



Figure 15. Joan Martines, after 1560, from atlas K20. 18 x 25 cm. (text on page 25).

Joan Martinez, c. 1560

One finds in this world a great deal of injustice but there is one about which no one ever speaks – the injustice of the climate.

-Albert Camus

I admire the poets. What they express with a couple of words; requires a ton of bricks. December 1973

-Villanova Artigas

Beginning in 1492, the American continent was a source of exchange between European sources as interpreted by Priest-Architects and Amerindian cultures. During the 16 C printed books (Serlio's influential treatise, for example) were used by the priest/architects as sources of architecture for the churches they were building for the King of Spain or Portugal. Edicts given by the King established codes for urbanism and individual buildings were drawn and rendered for approval in Seville where they are still to this day in the archives of the city. These "edicts" later called "The Laws of the Indies" were fundamental to the establishment of a common language in all the Spanish Colonies from California to Patagonia. One explanation for the creative and hybrid nature of the Mannerist architecture produced in America could be the remoteness of the frontier. A creative distance from the source coupled with the indigenous Amerindian labor that built these structures and incorporated their own building traditions and iconography. America was divided by Spain and Portugal; split by the Pope into two territories. Jamaica was seized by the English in 1645, under Cromwell, and was formally ceded to England by Spain only in 1670. Soon after the Dutch and the French followed suit. In the New World, American architects often mistranslated the original images

in the books and inadvertently engendered new forms that were contemporary to concerns prevalent in the European capitals at the same time

The modern movement in the Americas is both a natural continuity of this process and a fundamental rupture of this tradition. Architecture built using Amerindian or *mestizo* labor with or without the Islamic building traditions original to Southern Spain, influenced the iconography of the modern movement in Brazil, Venezuela, Cuba, and Mexico.

Using contemporary mapping strategies, together we will create a cultural map of cultural import/exports and influence/counterinfluence between the cities North/South and East/West. There are more questions than answers: How did Latin American architects approach similar problems and how did the climate, technologies, geography or ocean currents influence these exchanges? Can we say that this architecture began as a South-North dialogue? What was the counterinfluence in what became the US of A?

Case studies of the work of prominent Latin American architects will be presented that emphasize the relationship with the human and natural landscapes of different regions of North, Central, Antillean, and South America. Three generations of Pan-American architects will be studied. Not only the usual suspects—Oscar Niemeyer, Amancio Williams, Luis Barragán, Carlos Raul Villanueva and Eladio Dieste, as well as Ricardo Legorreta, Lina Bo Bardi, Rogelio Salmona, Joao Vilanova Artigas and Paulo Mendez Da Rocha—but lesser known in the United States although just as important architects such as Teodoro González de León, Affonso Reidy, Fernando Domeyko, Martín Vegas, Miguel Galia, Francisco Bullrich, Jesús Tenreiro-Degwitz, Jorge Moreira, and Mario Paysee Reyes to the most recent work of Mathias Klotz, Jose Antonio Aldrete-Haas, Enrique Norten, Giancarlo Mazzanti, Smiljan Radic, José Castillo, Alberto Kalach, Alejandro Echeverry and others. Architects from Europe such as: Le Corbusier, Marcel Breuer, Josep Lluís Sert, Richard Neutra, Gio Ponti, Alberto Sartoris, and Aldo van Eyck have made a difference. Architects from English-speaking America: Philip Johnson, Wallace Harrison and Max Abramovitz, Don Hatch, the Olmstead Brothers, SOM, and Paul Lester Wiener have also made a difference. These differences and the flow patterns of these cultural exchanges will be analyzed and their stories will be gathered into one interactive map by the entire class that can help us see all at once the complexity and contradiction inherent in the particular modernity of this large territory.

When, in 1928, Oswaldo de Andrade published his *Manifesto Anthropofago* he gave Brazil a theory that has been the paradigm for the Americas since Cristóbal Colón's accidental discovery of Hispaniola: a metaphorical cannibalism that consumes and reconfigures all foreign ideas brought to this continent by Europeans or Africans mixing with the existing Amerindians ones.

Readings: All assigned readings should be completed for the Tuesday class.

For Spanish speakers there are some additional books listed that are NOT required.

Lectures: Tuesday 11:00am – 1:00pm, Avery 300.

Email: carlos@carlosbrillembourgarchitects.com.

Requirements for the Seminar: one paper on one architect by each student and the class-mapping project.

Optional - The Following Films:

West Side Story, 1960 Music by Leonard Bernstein

Amores Perros, Alejandro González-Iñárritu, México, 2000

Before Night Falls, Julian Schnabel, USA, 2000

Blindness, Fernando Meirelles, USA, 2008

Buena Vista Social Club, Wim Wenders, Cuba, 1999

The Buried Mirror (Chapter 2, The Conflict of the Gods) Peter Newington and Carlos Fuentes, Mexico, 1994

Calle 54, Fernando Trueba, Spain 2000

Central do Brasil, Walter Salles, Brazil, 1998

City of God, Fernando Meirelles, Brazil, 2002

Diarios de Motocicleta, Walter Salles, Brazil, 2004

La Estrategia del Caracol, Sergio Cabrera, Colombia 1993

Fitzcarraldo, Werner Herzog, Germany 1982
 María Llena de Gracia, Joshua Marston, Colombia, 2004
 Memorias del Subdesarrollo, Tomás Gutiérrez Alea, Cuba, 1968
 Pan's Labyrinth, Guillermo Del Toro, Spain, 2004
 Secuestro Express, Jonathan Jakubowicz, Venezuela 2005

LECTURES

Class 01 // Jan 22 // Magical Mystery Tour

What is Latin America? Mapping Strategies from 1492-2013 and Learning from the Yanomami: Anthropology and Architecture.

Required reading:

Brillembourg, Carlos. *Encyclopedia Britannica*, "Latin American Architecture 1493-2000."
 Del Real, Patricio and Gyger, Helen. *Latin American Modern Architectures: Ambiguous Territories*. New York: Routledge, 2013. (introduction)
 Semper, Gottfried. *The Four Elements of Architecture*. Cambridge University Press 1989 pp. 74-130

Suggested reading:

Juan Downey, *The invisible Architect*, Bronx Museum of Art, 2012
 Bennett, Ralph (ed.). *Settlements in the Americas: Cross-cultural Perspectives*. 1993.
 Chagnon, Napoleon. *Yanomami: The Fierce People*. 1968.
 Gutiérrez, Ramón. *Arquitectura del siglo XIX en Iberoamérica, 1800-1850*. 1979.
 Hernández, Filipe, Millington, Mark, and Borden, Iain (eds.). *Transculturation: Cities, Spaces and Architectures in Latin America*. New York: Rodopi, 2005.
 Kubler, George and Soria, Martin. *Art and Architecture in Spain and Portugal and Their American Dominions, 1500 to 1800*. 1959.
 Kubler, George. "El problema de los aportes europeos no ibéricos en la arquitectura colonial latinoamericana," *Boletín del Centro de Investigaciones Históricas y Estéticas*. No. 9 (1968):104-116.
 Lejeune, Jean-Francois (ed.). *Cruelty & Utopia: Cities and Landscapes of Latin America*. Princeton Architectural Press, 2005.
 Levi-Strauss, Claude. *The Savage Mind*. 1966. (Chapter: The Science of the Concrete)
 Lizot, Jacques. *Tales of the Yanomami: Daily Life in the Venezuelan Forest*. Cambridge University Press, 1976.
 Moure, Ernesto, and Téllez, Germán. *Repertorio formal de arquitectura doméstica, Cartagena de Indias, época Colonial*. Bogotá: Corporación Nacional de Turismo, 1982.
 Palm, Erwin Walter. "Perspectivas de una historia de la arquitectura colonial hispanoamericana," *Boletín del Centro de Investigaciones Históricas y Estéticas*. No. 9 (1968): 21-37.
 Portoghesi, Paolo. "La contribución americana al desarrollo de la arquitectura barroca," *Boletín del Centro de Investigaciones Históricas y Estéticas*. No 9 (1968): 137-146.
 Roca, Miguel Angel (ed.). *The Architecture of Latin America*. Academy Editions, 1995.
 Zweig, Stefan. *Amerigo: A Comedy of Errors in History*. 1942.
 "Las influencias indígenas en la arquitectura colonial de hispanoamérica," *Boletín del Centro de Investigaciones Históricas y Estéticas*. No. 4 (1956): 75-80.
<http://bombsite.com/issues/117/articles/5991> Interview with Peter Eisenman

Class 02 // Jan 29 // Froth on the Daydream

Critical Regionalism, Post-Colonialism, Post-Structuralism, and the Atomic Bomb: How did the explosions in Hiroshima and Nagasaki register in the architecture of this territory?

Required Reading:

Brillembourg, Carlos. "Architecture and Sculpture: Villanueva and Calder's Aula Magna," in Brillembourg, Carlos (ed.). *Latin American Architecture, 1929-1960: Contemporary Reflections*. Monacelli Press, 2004.

Brillembourg, Carlos. "The New Slum Urbanism of Caracas, Invasions and Settlements, Colonialism, Capitalism and Devil Worship." *Extreme Sites: The 'Greening' of Brownfield*. Architectural Design 74, No.2 (March/April 2004): 77-81.

Brillembourg, Carlos. "Origin Myths in Architecture." *Architect's Newspaper*, May 31, 2011.

Hernández, Felipe. *Bhabha for Architects*. Taylor & Francis, 2010.

Suggested Reading:

Bhabha, Homi K. *The Location of Culture*. Routledge, 1994.

Guagnini, Nicolás. "Feedback in the Amazon." *October Magazine*, No. 125 (Summer 2008): 91-116.

Maldonado, Tomas. *Design, Nature and Revolution: Toward a Critical Ecology*. Harper & Row, 1970.

Said, Edward W. *Orientalism*. Vintage Books, 1978.

Smith, Valerie, Taussig, Michael, Garcia, Isabel, Downey, Juan. *Juan Downey: The Invisible Architect*. Bronx Museum of the Arts, 2011. (catalog of the 2012 Bronx Museum exhibition)

Taussig, Michael T. *The Magic of the State*. Psychology Press, 1997.

Verne, Jules. *Le Superbe Orénoque*. 1897.

Žižek, Slavoj. *The Sublime Object of Ideology*. New York: Verso, 1989.

Class 03 // Feb 5 // On Board

New World Cities Case Studies: (A) Port Cities: Veracruz, Cartagena, Colon, Maracaibo, La Guaira, Port of Spain, Havana, Rio de Janeiro, Buenos Aires, Montevideo. (B) Capital Cities: Cuzco, Lima, Antigua Guatemala, Bogotá, Caracas, Mexico, D.F., (C) Mission Cities: Northern Argentina, Paraguay and Brazil (D) Military Fortifications: El Morro de Santiago de Cuba, El Morro de La Habana, Orinoco, Margarita, (E) Pre-Colombian gridded cities: Cholula, and Cuzco (F) Mining Cities: Guanajuato, Taxco, (F) Caracas: Towards a new city 1937-1959.

Required Reading:

Brillembourg, Carlos. "Caracas: Towards a New City 1938-1958." *Archivos De Arquitectura Antillana*, No. 034, Caribbean Modernist Architecture. Utech Jamaica/MoMA, (2008): 102-119.

Von Humboldt, Alexander. Letters to his brother Wilhelm: "Observations on the electric eel of the new world" and his letter as he is leaving the port of Cumana in Venezuela, 17th of October, 1800.

Suggested reading:

Almandoz, Arturo (ed.) *Planning Latin America's Capital Cities 1850-1950*. Routledge, 2002.

Brewer-Carias, Allan R. *La Ciudad Ordenada*. Caracas: Criteria, 2006.

Gasparini, Graziano. *América, Barroco y Arquitectura*. Armitano, 1972.

Gasparini, Graziano, Montás, Eugenio Pérez. *Arquitectura Colonial Iberoamericana*. Armitano Editores, 1977.

Gasparini, Graziano and Posani, Juan Pedro. *Caracas a través de su arquitectura*. 1969.

Gasparini, Graziano. *La arquitectura colonial en Venezuela*. 3rd ed. Ernesto Armitano, 1985.

Gutiérrez, Ramón. *Arquitectura y Urbanismo en Iberoamérica*. 4th ed. Cátedra, 2002.

Iñiguez, Diego Angulo. *Planos de monumentos arquitectónicos de América y Filipinas existentes en el Archivo de Indias*. Vol 7. Universidad de Sevilla, 1933-39.

Kelemen, Pal. *Baroque and Rococo in Latin America*. 2nd ed., 2 vol. Dover Publications, 1967, reissued 1977.

Kubler, George. "Mexican Urbanism in the Sixteenth Century." *The Art Bulletin* 24, Vol. 2 (June 1942): 160-171.

Markman, David. *Colonial Architecture of Antigua, Guatemala*. Philadelphia: American Philosophical Society, 1966.

Vegas, Martín, Paolini, Ramón, Vegas, Federico. *Pueblos: Venezuela, 1979-1984*. Fundación Polar, 1984.

Class 04 // Feb 12 // Hard as a Rock

Carioca: The School of Rio: How did Le Corbusier's lectures in BA, Montevideo, and Rio (fall of 1929) influence the Brazilian architects? The Ministry of Education building 1938 and case studies of the first generation of modern architects from Rio: Lucio Costa, Oscar Niemeyer, Affonso Reidy, Jorge Moreira, M.M.M. Roberto, Bernard Rudofsky and Henrique Mindlin.

Required Reading:

Goodwin, Philip L. *Brazil Builds Architecture, New and Old 1562-1942*. 2nd ed. New York: The Museum of Modern Art, 1943.

Le Corbusier. *Precisions: On the Present State of Architecture and City Planning*. Cambridge: The MIT Press, 1991.

Suggested Reading:

El-Dahdah, Farès (ed.). *Case: Lucio Costa, Brasilia's Superquadra*. Presel, 2005.

Fraser, Valerie. *Building the New World, Studies in the Modern Architecture of Latin America, 1930-1960*. London, New York: Verso, 2000. (Chapter 3: Brazil – pp 144-255)

Hitchcock, Henry Russell. *Latin American Architecture Since 1945*. New York: The Museum of Modern Art, 1955. (pp 11-63)

Mindlin, Henrique E. *Modern Architecture in Brazil*. New York: Reinhold Publishing Corp., 1956.

Nobre, Ana Luisa, Kamita, João Masao, Leonídio, Otavio, and Conduru, Roberto (orgs.). *Lucio Costa, Um Modo De Ser Moderno*. Cosac & Naify, 2004.

Papadaki, Stamo. *Work of Oscar Niemeyer*. New York: Reinhold Publishing Corp., 1950.

Papadaki, Stamo. *Oscar Niemeyer: Works in Progress*. New York: Reinhold Publishing Corp., 1956.

Papadaki, Stamo. *Oscar Niemeyer*. New York: George Braziller, 1960.

Underwood, David. *Oscar Niemeyer and Brazilian Freeform Modernism*. New York: George Braziller, 1994.

Class 05 // Feb 19 // Sharp as Knives

Paulista: The school of São Paulo 1927-2012: Case studies of Gregori Warchavchik, João Vilanova Artigas, Paulo Mendes da Rocha, Lina Bo Bardi, and others.

Required Reading:

de Andrade, Oswaldo Manifesto Anthropogafico

Suggested Reading:

Artigas, João Vilanova and Frampton, Kenneth. *2G N54 João Vilanova Artigas*. Gustavo Gili, 2010.

Artigas, Rosa. *Paulo Mendes da Rocha, Projects 1957-2007*. New York: Rizzoli, 2007.

Bastos, Maria Alice Junqueira and Zein, Ruth Verde. *Brasil: arquiteturas após 1950*. Perspectiva, 2010.

Bottineau, Yves. *Living Architecture: Iberian-American Baroque*. New York: Grosset & Dunlap Publishers, 1970.

Brazil, Álvaro Vital. *50 Años de Arquitectura*. São Paulo: Nobel, 1986.

Bruand, Yves. *Arquitetura Contemporânea No Brasil*. 5thed. Perspectiva, 1981.

Cavalcanti, Lauro. *When Brazil Was Modern: A Guide to Architecture 1928-1960*. Princeton Architectural Press, 2003.

Staff, Equipo. *Vilanova Artigas*. Instituto Lina Bo e P.M. Bardi, 1999.

Class 06 // Feb 26 // Wrong Side of the Tracks

Mexican modern architecture between Nationalism and Abstraction: Case studies architects: Mario Pani, Pedro Ramírez Vázquez, Barragán, Legorreta, and artists Diego Rivera, Gabriel Orozco, the avante-garde immigrants: Trotsky, Leonora Carrington, Edward Weston, etc.

Required Reading:

Brillembourg, Carlos. *Luis Barragán: Chapel at Talpan*. Bomb Magazine 52 (Summer 1995): Can be found at bombsite.com.

Zanco, Federica (Ed.). *Luis Barragán: The Quiet Revolution*. Skira, 2001.

Gallo, Ruben. *Mexican Modernity*. MIT Press 2005 Chapter I. Media and Modernity in Mexico

Suggested Reading:

Adriá, Miquel. *Teodoro González de León: Obra reunida*. Conaculta, 2010.

Ambasz, Emilio. *The Architecture of Luis Barragán*. The Museum of Modern Art, 1976.

Bolaño, Roberto. *Los Detectives Salvajes*. 8th ed. Vintage, 2008.
 Fuentes, Carlos. *La región más transparente*. Alfaguara, 1958.
 Gallo, Rubén. *Mexican Modernity: The Avant-Garde and the Technological Revolution*. The MIT Press, 2005.
 Martínez, Antonio Riggen. *Luis Barragán: Mexico's Modern Master, 1902-1988*. The Monacelli Press, 1996.
 Toor, Frances. *A Treasury of Mexican Folkways*. Crown Publishers Inc., 1957.

Class 07 // Mar 5 // Clear as a Bell

Villanueva's University City 1940-1975.

Required Reading:

Brillembourg, Carlos (ed.). *Latin American Architecture 1929-1960: Contemporary Reflections*. New York: The Monacelli Press, 2004. (pp 60-73)
 Villanueva, Paulina and Pinto, Macia. *Carlos Raul Villanueva*. Princeton Architectural Press, 2000.

Suggested Reading:

Alberti, Rafael. Poem: "Costas de Venezuela."
 Alcock, Walter James, Gómez, Hannia, and Araque, William Niño. *Alcock: Obras y Proyectos 1959-1992*. Caracas: A Fundación Galería de Arte Nacional, 1992.
 Berrizbeitia, Anita. *Roberto Burle Marx in Caracas: Parque Del Este 1956-1961*. Philadelphia: University of Pennsylvania Press, 2005.
 Damaz, Paul F. *Art in Latin American Architecture*. New York: Reinhold Publication Corp., 1963.
 Dembo, Nancy. *La Tectonica en la Obra de Carlos Raul Villanueva, Aproximación en tres tiempos UCV*. FAU Press, 2006.
 Moholy-Nagy, Sibyl. *Carlos Raul Villanueva y La Arquitectura de Venezuela*. Stuttgart: Verlag Berd Hatje, 1964.
 Sato, Alberto. *José Miguel Galia, Arquitecto*. Museo de Bellas Artes, 1992.
 Vegas, Federico. *Venezuelan Vernacular*. Princeton Architectural Press, 1985.

Class 08 // Mar 12 // Sowing the Oil

New Urbanisms 1954-1960: CIAM "heart of the city": Puerto Ordaz and Ciudad Guayana 1954-1975, Town Planning Associates and The Joint Center Harvard-MIT, and the construction of a new capital Brasilia: Lucio Costa, Niemeyer and Roberto Burle Marx.

Required Reading:

Appleyard, Donald. *Planning A Pluralist City: Conflicting Realities in Ciudad Guayana*. The MIT Press, 1976. (introduction)
 Wiener, Paul Lester and Sert, José Luis. "The Work of Town Planning Associates in Latin America 1945-1956." *Architectural Design* 27:6 (June 1957): 190-213.
<http://bombsite.com/issues/86/articles/2604> Interview Jesus Tenreiro-Degwitz
 Brillembourg, Carlos, *A Day In Brasilia* bombsite.com

No Class // Mar 19 // Spring Break

Class 09 // Mar 26 // Pre and Post Castro

Havana 1940-1965.

Required Reading:

Rodriguez, Eduardo Luis. *The Havana Guide, Modern Architecture 1925-1965*. Princeton Architectural Press, 2000.

Roberto Segre. Antillean Architecture of the First Modernity: 1930-1945 in Latin American Architecture 1929-1960. Op. cit.

Suggested Reading:

Carpentier, Alejo. La Guerra del Tiempo. 1956.

Martí, José. José Martí: Obras completas. Edición crítica. Editorial Nacional de Cuba, 1963-1964.

Rodríguez, Eduardo Luis (ed.). La Arquitectura del Movimiento Moderno Selección de Obras del Registro Nacional. Ediciones Unión, 2011.

Segre, Roberto, Cárdenas, Eliana and Aruca, Lohiana. Historia de la arquitectura y del urbanismo: América Latina y Cuba. 2nd ed. Pueblo y Educación, 1986.

Class 10 // April 2 // Between Abstraction and Universal Constructivism.

Buenos Aires and Montevideo.

Required reading:

Bullrich, Francisco. New Directions in Latin American Architecture. New York: George Braziller, 1969.

(Argentina: pp 30-34, Urban Utopia and Reality: pp 35-48)

Liernur, Jorge Francisco. "Abstraction, Architecture and the 'Synthesis of the arts' debates in Rio de la Plata 1936-1956." Brillembourg, Carlos (ed.). Latin American Architecture 1929-1960: Contemporary Reflections. New York: The Monacelli Press, 2004.

Suggested Reading:

Liernur, Jorge Francisco. Arquitectura en la Argentina del siglo XX, La construcción de la modernidad. Fondo Nacional de las Artes, 2001.

Pastore, Daniela (ed.). Argentina Architecture. Gangemi Editore, 1998.

Segre, Roberto. La evolución de la vivienda en Buenos Aires 1963-64. Universidad de la Habana, 1974.

Torres-Garcia, Joaquin. Universalismo Constructivo. Buenos Aires: Poseidón, 1944.

Williams, Claudio. Amancio Williams. Buenos Aires: Archivo Amancio Williams, 1990.

Class 11 // April 9 // Urban Architecture

Bogotá and Medellín: Politics, Planning and Architecture 1953-2012.

Required Reading:

Paul Lester Wiener and Jose Luis Sert ,The Work of Town Planning Associates In Latin America 1945-1956, Architectural Design June 1957

Website: DESIGN-4-LIFE, a one-day event organized by the Department of Architecture to bring architects and politicians from Colombia and Venezuela to talk about the relationship between architecture and urban development in Latin American papers from Wentworth University

http://www.wit.edu/designingforlife/Site/Designing_For_Life.html

Kimmelman, Michael NYTimes articles:

"A City Rises, Along With Its Hopes," May 18th, 2012.

"Past Its Golden Moment, Bogotá Clings to Hope," July 5th, 2012.

<http://bombsite.com/issues/110/articles/3368> Mazzanti and Fajardo Interview

<http://bombsite.com/issues/94/articles/2798> Jose Castillo Interview

Suggested Reading:

Diaz, Hernan. Cartagena y la Casa de Huespedes Ilustres de Colombia, Arquitecto Rogelio Salmona. 1986.

Marquez, Gabriel Garcia. Cien Años de Soledad, y/o Amor en los Tiempos de Cholera. Editorial Oveja Negra, 1985.

Apóstol, Alexander. Modernidad Tropical: Colección Arte Arquitectura AA Musac. Actar, 2010.

AD New Slum Urbanism. Op. cit.

Class 12 // Apr 16 // Straight as an Arrow

*Contemporary Architecture in Chile 1980-2013.***Required Reading:**

Comas, Carlos Eduardo Dias. "Latin American Architecture: A New Generation." *Nexus* 8, 66, 1998.
Hernández, Felipe. *Beyond Modernist Masters: Contemporary Architecture in Latin America*. Birkhäuser Architecture, 2010. (introduction)
<http://bombsite.com/issues/106/articles/3247> Smilan Radjic interview
<http://bombsite.com/issues/98/articles/2861> Alberto Kalach interview

Suggested Reading:

Comas, Carlos Eduardo Dias, and Adria, Miguel. *La Casa Latinoamericana Moderna 20 Paradigmas de mediados de siglo XX*. Editorial Gustavo Gili, 2003.
Pendleton-Jullian, Ana M., The Road That Is Not Taken, and the Open City, Ritoque, Chile MIT 1996
Quantrill, Malcolm (ed.). *Latin American Architecture: Six Voices*. Texas A&M University, 2000
Quantrill, Malcolm (ed.). *Chilean Modern Architecture Since 1950*. Texas A&M University, 2010.
Vallejo, Cesar. *Obras Completas*.

Class 13 // Apr 23 // In Fact

*Tectonics of Re-enforced Concrete and Steel in the work of Cipriano Domínguez. Carlos Raul Villanueva, Oscar Niemeyer, Vilanova Artigas, Paulo Mendes Da Rocha, Eladio Dieste, Félix Candela and Lina Bo Bardi.***Required Reading:**

Frampton, Kenneth. *Studies in Tectonic Culture: The Poetics of Construction in Nineteenth and Twentieth Century Architecture*. The MIT Press, 1995. Chapters 1, 2, and 3
<http://bombsite.com/issues/102/articles/3048> Paulo Mendes Da Rocha interview
<http://bombsite.com/issues/77/articles/2421> Raimund Abraham Interview
Dieste, Eladio. *Innovation in Structural Art*. Stanford Anderson (ed.). Princeton Architectural Press, 2004.

Suggested Reading:

Casares, Adolfo Bioy. *La Invención de Morel*. Editorial Losada, 1940. (last chapter)
Peattie, Lisa. *Planning, Rethinking Ciudad Guayana*. University of Michigan Press, 1987.
Sert, J. L. and CIAM. *Can Our Cities Survive? An ABC of Urban Problems, Their Analysis, Their Solutions*. Cambridge: Harvard University Press, 1942.
Sert, Josep Lluís. *The Architect of Urban Design 1953-1969*. Yale University Press, 2008.
Tyrwhitt, J., Sert, J.L. and Rogers, E.N. (eds.). *The Heart of the City: Towards the Humanization of Urban Life*. Pelligrini and Cudahy, 1952.