

# 11. SUSTAINABLE CITIES AND COMMUNITIES

Kadir Has University is within the scope of a green campus. With this green campus approach, there are tremendous efforts carried out by the University with respect to water consumption, energy efficiency, waste management, and so on.

Our University is determined to manage water consumption in an efficient manner. The water consumption from the water tanks within the campus is monitored and analyzed on a regular basis. Further, the rainwater channels are directed to the sewage through a separate line throughout the University, and these water resources are directed to the dams. This method makes it possible to encourage the recycling of water and the protection of natural resources and also helps us reduce treatment costs and energy consumption. Thus, we are able to use the water in a sustainable way in the university.

The University is in a location that is close to the public transportation system. It is easy for the personnel, students, and other people in the university to access public vehicles. Further, we encourage the use of public transportation by offering personnel shuttle vehicles. This approach minimizes the use of individual vehicles, delivering a contribution to our aim of reducing the carbon footprint.

The courses given, the events organized, and the publications issued within the organization of our University in connection with this goal are detailed below.

## 11.1. Publications

- Kaymaz, Egemen; Manav, Banu (2022), **“A proposal on residential lighting design considering visual requirements, circadian factors and energy performance of lighting,”** Journal of Asian Architecture and Building Engineering, DOI: 10.1080/13467581.2022.2161308
- Yılmaz, Burcu Çiğdem; Yılmaz, Yiğit (2022). **“Re-considering the energy efficient retrofitting approach to question cost-optimality and nZEB under COVID-19 measures”**, Building and Environment, 219, 109227, Doi: 10.1016/j.buildenv.2022.109227
- Asst. Prof. Seda Erdoğan, Corporate ESG engagement and information asymmetry: the moderating role of country-level institutional differences. Journal of Sustainable Finance & Investment, 1-37

## 11.2. Events

- Syrians in Turkey and Turkish Media: Common Life of 10 Years Seminar. 29 April 2021, UTMK Communication Specialization Committee, Deniz Bayrakdar, opening speech
- Bayrakdar, D., Burgoyne, R. (2022). Refugees and Migrants in Contemporary Film, Art and Media. Amsterdam: Amsterdam University Press (Book)
- Bayrakdar, D. (2022). “Migrant Bodies in the Land/Sea/Cityscapes of 2000’s Turkish Cinema,” in Refugees and Migrants in Contemporary Film, Art and Media (eds. D.Bayrakdar and R. Burgoyne). Amsterdam: Amsterdam University Press

- Urban Transformation and Local Governance of Istanbul: Municipalities' Promotional Films- DENIZ HALMAN TOMAKA. November 23, Tuesday, 20:00. The urban transformation projects in Turkey gathered speed upon the "Disaster Law" entering into force in 2012. A significant transformation is happening in Istanbul, the biggest city in Turkey. Many urban project forms appeared concurrently, resulting in disorder in buildings.

<b>Period</b>	<b>Course Code</b>	<b>Course</b>
2021-22 Fall	ARCH511	Readings about Locations and Communities
2022-23 Spring	ARCH511	Readings about Locations and Communities
2022-23 Spring	ARCH5210	Sustainable Design and Life
2021-22 Spring	ARCH501	Critical Theories and Current Discussions in Urban Studies
2021-22 Spring	ARCH502*1	Research Methods and Interdisciplinary Approaches
2022-23 Spring	ARCH502*1	Research Methods and Interdisciplinary Approaches
2021-22 Fall	ARCH504	Architecture and Urban Studies Thesis
2021-22 Fall	ARCH504	Architecture and Urban Studies Thesis
2021-22 Fall	ARCH504	Architecture and Urban Studies Thesis
2021-22 Fall	ARCH504	Architecture and Urban Studies Thesis
2021-22 Fall	ARCH504	Architecture and Urban Studies Thesis
2021-22 Spring	ARCH504	Architecture and Urban Studies Thesis
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2022-23 Fall	ARCH504	Architecture and Urban Studies Thesis
2022-23 Spring	ARCH504	Architecture and Urban Studies Thesis
2022-23 Fall	MSN516	Synthetic Polymer Chemistry
2022-23 Fall	MSN512	Advanced Organic Chemistry
2022-23 Spring	MSN513	Advanced Organic Chemistry II
2022-23 Spring	MSN517	Distillation Methods and Separation Techniques

- **History of Modern Turkey:** Certain weeks are focused on “city history”. The modernization adventures of the cities at the center and otherwise are discussed with respect to economic history, cultural history, and environmental history.
- **KHAS 107 Design:** The context of design is one of the primary points of the urban and social relationships in the compulsory design course for all first-year students under the Code Program. Among the learning outputs of this course intended to ensure that the students from the different departments understand design thinking are that the students get the knowledge about different design approaches and tools in various subjects such as daily life, urban commons, sustainable production and consumption, equality of opportunity, localization and collectivism, ethics, etc., and the skill of defining and producing a solution for an existing problem making use of the design thinking. The course contains seminars, classroom practices, and projects & designs carried by the students in groups; the students focus on different cases and examples concerning the social, ecological, and economic sustainability in the region of Cibali – the Golden Horn. For this purpose, the students who carry out projects based on a problem as identified by themselves within the scope of this course are expected to focus on Cibali, identify a problem observed therein, document the same, and develop a design project intended to solve this problem. Thus, it is also aimed that all the first-year students at the university mandatorily receive this course so that a database of “Cibali Atlas”, which would consist of a number of projects during the course and get enriched in time, would be created.
- **KHAS 101 Origins and Consequences:** This course analyzes the valuable consequences of the inventions in the different scientific fields for people, and the modules called Quantum Technologies and Role of Chemistry in Medicine motivate the students to think of what to do to maintain the impact of urbanization on the world and environment at a sustainable level. The students do research homework in any field of their choice, analyzing the topic thoroughly.

- **KHAS 105 Universal Values and Ethics:** The module on Ecologic Crisis and Coexistence of Species helps the students to develop a critical point of view about the context of sustainability in the context of ecologic crisis and questions the possibilities of a sustainable city.
- **KHAS 110 Social Responsibility:** Within the scope of this course, our University combined forces with the Istanbul Metropolitan Municipality City Council in this respect. The students took part in various positions to maintain the connection between the municipality management and the people. Among these are the events such as the organization of meetings. At the project's end, a panel called Inclusion Café was organized so that the people could gather together and access cultural and artistic works.
- **KHAS 110 Social Responsibility:** Within the scope of this course, the students in one of the authentic project groups called Reef 34 arranged some efforts to bring into question the pollution in the Bosphorus. The students also prepared informative publications about marine pollution and organized an event on cleaning the sea with the contributions of the Istanbul Metropolitan Municipality at the semester-end. Efforts were made to raise people's awareness about the environment and encourage them to contribute to the process of sorting and recycling waste.
- **KHAS 110 Social Responsibility:** Within the scope of this course, an authentic group of students organized various informative events and campaigns to bring into question environmental pollution. They also organized some efforts to inform the people about the importance of recycling. They also organized an event to make forest cleaning efforts at the semester-end.