can begin to transcend them, adding new levels of spatial, fluid, and experiential qualities inherent in the spaces.

sketch book:

active record (sequence drawings of content) diagrams, axons, plans, sections, maps)

photography quota: 10000 pics

time-lapse photography, stop motion animation (or frame-by-frame), panoramic photography (360°), zoom burst, urban (street) photography (snap shoot), stage photography, Photoshop montage.

time-lapse photography, stop motion animation (or frame-by-frame):

16 frames per second

30 sec = 480 frames

1min = 960 frames

3 min = 2880 frames

5 min = 4800 frames

average exposure time of a frame is 1 sec

16 frames per second x 1min total time lapse = 16 min

Techniques:

Time-lapse photography: cinematic approach in which the each film frame is capture at low rate speed from its playback time (normal rate).

Stop motion animation (or frame-by-frame): animation technique in which an object is physically manipulated to appear to move.

Panoramic photography (360°): a photographic format that creates images with wide variety fields or wide aspect ratios in the image. The images have no formal definition for a specific point and exits within the relative constructed frames relating the objects and fields into the distance (perspectival).

Zoom burst: a technique that exemplifies the object in focus from its background or the background from the object. This technique is involves zooming while the shutter is open.

Urban (street) photography (snap shoot): documentary photography that attempts to define urban life (streets, skylines, parks, gray areas, underground, malls, markets, and other urban settings).

Stage photography: carefully staging and lighting of the picture, rather than the snap or the ready made. (quality of the composition and technique). (typological study)

Photoshop montage: images that been modify and transform in content by montage. (altered notions of content).

COURSE REQUIERMENTS:

8" x 11" Sketch Book + Pencils + Glue Stick

Digital SLR Camera: (preferred): zoom range preferences (28mm + 70mm) or (50mm + 210mm).

Digital Snap Shot Camera: manual settings + zoom capabilities (28mm + 70mm)

List of photographers:

Edward Muybridge
Bernd + Hilla Becher
Mark-Steffen Göwecke
Gordon Matta-Clark
Rollf Blomberg
Anyes Galleani.
Gregory Crewdson
Brassaï (pseudonym of Gyula Halász)
Lisette Model
Aaron Siskind
Robert Capa
Jack Delano
Roman Vishniac
Robert Fran
Gary Winogrand
Charles Harbutt

Cindy Sherman
John Goto
Andreas Gursky
David Hockney
Robert Smithson
Gabriel Basilico

Course: Arch 152 - Drawing II
Credits: 3
Eligibility: Open to all students

Faculty: Manuel Colon
Email: mac64@cornell.edu

Overview:

The students will be introduced to Architectural Tectonic Drawing ranging from Isometric, AE Perspective, Exploded Axonometric. A sketch book will be a critical component of the course.

03.V ADDITIONAL COURSE WORK

Course: Special Investigations (see below for course numbers)
Credits: variable - max 3
Eligibility: Open to all students
Approved Independent Study Form required
(forms available in 139 East Sibley)

Faculty: George Hascup, Manuel Colon
Email: geh8@cornell.edu, mac64@cornell.edu

Overview:

Before the commencement of the program, students may develop an independent study topic with the instructor(s) that addresses a subject not directly covered in the design, theory, or visual representation courses. This may be of a historical or a theoretical nature (although it cannot count as a required history elective). The subject matter of the study may address issues in architecture, urbanism, or landscape but it must be related to the Iberian Peninsula context.

Possibilities:

ARCH 337: Spec. Invest. In Arch. Theory
ARCH 458: Spec. Invest. In Vis. Rep.
ARCH 475: Spec. Invest. In Technology

04. ESTIMATED BUDGET

Program Expenses

04.I TUITION

12 credit hours	\$925/credit hour	\$11,100
Or		
15 credit hours	\$925/credit hour	\$13,875
	Sub total	
	12 crhrs	\$11,100
	15 crhrs	\$13,875

04.II INDIVIDUAL EXPENSES

Airfare (NYC-Madrid)	\$1,000
Accommodation [\$35/night]	\$2,065
Food[\$50/day]	\$2,950
Educational Materials (notebooks, entry fees, etc)	\$ 250
Ground transportation (taxis, bus, etc)	\$ 600
Visa expenses	

Sub total \$6,865

12 crhrs \$17,965
15 crhrs \$20,740

NOTE: Please note that this is an initial estimate. At this point it appears that program expenses will cover car and/or bus fare for field trips, a few special events (group dinners and dinners with local faculty/architects), administrative and teaching materials, and faculty expenses. This initial estimate is based on 20 students.

Also note that if enrollment is not sufficient the program may be cancelled or some adjustments may be needed to course offerings and/or staffing

05. ELIGIBILITY & IMPORTANT PROGRAM NOTES:

- The summer program is open to all students, especially architecture, art, landscape architecture, and engineering. Please, note that Cornell B.Arch students who have yet to complete ARCH 301 and 301 will be eligible by approved petition only.
- Third year Cornell B.Arch students may attend special programs by approved petition only. Third year students must register for **Arch 300** Elective Design, which cannot be applied to the third year design sequence (Arch 301/302). It may be applied to the fourth year design sequence upon successful completion of Arch 301/302 in Ithaca.
- Students are expected to take no less than 12 credit hours. Special permission (by way of approved petition) is required to take more than 12 credit hours.
- Three credit hours are recommended for a variable credit course.
- Only one Cornell foreign summer program can be counted for design sequence credit. Any credit earned at a subsequent Cornell foreign summer program will be applied as elective credit. For rules and regulations concerning Architecture summer programs, refer to the "**College of Architecture, Art, and Planning Student, Faculty and Staff Handbook**".

<http://www.aap.cornell.edu/aap/student-services/upload/2007-08-Handbook.pdf>

06. ACADEMIC INTEGRITY

Each student in this program will be expected to abide by the Cornell University Code of Academic Integrity. Any work submitted by a student in this course for academic credit will be the student's own work.

07. SPECIAL NEEDS

In compliance with the Cornell University policy and equal access laws, we will be available to discuss appropriate academic accommodations that may be required for students with disabilities. Requests for academic accommodations are to be made during the first three weeks of the semester, except for unusual circumstances, so arrangements can be made.

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