



## National Taiwan University of Science and Technology

### 2021 Winter Program

#### ARLH 208 Modern Architecture II: 1900-Present

#### Course Outline

**Course Code:** ARLH 208

**Instructor:** Prof. John Odhiambo Onyango, Ph.D.

**Home Institution:** University of Notre Dame, IN, USA

**Office Hours:** TBA

**Email:** odhiambo.herra@gmail.com

**Credit:** 4

#### Course Objectives:

The course is an introduction to the history of twentieth century architecture from 1900 to present. It will explore the implications of different conceptions of the twentieth century architectural history as an ongoing discussion about the appropriate architecture for the modern period. In the previous era, canons were used to identify the paradigms of excellence, but not easy in the twentieth century as they proved short-lived. In addition, it was an era of development and growth of new materials, technologies, and dominant economic systems. Students will develop visual literacy in the forms and trends of modern architecture of the period in question. Deeper analysis of the buildings within historical, social, cultural, political and technological contexts. The students are expected to read the assigned materials prior to coming to class and write short 1 page summaries of the readings that may include additional analyzed and annotated images.

The objectives are to enable students to:

- develop a set of conceptual and visual tools for analyzing buildings and architectural images;
- develop a historical sense of major periods and how architectural design responded to changes in cultural, social, political and technological forces.

**Format:**



For most weeks, you will be required to read secondary sources in preparation for that day's presentation and then read various primary sources in class that will either support the lecture or provide an alternative perspective to specific topics. There are also days that will focus primarily on a discussion. The discussions are based on article-length readings. I will utilize other media and experiential-learning exercises when and where it is appropriate. There will also be weekly field trips to local Chinese buildings, landmarks, and museums to reinforce the course content.

### Course Schedule

Week	Dates/Times	Location	Activity	Reminders/ Notes
	Monday	TBD	<b>LECTURE 1: CONFRONTING MODERNITY: The Modern City 1900-1940</b>  -Introduction to course, -Responses to the modern City -The Emergence of the Modern Movement -Housing	Doordan (2001) Chapter 1, pp.1-18
	Tuesday	TBD	<b>LECTURE 2: THE MODERN CITY</b>  -Pieces of the City -Women in Architecture -Cultural Institutions -The International Style -Cinema Architecture -Rockefeller Center and the General Motors Futurama	Doordan (2001) Chapter 1, pp.19-44
	Wednesday	TBD	<b>LECTURE 3: THE HOUSE</b>  -From the Arts and Crafts Movement to the Prairie House -European Developments	Doordan (2001) Chapter 2, pp.45-58



				<b>ASSIGNMENT 1: Analysis of The Fundamental Elements of The Problem of “The Minimum House” CIAM 2 -1929</b>
Thursday	TBD	<b>LECTURE 4: THE HOUSE</b> -Classicism -Modernism -American developments -Industrialization and the Home	Doordan (2001) Chapter 2, pp.59-76	
Friday	TBD	<b>Review Seminar, discussions, assignments with TA</b>		
Monday	TBD	<b>LECTURE 5: -THE ARCHITECTURE OF TRANSPORTATION AND INDUSTRY</b> -Railroad Stations -Urban Mass Transit Systems -Automobile Service Stations -Factory Architecture	Doordan (2001) Chapter 3, pp.77-92  Chapter 1, pp.86-91	
Tuesday	TBD	<b>LECTURE 6: -THE ARCHITECTURE OF TRANSPORTATION AND INDUSTRY</b> -The German Experience -Bridges  <b>-ARCHITECTURE AND POLITICS</b>	Doordan (2001) Chapter 3, pp.93-102  Chapter 4, pp.103-110	



			-Scandinavia and the Netherlands -The “Architecture of Empire”	
	Wednesday	TBD	<b>LECTURE 7: - ARCHITECTURE AND POLITICS</b> -Fascist Italy -The Third Reich -The United States of America  <b>-MODERNIST HEGEMONY: The Triumph of Modernism</b> -The Industrialization of Design -New directions	B Doordan (2001)  Chapter 4, pp.111-128  Chapter 5, pp.129-134  <b>ASSIGNMENT 2: Analytical comparisons of Edward Lutyens and Giuseppe Terragni</b>
	Thursday	TBD	<b>Field Trip</b> Hall of Supreme Harmony ( <i>Taihe dian</i> )	
	Friday	TBD	<b>Seminars discussions assignments with TA</b>	
	Monday	TBD	<b>LECTURE 9: -MODERNIST HEGEMONY: The Triumph of Modernism</b> -New Directions -Rebuilding -Reconfiguring Capitals -Re-conceptualizing the City	Doordan (2001) Chapter 5, pp.135-154
3	Tuesday	TBD	<b>LECTURE 10: -MODERNIST HEGEMONY: The Triumph of Modernism 1940-1965</b> -Housing	Doordan (2001)



			-Skyscrapers -Strategies of Display  <b>-TRENDS IN POSTWAR ARCHITECTURE</b> -Domestic Architecture	Chapter 5, pp.155-166  Chapter 6, pp.167-180
	Wednesday	TBD	<b>LECTURE 11: -TRENDS IN POSTWAR ARCHITECTURE</b> -Campus Architecture -Museum Architecture -Religious Architecture	Doordan (2001)  Chapter 6, pp.181-198  <b>ASSIGNMENT 3: Analysis of architecture of Coventry Cathedral</b>
	Thursday	TBD	<b>LECTURE 12: - AN ERA OF PLURALISM 1965-2000</b> <b>-Postmodernism, Deconstructivism and Tradition</b> -Renewing Modernism from within: Housing -Silence and Lights: Louis Kahn -Postmodernism -Deconstructivism -The Return of Classicism -Challenge and Adaptation -Organic Form and Craft Building	Doordan (2001)  Chapter 7, pp.199-228
	Friday	TBD	<b>Seminars discussions assignments with TA</b>	
4	Monday	TBD	<b>LLECTURE 13: - AN ERA OF PLURALISM 1965-2000</b>	Doordan (2001)



			<p><b>-Reconfiguring the City</b></p> <ul style="list-style-type: none"> <li>-London</li> <li>-Paris</li> <li>-Berlin</li> <li>-Frankfurt am Main</li> <li>-Barcelona</li> <li>-Traditional Architecture and the Reconstruction of the European City</li> <li>-The New Urbanism in the United States</li> <li>Jaime Lerner: Curitiba, Brazil</li> </ul>	Chapter 8, pp.229-254
Tuesday	TBD		<p><b>LECTURE 14: - AN ERA OF PLURALISM 1965-2000</b></p> <p><b>-The Present as History</b></p> <ul style="list-style-type: none"> <li>-Building Technologies</li> <li>-Domestic Design</li> <li>-Office Buildings</li> <li>-Skyscrapers</li> </ul>	<p>Doordan (2001)</p> <p>Chapter 9, pp.255-272</p>
Wednesday	TBD		<p><b>LECTURE 14: - AN ERA OF PLURALISM 1965-2000</b></p> <p><b>-The Present as History</b></p> <ul style="list-style-type: none"> <li>-Government Buildings</li> <li>-Railroad Stations</li> <li>-Cultural Institutions</li> <li>-Architecture and Memory</li> <li>-Timeline</li> </ul>	<p>Doordan (2001)</p> <p>Chapter 9, pp.273-295</p>
Thursday	TBD		<b>Reviews</b>	



	Friday	TBD	Final exam	
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**Weighted marks:**

<b>Assignment 1- Analysis of The Fundamental Elements of The Problem of “The Minimum House” CIAM 2 -1929</b>	:	<b>15%</b>
<b>Assignment 2- Analytical comparisons of Edward Lutyens and Giuseppe Terragni:</b>		<b>15%</b>
<b>Assignment 3- Analysis of architecture of Coventry Cathedral</b>		<b>15%</b>
<b>Sketches and report of field trip:</b>		<b>10%</b>
<b>Class participation:</b>		<b>5%</b>
<b>Final Exam:</b>		<b>40%</b>
<b>Total:</b>		<b>100%</b>

**Grading Scale:**

- A+:4.3——95-100
- A :4.0——87-94
- A -:3.7——82-86
- B+:3.3——78-81
- B :3.0——75-77
- B -:2.7——71-74
- C+:2.3——68-70
- C :2.0——65-67
- C -:1.7——61-64
- D :1.0——55-60
- E :0.0——49-54
- X :0.0——0



## Grading Principles

As a baseline, students are expected to attend class, ask questions, and actively learn inside and outside of the classroom. Thus, the grading components and scale above are rigid. As we wish to maintain a position of objectivity, no extra credit or “round-ups” will be given to individual students.

## Course Book:

Doordan, D., P. (2001) *Twentieth Century Architecture*, Saddle River N.J.: Prentice Hall Inc. and Harry N. Abrams

## Homework and Project Guidelines

- Label everything accordingly – student name/number, class, assignment, date, problem numbers, where appropriate – at the top of every page.
- Complete the assignment with a professional mindset. Presume that your work will be reviewed by a coworker or community stakeholder who knows absolutely nothing about your project; hence, you will need to note every assumption, parameter, and reference and draw attention to the major steps of the process.
- Include a reference for every technical claim, statistic, and non-intuitive equation or coefficient used in your homework and project submissions. Ideally, this reference should be to a professional code or peer-reviewed reference such as the literature listed above. Once again, this practice will make a coworker’s or stakeholder’s review at a later date much more efficient and quality-controlled.
- Where needed, check each term for dimensionality and whether units are consistent. Wherever possible, perform proper unit conversions.
- Numerically label any working figures, diagrams, charts or tables in your submissions.
- Since developing professional-level communication skills is a major component of this course, mistakes in spelling, grammar, and general “sloppiness” of submitted or presented work will result in a lower grade, even if the technical work is sound.
- Homework and project submissions are due at the beginning of class. Out of respect for the teaching assistants and your classmates, late homework is not accepted. I suggest handing in partial homework should you find yourself in a situation in which you have expended your time. Genuine emergencies will be considered as valid excuses, though with close scrutiny.
- **You are all students at one of the most prestigious universities in the China, and you are expected act accordingly. Please complete your assignments on time and with integrity. Any violations of these principles will be, at a minimum, reflected in your grade for the course. All students are expected to read and comply with the Academic Code of Honor,**