



**Eastern Mediterranean
University**

"Virtue, Knowledge, Advancement"



Department of Architecture

ARCH COURSES



**Eastern Mediterranean
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"Virtue, Knowledge, Advancement"



Department of Architecture

ARCH505 Course instructor: Prof. Dr. Yonca Hürol

ARCH505 ADVANCED RESEARCH METHODS

**Spring semester
2022/23**

Catalogue description:

This is an introductory course at the level of graduate studies, for the purpose of developing an understanding of fundamentals of research & research process as well as ethics of research. It provides an introduction to methods of research for post graduate students in the Department of Architecture. The course is interactive and covers a range of knowledge and skills areas.



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Department of Architecture

ARCH512 Course instructor: Prof. Dr. Resmiye Alpar Atun

ARCH512 SPATIAL EXPLORATIONS

**Spring semester
2022/23**

Catalogue description:

In this course, theoretical and methodological approaches in understanding spaces ranging from a building, an urban neighborhood, up to the city scale will be presented. The course will be consisted of three successive parts. The first part, will introduce the theoretical background for the methodologies that will be presented during the second part of the course. The methodologies to be presented will include not only the techniques that are based on users' perceptions and behaviors, such as observations, questionnaires, visual recordings, cognitive mapping, but also the techniques that focuses on geometric and topologic properties of spaces such as space syntax methodology. On the last part of the course, students will have hands on experience on application of the methodologies introduced during the course in the selected cases from different scales of development. As a result of this course students are expected to use these methodologies for their graduate research



ARCH535 Course instructor: Prof. Dr. Salih Ofluoğlu

ARCH535 BUILDING INFORMATION MODELING

**Spring semester
2022/23**

Catalogue description:

Building Information Modelling (BIM) is a relatively new approach to designing, documenting, constructing and even maintaining buildings. BIM has a significant impact on AEC-related practices and offers an important competitive advantage for professionals using it. BIM relies on a working approach for creating a semantic virtual 3D prototype of a physical building. It is essentially a 3D integrated model within which all graphic and non-graphic data for all the elements of a building are embedded. These models are also interoperable; therefore, help facilitate collaboration between building professionals. In contrast to common geometric building drawings/models intended only for construction purposes, building information models are often used in different project contexts for problem-solving and informed decision-making.

This course examines the implementation of BIM in various design, construction and facility management-related tasks in a building lifecycle. It presents the conceptual framework associated with BIM technologies and working systematics. Course topics will incorporate the utilization of BIM in architectural design and modeling, collaboration and interoperability with BIM, BIM-enabled energy efficiency and Sustainability, BIM-supported project and asset management, BIM standards, protocols, implementation plans and common data environment (CDE) that constitute BIM working systematics. 3D architectural modeling, clash detection and 4D/5D modeling topics will be also be illustrated using relevant software with practical exercises.



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Department of Architecture

ARCH546 Course instructor: Prof. Dr. S. Müjdem Vural

ARCH546 BUILDING AND HUMAN HEALTH

**Spring semester
2022/23**

Catalogue description:

This course is designed to determine the inverse health effects in design stage by assembling the relation between human and building and environment. The mission of an architect (designer) is to provide a healthy life for the users (human being) of the building. And to achieve this mission, the decisions given by architects during design and usage stage should not be affecting the human health. The importance of this issue is going to be underlined throughout the course. The main emphasis will be on the relationship of building and health effects on human beings by giving definitions of human, building (physical and social characteristics of building) and environment. The risks (possible healthy effects) and solutions will be discussed in an architectural point of view.



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Department of Architecture

ARCH553 Course instructor: Prof. Dr. Resmiye Alpar Atun

ARCH553 SUSTAINABLE DEVELOPMENTS

**Spring semester
2022/23**

Catalogue description:

The concept of sustainability; local sustainable development in regional, district and architectural scale; examples of sustainable development in various countries at various scales; sustainability of housing environments; considerations on improving the quality of life of the local community; the issues of ecological site design: density, context, land use, transportation, design with the climate and sense of place and land design.



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ARCH558 Course instructor: Assist. Prof. Dr. Pınar Uluçay

ARCH558 POLICIES OF URBANIZATION

**Spring semester
2022/23**

Catalogue description:

The course explores the way in which economic, political and social forces work together to affect policy approaches in the different spatial settings of EU countries and how this is reflected on planning approaches.



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ARCH567 Course instructor: Prof. Dr. Türkan Ulusu Uraz

ARCH567 INFORMAL STUDIES IN HOUSING

**Spring semester
2022/23**

Catalogue description:

This is a course on 'the Housing Research in relation to its theories and practices. The aim of the course is twofold: the first, introducing to the students the diversity and richness of the subjects that the field of 'Housing' covers, and the second, assisting students enrich their research and theses through discovering relevant examples.





ARCH573 Course instructor: Prof. Dr. Mukaddes Polay

ARCH573 IDENTITY AND ARCHITECTURE

NATIONAL PAVILIONS Absorbing Modernity 1914-2014
2014 What remains of national styles today?
How did we get here?

GERMANY

CHINA

SWITZERLAND

**Spring semester
2022/23**

Catalogue description:

The Architecture and Identity course intends to explain relationship between architecture and identity. It evaluates identity in different scales. Components of identity in city, space, building and interior spaces are discussed. Initially, theoretical information is put forward about human and environment/space relations, perception and image, because these issues have close relationship with the perception of identity. Then, identity assessment method is given through evaluating identity in different scales -city, space, building and interior spaces- through illustrated lectures and research base information. Within the content of this course, students are encouraged to make researches on identity topics in order to improve their research ability and problem solving capacity.

INDONESIA

JAPAN

NIGERIA

UNITED KINGDOM



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Department of Architecture

ARCH598 Course instructor: Assoc. Prof. Dr. Ceren Boğaç

ARCH598 SEMINAR

**Spring semester
2022/23**

Catalogue description:

This seminar series will examine the various stages in the preparation of a dissertation and introduce the theoretical and practical approaches available.



■ ARCH651 Course instructor: Prof. Dr. Naciye Doratlı

ARCH651 CULTURE AND CITIES

NATIONAL PAVILIONS Absorbing Modernity 1914-2014
2014 What remains of national styles today?
How did we get here?

GERMANY

CHINA

SWITZERLAND

**Spring semester
2022/23**

Catalogue description:

Today almost more than one half of the world's population lives in cities; and projections for the year 2025 show that more than two thirds of us will be urban dwellers. As being candidates of one of the key actors who will be influencing the physical urban environment, the students should be provided with knowledge on urban sociology (on introductory basis) in order to be able to make relevant proposals for urban dwellers. The main aim of this module is to provide the students with systematic knowledge on the process of urbanization, the in cities, and problems of today's urban areas.

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Department of Architecture

ARCH698 Course instructor: Prof. Dr. Mukaddes Polay

ARCH698 PHD SEMINAR

**Spring semester
2022/23**

Catalogue description:

ARCH 698 course is a graduation requirement for all doctoral students. It is a forum to discuss architecture-related academics and research. The course is organized as an end-of-semester seminar series where attending students are encouraged to open their preliminary research outline to the wider public. Although there is no set typo for the content of this presentation, attendees are expected to respond to the previously defined and given checklist.



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Department of Architecture

■ ARCH501 Course instructor: Prof. Dr. Özgür Dinçyürek

ARCH501 INTERDISCIPLINARY WORKSHOP

**Spring semester
2022/23**

Catalogue description:

'Interdisciplinary Workshop' is a compulsory course offered to all graduate students of Faculty of Architecture at an interdisciplinary level. Since architecture stands at the intersection point of different study areas, the interdisciplinary character of the professional studies have to be employed. Thus, the aim of this compulsory course is to guide the students to carry out certain researches around their different interest areas while the theme remaining constant within one semester. Different workshop methods are applied in achieving a mutual end product, taking inputs from different disciplines and viewing the theme from different perspectives. The role of the instructor is to design, coordinate and mediate the workshop process. Guest lecturers and experts may sometimes be invited to support the fundamentals of the concerned themes. By the end of this process, students are expected to gain the ability to work in a team in coordination with a variety of disciplines and develop their skills and knowledge within the interdisciplinary framework of theories.



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ARCH517 Course instructor: Prof. Dr. Hifsiye Pulhan

ARCH517 IMPACTS OF CULTURAL FACTORS ON TRADITIONAL HOUSES

**Spring semester
2022/23**

Catalogue description:

As an exploration of cultural geography, this course shows how physical structures reflect a complex interaction between the physical environment and the evolving culture of social groups in many parts of the world. Broadly, course focuses on culture, as the system of rules and habits, reflection of ideals and creation of a lifestyle that is guiding behavior, roles, manners, and the built form as well. It dismantles culture and study components and their various interrelationships with the built forms from different parts of the world and their contemporary reflections/interpretations in architecture.



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Department of Architecture

ARCH523 Course instructor: Prof. Dr. Özgür Dinçyürek

ARCH523 THEORY OF ARCHITECTURE

**Spring semester
2022/23**

Catalogue description:

This course is an introduction to the theory of architecture as a discipline and to its development over history, from the Ancient to the contemporary period. It presents the ideas, philosophies and processes that have been developed over the course of history to understand architecture and a procedure for generating it. It considers architectural writings, as well as the relationship of these texts to cultural and intellectual history and to the production of architectural form.



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■ ARCH 524

Course instructor: Prof. Dr. Kokan Grchev

ARCH 524

THEORETICAL ASPECTS OF ARCHITECTURE 2

**Spring semester
2022/23**

Catalogue description:

This course is an introduction to the theory of architecture as a discipline and to its development over history, by presenting varieties of issues in different contexts covering the period of the Ancient and the contemporary. It presents the ideas, philosophies and processes that have been developed over the course of history to understand architecture and a procedure for generating it. It considers architectural writings, as well as the relationship of these texts to cultural and intellectual history and to the production of architectural form