

## Energy Management and Planning

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**Subject area:**

<b>University:</b>	TalTech
<b>Level:</b>	MA all years
<b>Teaching mode:</b>	hybrid: some students participate online, other students attend real-life
<b>Instructor(s):</b>	Eduard Latňšov

### Short description

Economical analyse and financial calculations of the energy system. Energy statistics. Energy sector development, simulation, scenarios. Life cycle assessment related to fossil and renewable energy sources.

### Full description

### Learning outcomes

Graduates have acquired adequate knowledge of planning and organization of sustainable energetics processes, issues related to energy conservation and conversion, engineer's profession and career prospects in the labour market. Graduates are able to analyse, assess and offer innovative solutions to technical and technological problems in their speciality. Graduates are able to collect scientific and technological information, interpret and use the data in problem-solving and further training. Graduates are able to understand connections between different processes and to apply theoretical knowledge in process planning and use as well as form proper attitudes to encourage creative activities in their speciality, sense of responsibility and life-long learning. Graduates have been prepared to work in the field of the development of sustainable energetics processes or in other specialized areas, demonstrating initiative and sense of responsibility. Graduates have acquired and are able to assess problems and role of sustainable energetics in the development of society.

### General information

<b>Contact hours per week:</b>	3
<b>Total workload:</b>	150 (in student hours for the whole course)
<b>ECTS credits:</b>	6
<b>Language:</b>	English

**Course start date:** 01 September 2022  
**Course end date:** 25 January 2023  
**Add. info about start date:**  
**Weekly teaching day/time:**  
**Time zone:** CET +1 (Estonia, Israel)  
**Further information:**

**Prerequisites:** No pre-requisites  
**Activities and methods:** Lectures, Exercises  
**Presence on campus:**

## Final examination

**Form:** Test in Moodle environment  
**Date:**  
**Location/format:** online  
**Re-sit possibility:**  
**Transcript available:**  
**Add. info/requirements:**

## Registration

To register for this course, follow the registration requirements of your **home university** as specified here: [www.euroteq.eu/courses-registration](http://www.euroteq.eu/courses-registration).

## Administration

**Number of places:**  
**Minimum participants:**  
**Internal course code:** EIS2100  
**Contact:** [eduard.latosov@taltech.ee](mailto:eduard.latosov@taltech.ee)

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