

1. COURSE DESCRIPTION AND PURPOSE

studio. to create the environment in which the design process is important as far as the final product is reached!

subjects.

#01 workshop The preliminary design workshop on "underground settlement" will be carried out during the first three weeks of the semester. This investigation will be done particularly on creative construction and structure systems, materials and models.

#02 studio *resilience** rɪˈzɪljəns
[1] The ability of a substance or object to spring back into shape; elasticity.
 "nylon is excellent in wearability, abrasion resistance and resilience"
 Synonyms: flexibility, pliability, suppleness, plasticity, elasticity, springiness, spring, give...
[2] The capacity to recover quickly from difficulties; toughness.
 "the often remarkable resilience of so many British institutions"

The main studio work on "urban resilience" will be carried out during the whole semester. This investigation will be done particularly on sustainability; advanced technologies, building, construction and detailing systems together with contemporary debates; multi-functional programs and building solutions; evaluating diverse disaster scenarios (natural or manmade) as inputs into the design process.

What does it mean to live dangerously? This is not just philosophical question or an ethical call to reflect upon our own individual recklessness. It a deeply political issue, fundamental to the new doctrine of 'recilience' that is becoming a key term of art for governing planetary life in the twenty-first century. No longer should we think in terms of evading the possibility of traumatic experiences. Catastrophic events, we are told, are not just inevitable, but learning experiences from which we have to grow and prosper, colectively and individually. Vulnerability to threat, injury and loss has to be accepted as a reality of human existence.

in the case of an urgent action, working on program components that may be open to use in and around the city / working on potential program transformations / openings:

- :: develop programs and spatial fiction to question urban elasticity / normalize life in a disaster or emergency situation ...
- :: working on urban recycling / support-service equipments and building typologies ...
- :: risk management in cities / idle-gap space transformation / public common / minimum space etc. architectural productions through concepts ...

scenario	key points for program proposal
climate change	smart city
earthquake	energy efficiency
population rates	water supply_resilient water infrastucture systems
waste	industrial plantation
pollution	food and agriculture
flood	transportation
tsunami	education
tropical syclones/ storm	health
crime/violence/terror	administration
war	accomodation
migration	housing / residence
traffic congestion	urban services
shrinking city	...
social/spatial corruption	...

key points for resilience practice.

- :: Resilience is a dynamic property of a system, and managing it requires a dynamic and adaptive approach. There are many ways of putting resilience science into practice.
- :: The basics of resilience thinking involve appreciating a system’s thresholds, domains, and linked adaptive cycles.

- :: Resilience thinking is about understanding requisite simplicity. What, essentially, do you need to know about your system to keep it sustainable?
- :: Specified resilience is how far the current state of a system is from a threshold. General resilience is the system's capacity to manage a disturbance and prevent the state of the system from reaching a threshold.

General resilience has three important functions:

- :: being able to **respond** quickly and effectively, in the right places in the right way
- :: having **reserves** and access to needed resources, thereby effectively increasing the "safe" space for operating
- :: keeping **options** open

How does architecture respond to this transformation in an emergency or disaster?

To think through :: current and new forms of use :: change / diversity of information access methods

:: the discovery and redefinition of relations between functions and concepts such as structural components / technology / transformation ...

place. [istanbul]

method. the studio will be supported by enformal and short-term studies.

* **productive participation in the studio is essential.**

* **thinking is expected with different scales and different means of representation.**

2. PROGRAMME

WEEK	DATE	STUDIO WORKS
1	17.09.2018	INTRODUCTION TO THE STUDIO
	20.09.2018	STUDY – 1: COMMON WORKSHOP_ Underground Settlement
2	24.09.2018	STUDY – 1: COMMON WORKSHOP_ Underground Settlement
	27.09.2018	
3	01.10.2018	STUDY – 1: COMMON WORKSHOP_ PRESENTATIONS & EXHIBITION
	04.10.2018	
4	08.10.2018	STUDY – 2: DESIGN RESEARCH
	11.10.2018	
5	15.10.2018	STUDY – 2: DESIGN RESEACH / RESEARCH PRESENTATIONS
	18.10.2018	
6	22.10.2018	STUDY – 2: STUDIO / SEMINAR-1
	25.10.2018	
7	29.10.2018	STUDY – 2: STUDIO / SEMINAR-2
	01.11.2018	
5-9 NOVEMBER 2018: FALL BREAK		
8	12.11.2018	STUDY – 2: STUDIO WORKS
	15.11.2018	
9	19.11.2018	STUDY – 2: PIN-UP / JURY
	22.11.2018	
10	26.11.2018	STUDY – 2: STUDIO WORKS
	29.11.2018	
11	03.12.2018	STUDY – 2: STUDIO WORKS
	06.12.2018	
12	10.12.2018	STUDY – 2: STUDIO WORKS
	13.12.2018	
13	17.12.2018	STUDY – 2: STUDIO WORKS
	20.12.2018	
14	24.12.2018	STUDY – 2: STUDIO WORKS
	27.12.2018	

3. ACTIVITIES

Works and activities which will be carried out within the scope of studio:

- COMMON WORKSHOP (PRELIMINARY STUDY-1): The subject on "underground settlement" is the design of the preliminary study which will be carried out during the first three weeks of the semester.
- TERM PROJECT (STUDY-2): It is the main studio study to be continued throughout the term on resilience.
- DESIGN RESEARCH: Design researches will be carried out about design themes and project areas individually or in groups.
- SEMINARS: Seminars will be given by invited experts to support studio work on "shrinking cities" and "urban eco-system future: ecological restoration".

4. CONTRIBUTIONS

common workshop: “underground settlement”, with the Hüseyin Kahvecioğlu Project Group
seminar 1: “shrinking cities”, by Sertaç Erten
seminar 2: “urban eco-system future: ecological restoration”, by Enise Burcu Derinboğaz

5. EVALUATION

Architectural design studio work is a process that is important for active participation. Therefore, participation in studio during the semester and production in studio are main evaluation phase. In evaluating the success of term;

- Attendance to studio; productivity + contribution to the studio atmosphere
- Attendance to jury and workshop sessions
- Personal evaluation of the design problem, ability of approaching design problems in a multi-dimensional way, performance of carrying out the whole design process in a critical way
- Expected competence in establishing relations of design decisions with context, program and spatial-formal-structural layout
- Providing the experience of interdisciplinarity in architectural design process
- Representation of the information on the designed architectural solution/object via advanced multimedia environments.

Jury sessions + Assignments + Workshops = % 30

Term Project + Process + Performance = %70

6. REFERENCES

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- “Floating Cities” (video 7 min). Presented by European Environmental Agency. http://www.eea.europa.eu/atlas/eea/floating-cities/of_video/floating-citiesenvironmental-atlas-of/view, “Urban Farming: Hydroponics in the City” (video 6 min). Produced by RiverWired. <http://www.youtube.com/watch?v=tqcBCcSLDlo>