

Faculty: Architecture
Course Code & Number: ARCH 101
Type of Course: Compulsory
Course Credit Hours: (2+8+0) 6 / 9 ECTS
Language of Instruction: English

Department: Architecture
Course Title: Basics of Architecture
Semester: Fall
Pre-requisite: None
Mode of Delivery: Face-to-face

Instructors

Asst. Prof. Dr. Başak Uçar, Asst. Prof. Dr. Onur Yüncü, Gökhan Kinayoğlu, Res. Asst. Murat Aydinoğlu

COURSE OBJECTIVE

Introduction to basic concepts and general trait of design. Abstraction and conceptualisation. Design exercises at various scales and complexities. Development of mental, perceptual and manual skills in the presentation of design ideas.

COURSE DESCRIPTION

The course aims to introduce students to basic design principles and general traits of design by developing manual and mental skills to advance in “hands on practices” at various mediums. It expects student to get competent in visual and compositional organization strategies and be able to test different design approaches concurrently. The acquired basic skills are expected to be utilised in analysing, describing and enriching the series of relations between the elements of a composition and to foster a capability to manipulate form and space, thus gaining dexterity to represent the perceptual and mental process through various media. The students are expected to develop an understanding of abstraction, form relations and basic formal properties such as geometry, size, scale, and light. The course introduces the thematic spatial and compositional concepts in achieving order and in developing awareness to the surrounding, such as hierarchy, rhythm, contrast, similarity, balance, harmony and unity. It also initiates engagement with a variety of media and communication techniques.

LEARNING OUTCOMES

Upon successful completion of this course, a student will be able to

1. work with basic form properties; analyse, test and differentiate qualities like geometry, size, colour, proportions and scale;
2. develop a sense of abstraction;
3. test design thinking and process, analyse and synthesize design concepts and acquire general organization skills;
4. apply theoretical and practical knowledge to praxis through various studio exercises;
5. develop a basic understanding of thematic composition and concepts between design elements and the whole in achieving order and unity;
6. develop an awareness to the present values of the surrounding;
7. develop personal dexterity to communicate creative ideas, perspectives and solutions.

SYLLABUS

The topics that will be covered this semester are:

Basic Form Properties & Form Relations

proportion, scale, similarity, reciprocity, visual perception & rules

Abstraction

geometric properties, reproduction, measurement

Rhythm

repetition, variation, differentiation, pattern, iteration, balance

Spatial & Contextual Properties

light, shadow, shade, texture, colour, material, transparency, overlap

Organisational & Compositional Principles

hierarchy, contrast, figure & ground (negative area), grouping, solid & void, seed, unity, balance

Design Operations & Complex Design Strategies

TENTATIVE WEEKLY SYLLABUS

W1 11 September 2015

Introduction/abstraction/basic form properties & relations

W2 15, 18 September 2015

Abstraction

W3 22, 25 September 2015

Abstraction

W4 29 September, 2 October 2015

Abstraction

W5 6, 9 October 2015

Design Operations

W6 13, 16 October 2015

Design Operations

W7 20, 23 October 2015

Design Operations – Variations

W8 27, 30 October 2015

Design Operations – Variations

W9 3, 6 November 2015

Complex Design Operations & Strategies

W10 10, 13 November 2015

Complex Design Operations & Strategies

W11 17, 20 November 2015

Preliminary Jury Evaluations

W12 24, 27 November 2015

Complex Design Operations & Strategies – Spatial relations – Variations

W13 1, 4 December 2015

Complex Design Operations & Strategies – Spatial relations – Variations

W14 8, 11 December 2015

Final reviews

W15 15, 18 December 2015

Final jury

EVALUATION

Students will be evaluated on the basis of the quality and process of the work, the completion of assignments, and contribution to the studio environment. **It is extremely important to follow the course. Successive 30hrs of non-attendance and a sum of 40hrs of non-attendance to the studio during the term results in failing.** The attendance will be taken randomly during the course (at least 3 times in a studio day) and will be signed by the students regularly.

Assignments: up to up to 45% (distribution of grades for each SW & HW will be assigned)

Preliminary Jury: up to 20%

Final Jury: up to 35%

Class Contribution and attendance: up to 15%

Student Workload: 300 hours (Course: 140hrs - Home Works & Studio Works: 160hrs)

GRADING SYSTEM

AA 4.0 / 100-90

BA 3.5 / 89-85

BB 3.0 / 84-80

CB 2.5 / 79-75

CC 2.0 / 74-70 average

DC 1.5 / 69-60

DD 1.0 / 59-50 unsatisfactory

F 0.0 / 49-0 fails to follow requirements of the assignment

FX 0

Late submission:

Late submissions will not be accepted unless it qualifies as excused. All assignments are due at the date and time indicated. Late submissions if otherwise accepted will be downgraded. Incomplete work is generally discouraged. Severe incompleteness will be evaluated based upon the degree of incompleteness. **All assignments are due in completed form.**

LANGUAGE

The studio discussions and all of your presentations will be in English. Developing your verbal language skills will be very important in acquiring design terminology as well as daily communication in the studio.

STUDIO RULES

Students are encouraged to work together in the studio during and outside of class time, but each student is expected to respect for each other and for the work environment at all times. Since design studio constitutes the backbone of your architectural education, all students are required to attend every studio session and activities and expected to actively participate in all discussions and pin-ups. Assignments must be submitted and presentations should be performed on the time. As future architects you are responsible from the proper use and maintenance of studio space. It is important to keep studio space neat, clean and organised for achieving a better studying environment. Clean the space around you and your tables regularly. Any cutting activity directly on your tables or any surface (walls, floors etc.) at the studio without using proper cutting mats or cutting glass and using permanent colour in the studio space are strictly forbidden. **Defacing any school property within the studio space will not be tolerated.**

REFERENCES

Recommended Architecture Magazines

Arredamento Mimarlık, Yapı, Mimarlık, XXI, Yeni Mimar, Architectural Review, AD-Architectural Design, El Croquis, Frame

Architectural portals

www.arkitera.com, www.yapi.com, www.mimarizm.com, www.mimarlarodasi.org.tr,
www.mimarlarodasiankara.org, www.kollokyum.com, www.mimdap.org, www.archdaily.com,
www.worldarchitecture.org

Libraries

TEDÜ Library, ODTÜ Library, Bilkent Library, VEKAM, Library of Chamber of Architects, National Library

Museums & Recommended Visiting Spots in Ankara

Anadolu Medeniyetleri Müzesi – Cermodern – Erimtan Arkeoloji ve Sanat Müzesi – SiyahBeyaz – TSMD Mimarlık Merkezi – Mimarlar Derneği 1927 - GaleriNev – Çağdaş Sanatlar Merkezi

Suggested Readings

Arnheim, Rudolf. *Visual Thinking*, University of California Press, Berkley, 2004.

Miyasaka, Taiji. *Seeing and Making in Architecture; Design Exercises*, Routledge Press, New York & London, 2014.

Balmer, Jeffrey & Michael Swisher. *Diagramming the Big Idea; Methods for Architectural Composition*, Routledge Press, New York & London, 2012.

Itten, Johannes. *Design and Form: The Basic Course at the Bauhaus*, John Wiley and Sons Ltd, New York, 1975.

Wong, Wucius. *Principles of Two Dimensional Design*, John Wiley and Sons Ltd, New York, 1972.

Bucsescu, Dan & Michael Eng. *Looking Beyond the Structure; Critical Thinking for Designers and Architects*, Fairchild Books, New York: 2009.

Shields, Jennifer A. *Collage and Architecture*, Routledge/Taylor & Francis Group, 2014.

Eisenman, Peter. *Formal Basis of Modern Architecture*, Lars Müller Publishers, Baden CH, 2006.

Berger, John. *Ways of Seeing*, Penguin Books, London and New York, 2008.

COURSE INSTRUCTORS

Asst. Prof. Dr. Başak Uçar

Room No: 425 – T: 585 0020 – E: basak.ucar@tedu.edu.tr

Asst. Prof. Dr. Onur Yüncü

Room No: 425 – T: 585 0020 – E: onur.yuncu@tedu.edu.tr

Pt. Inst. Gökhan Kınayoğlu

E: gokhan.kinayoglu@tedu.edu.tr

Res. Asst. Murat Aydınoglu

Room No: 343 - T: 585 0169 - E: murat.aydinoglu@tedu.edu.tr