Philadelphia University
Faculty of Engineering
Department of Architecture
First Semester (2022/2023)

Course Syllabus

Course Title:	Course code:
Theories of Contemporary Architecture (In-Person Learning)	0660314
Course Level:	**Course prerequisite (s):**
3rd year	History of Architecture 2
Lecture Time:	**Credit hours:**
Monday and Wednesday 8:15-9:30	3

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Afnan Saleh	Assistant professor	61-303	Sunday & Tuesday 8:15-9:45	*a.saleh@ philadelphia.edu.eg*

Course description:

   This course explores the development of architectural theories since Industrial Revolution till now with an emphasis on the current architectural discourse. It concerns with expanding the knowledge of these theories by discussing the role of theoretical production regarding both practice and broader social, economic, political, and technological currents, taking the changing role of theory with respect to practice over the past thirty years into consideration, students are encouraged to develop their positions concerning theories both theoretical and practical though a set of questions, techniques, and tools for criticism and self-critique.

Course Content

No.	Course Topics	Learning outcome
1	Revising Renaissance, Baroque and Classic Architecture	
2	Historicism and Industrial	
3	The Search for a New Form -*roots of modern architecture*	
4	Modern Architecture	
5	The Failure of Modern Architecture	
6	Post-Structuralism	
7	High-tech Architecture	
8	Current Issues in Architecture	

Course objectives:

The goal of this course is to provide the student with ability to veer into the philosophical terrain when thinking, discussing, defending or writing about architecture. This can be achieved throughout the following objectives;

1. Knowledge of specific terminologies, trends and abstractions related to theories of modern architecture, postmodern architecture and the current ideas practices emerging in architecture, and considered diverse systems of thought that shape architectural and urban artifacts.
2. Understanding the philosophical and theoretical landscapes that currently shape architecture.
3. Applying and situating selected cultural objects, concepts, and debates in response to broader political, economic, and social contexts. This also involves identify connections of theories emerging in western context, and using this prior knowledge to identify connections and relationships in Arab and local context.
4. Analysis of selected architectural practice (image, project, technology, idea, text, contradicted practices… etc.) into component parts, determining how the parts relate to one another, identifying the critical contexts of motives or causes, making interpretations, and finding evidence to support generalizations.
5. Synthesizing diverse practices, ideas and concepts learned in the course to build a model of thinking that can help the student to identify his/her position and vision toward architecture.
6. Evaluation and critique architectural projects currently undertaken by students in the studio in term of the validity of ideas and the quality of works (selected student project) based on a set of criteria (related to key theories) to incorporate knowledge of practical architectural-design skills into the assignment set for this course.

Course components

Books;
Required textbook:

Gympel, Jan. 2005. *The Story of Architecture: From Antiquity to the Prestent.* s.l. : Goodfellow & Egan, 2005.

Support material;

Various illustrations on books, magazines, articles, and YouTube.

Readings:

- Henderson, Susan R. ""Rationalization Takes Command: Zeilenbau and the Politics of CIAM," excerpt from Building Culture: Ernst May and the New Frankfurt Initiative, 1926-1931." (2013).
- Radoine, Hassan. "Cultural resilience in contemporary urbanism: the case of Sharjah, UAE." International Development Planning Review 35, no. 3 (2013).

- Gaur, Aditya, Bryan Scotney, Gerard Parr, and Sally McClean. "Smart city architecture and its applications based on IoT." Procedia computer science 52 (2015): 1089-1094.
- Uhrmacher, P. Bruce. "Uncommon schooling: A historical look at Rudolf Steiner, anthroposophy, and Waldorf education." Curriculum Inquiry 25, no. 4 (1995): 381-406.
- Aliyu, Abubakar Mu'azu, and Yusuf Abdulsalam. "Architecture and Politics: An Exposition of the New Reichstag Building by Sir Norman Foster." (2020).

Course Website;

This course is an in-person class supported by the university online platform (Moodle). within the official course website, you will access the learning materials, recorded lessons, and syllabus. In can facilitate some issues of discussions, assignment submission, instructor and other students chatting, participation in online activities. Accordingly, a computer with an internet connection is recommended.

Homework and laboratory guide:

A series of assignments are designed to achieve the course objectives. Each assignment includes description, objective, learning outcomes, description and guiding instructions and the time of work to produce required online submittals. (*Important Note: Completion of all home works is self-paced; however, all assignments have firm deadlines*.)

Teaching methods:

This course follows the process of encourages the creativity of architecture students since the material of this course can help the student to have a comprehensive understanding of what concept means in architecture and urban development. This can be achieved through both classical; and constructivist teaching methods like;

- Lecturing; the course material will be exposed through a series of 15-20 minutes lessons. Each lesson will be recorded and uploaded on the class online website. The session may include 2-3 lesson according to the academic calendar. These lessons provide quick exposure to the course material, ensure the ability to complete and clarify course material, and facilitates class interaction.
- Collaborating; active participation of students through talking and listening to others opinion establish personal connection between students and the topic. This can be achieved through different methods depend on level of students' interest. The frequent used method is classroom discussion. The process of classroom discussion can develop critical thinking. In this process, different attitudes or opinions are probed among the students, the information received are then paraphrased, and the discussion developed through a series of questions.
- Research projects are exercises in which students apply skills and methods learned through lectures and readings to the study of a building or space on campus.

- Online activities: Students will engage in a variety of online activities and scheduled assignments that might include selected readings, watching the recorded lessons and PowerPoint presentations, viewing video clips, and listening to audio files.

Program Learning Outcomes (PLO):

KP2   History and Cultural Diversity

Understanding histories of art, architecture, and urbanism and the diversity of cultural norms of a variety of settings in response to their political, economic, social, ecological, and technological factors.

Course Learning Outcomes (CLO):

Knowledge and understanding:
CLO 1, CLO 2, CLO 3, CLO 4, CLO 5, CLO 6.

Intellectual Skills
CLO 7.

Professional and Practical Skills

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General and Transferable Skills
CLO 8.

CLO Code	Course Learning Outcomes (CLO):	Program Learning Outcomes (PLO):	Learning Taxonomy	
			Understanding	**Ability**
CLO 1	To understand the key theories and debates in architecture in response to industrial revolution.	KP2	☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating
CLO 2	To understand the key theories and debates in architecture in response to political supremacy.	KP2	✓☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating
CLO 3	To understand the key theories and debates in architecture in response to technological innovation.	KP2	✓☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating
CLO 4	To understand the key theories and debates in architecture in response to social structure.	KP2	☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating

CLO 5	To understand the key theories and debates in architecture in response to environmental issues.	KP2	✓☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating
CLO 6	To understand the key theories and debates in architecture in response to economy.	KP2	✓☐ Remembering ✓☐ Understanding	☐ Applying ✓☐ Analyzing ☐ Evaluating ☐ Creating
CLO 7	To create architectural interpretations in the light of the theoretical texts. This includes one or more of the following • To compare some key local (and international) artefacts, situations and debates with international works, theories, and sociopolitical context. • To evaluate diverse systems of contemporary (Architectural) thoughts and debates that inform architectural artefact (in response to critical theory). • To define personal value systems and ethical positions in response to current challenges.	KP2	☐ Remembering ☐ Understanding	☐ Applying ☐ Analyzing ✓☐ Evaluating ✓☐ Creating
CLO 8	To increase the awareness of the architectural jargon	KP2	✓☐ Remembering ☐ Understanding	☐ Applying ☐ Analyzing ☐ Evaluating ☐ Creating

Assessment instruments

Work for the class will include extensive reading, two short written exercises, a longer final paper, and three exams (two in-classes and the other a final). It is essential that all reading be completed in advance of each class. There will be an occasional pop quiz and online tests on the day's assigned readings or selected lessons. These readings will affect your class or online participation grade; if you don't do the readings, you can't participate in class discussion.

Allocation of Marks			
	Assessment Instruments	**Wight**	**Mark**
Midterm Exam	Exam 1	20%	30%
Reports*	Assignment – selected reading – projects or presentation	20%	30%
	Workshops – post quizzes	5%	
	Quizzes	5%	
Final Exam	The final exam	40%	40%
Total		**100%**	**100%**

- *Note: Class participation will affect the grading of reports*

Engineering student should have the ability of <u>time management</u>. Consequently, assignments and exercises should be submitted on time. A bonus of 5% of the students' grade will be awarded to those who submit their works on time. A penalty of 5% of the students' grade will be inflicted foe each day of delay (weekends included) (note: max penalty is 30%).

Documentation and academic honesty

The students are trusted to act honorably. Those who are in violation of the academic honesty can be subjected to standard penalty for a first offence includes issuing "No Pass" or "No Credit" for the exercise in which the violation occurred. The standard penalty for a multiple violation includes "No Pass" or "No Credit" for the course. Examples of conduct which to be regarded as being in violation include unpermitted collaboration and representing the work of another as one's own work.

Course academic calendar

Week No.	Dates		Week No.	Readings and homework *CLO07*	CLO	workload Distribution
1.	October	18-22	Drop/ add period Course outline industrial revolution			
2.	October	25-29	Classicism Eclecticism - Napoleon III style		1 2	(5) lessons (0) exams (1) study (0) home work (0) presentations /workshops/ quizzes (0) readings (1) online / office
3.	November	1-5	Steel and iron Art and crafts Garden cities	Reading Architecture and Politics: An Exposition of the New Reichstag Building by Sir Norman Foster.	3 4 5	(6) lessons (0) exams (1) study (0) home work (2) presentations /workshops/ quizzes (2) readings (1) online / office
4.	November	8-12	Chicago school Art Nouveau	Reading Uncommon schooling: A historical look at Rudolf Steiner, anthroposophy, and Waldorf education.	3-6 3-5-6	(5) lessons (0) exams (1) study (0) home work (1) presentations /workshops/ quizzes (2) readings (1) online / office
5.	November	15-19	Art Nouveau Objectivity		3-5-6 3-6	(6) lessons (0) exams (1) study (0) home work (0) presentations /workshops/ quizzes (2) readings (1) online / office
6.	November	22-26	Deutscher Werkbund Expressionism	Reading	3 4	(2) lessons (1) exams (6) study (0) home work

Week No.	Dates	Week No.		Readings and homework *CLO07*	CLO	workload Distribution
				Rationalization Takes Command: Zeilenbau and the Politics of CIAM		(1) presentations /workshops/ quizzes (0) readings (1) online / office
7.	November	29-3	Constructivism – Futurism L'Esprit Nouveau	Midterm exam	2-3-4 2-3-4	(6) lessons (1) exams (1) study (0) home work (0) presentations /workshops/ quizzes (0) readings (1) online / office
8.	December	6-10	Bauhaus Totalitarian architecture	Midterm exam	3-5-6 2	(2) lessons (0) exams (1) study (0) home work (2) presentations /workshops/ quizzes (2) readings (1) online / office
9.	December	13-17	Mechanized residential building		3-4	(6) lessons (0) exams (1) study (0) home work (2) presentations /workshops/ quizzes (0) readings (1) online / office
10	December	20-24	Open plans for open societies Opportunity for a new beginning		3-4 2-3-6	(6) lessons (0) exams (1) study (0) home work (0) presentations /workshops/ quizzes (0) readings (1) online / office
11.	December	27-31	Structuralism Brutalism Sculptural Architecture	Exercise Structuralism Brutalism Sculptural in Jordan	4 4 4-6	(2) lessons (0) exams (6) study (0) home work (1) presentations /workshops/ quizzes (0) readings (1) online / office
12.	January	3-7	Archigram		2-3-6	(5) lessons (0) exams (1) study (0) home work (2) presentations /workshops/ quizzes (0) readings

Week No.	Dates	Week No.	Week No.	Readings and homework *CLO07*	CLO	workload Distribution
						(1) online / office
13.	January	10-14	High-Tech Architecture Post-modernism	Reading Smart city architecture and its applications based on IoT.	3-6 4-6	(5) lessons (0) exams (1) study (0) home work (1) presentations /workshops/ quizzes (0) readings (1) online / office
14.	January	17-21	Deconstructivism Neo-futurism	Reading Cultural resilience in contemporary urbanism: the case of Sharjah, UAE.	2-4 3-5-6	(4) lessons (0) exams (1) study (0) home work (2) presentations /workshops/ quizzes (0) readings (1) online / office
15.	January	24-28	Revision			(0) lessons (0) exams (0) study (0) home work (0) presentations /workshops/ quizzes (0) readings (4) online / office
16.	January	31-4	Final exam			(0) lessons (0) exams (7) study (0) home work (0) presentations /workshops/ quizzes (0) readings (4) online / office

Expected workload:

Course Hours including exam weeks: 34 hours; Study hours out of class: 30 hours; Homework / assignments/ research project: 14 hours; Readings: 8 hours; Online (lectures, films, participation) and office follow up: 21 hours

Total expected workloads = 107 hours

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15% (=7 sessions). Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/Faculty shall not be allowed to take the final examination and shall receive a mark of zero for the

course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

References

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Jencks, Charles and Kropf, Karl, [ed.]. 1997. *Theories and Manifestoes of Contemporary Architecture.* London : Academy Editions, 1997.

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Lang, Jon. 1987. *Creating architectural theory: the role of the behavioral sciences in environmental design.* Oxford : Cengage Learning, 1987.

Rendell, Jane, et al. 2007. *Critical Architecture.* s.l. : Routledge, 2007.

Tschumi, Bernard. 1996. *Architecture and Disjunction.* s.l. : The MIT Press, 1996.

Venturi, Robert. 1966. *Complexity and Contradictions in Architeture.* New York : Museum of Modern Art, 1966.

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