

7. AFFORDABLE AND CLEAN ENERGY

Energy saving is a critical issue for our University. Therefore, the respective meters are monitored and maintained regularly. There are fuse systems that are capable of sensing leakage currents in an attempt to prevent possible problems such as electric leakage. Further, an energy manager is present within the organization of the University as an indication of a professional approach with respect to energy consumption and efficiency. This manager analyzes energy consumption, identifies improvement opportunities, and develops energy savings strategies.

Lighting has a significant share in the energy consumption. Therefore, the University is starting to use LED bulbs in an attempt to improve the lighting systems and increase the level of energy savings. LED bulbs consume less energy compared to conventional ones, and they are also long-lasting. This transition does not only save energy costs but also contributes to the reduction of the environmental impact.

Our University considers energy savings when purchasing new products. In particular, such devices and equipment used in energy-intensive locations, such as laboratories, are chosen among the energy-saving models. This approach does not only save energy costs but also helps contribute to the reduction of the environmental impact.

The courses given within the organization of our University in connection with this goal are detailed below.

Period	Course Code	Course
2021-22 Spring	ESD530	Sustainable Energy Policies and Methods
2022-23 Spring	ESD530	Sustainable Energy Policies and Methods

- **History of Modern Turkey:** One of the essential sub-themes of the course is “environmental history”. The context of energy savings is analyzed based on environmental history, focusing on, in particular, the energy policies during the history of the Republic.
- **KHAS 101 Origins and Consequences:** This course analyzes the valuable consequences of inventions in the different scientific fields for the people, and the modules called Quantum Technologies and Basics of Evolution motivate the students to think of what to do for affordable and clean energy. The students do research homework in any field of their choice, analyzing the topic thoroughly.

- **KHAS 103 History of Humankind:** The history, humanity, and nature module analyzed environmental problems under various headings. The styles of those communities living in different geographies and times (hunter-gatherers/ agricultural societies/ industrial societies) were compared to one another to analyze these problems. During this course, with content about, in particular, industrial society, the students discussed the possible solutions for environmental issues. The homework given at the end of this module expects the students to play the roles of different people discussing their relationships with the environment.
- **KHAS 105 Universal Values and Ethics:** The module on Ecologic Crisis and Coexistence of Species makes sure that the students are aware of the energy crisis in the context of the ecologic crisis and learn about the social, ecological, political, and economic aspects of this crisis.