

## Philosophy of Science

---

**Subject area:** Other subject area

<b>University:</b>	TalTech
<b>Level:</b>	MA1, MA2, MA all years, PhD
<b>Teaching mode:</b>	hybrid: some students participate online, other students attend real-life
<b>Instructor(s):</b>	AHTI-VEIKKO PIETARINEN

### Short description

This course introduces key ideas of philosophy and history of science and technology. Topics covered include scientific methods, hypotheses, theories and laws, predictions and explanations, and how scientific terms are linked with reality. The course is interdisciplinary and covers STEM and social sciences, in order to effectively study the fundamental principles of techno-science and the impact AI has to society and our long-term future and its existential risks.

### Full description

<https://moodle.taltech.ee/course/view.php?id=31238>

### Learning outcomes

At the end of the course, the learner will be able to understand the nature and principles of science and technology in human and social contexts.

### General information

<b>Contact hours per week:</b>	3
<b>Total workload:</b>	156 (in student hours for the whole course)
<b>ECTS credits:</b>	6
<b>Language:</b>	English
<b>Course start date:</b>	01 September 2022
<b>Course end date:</b>	12 December 2022
<b>Add. info about start date:</b>	12 September 2022 (first meeting)

**Weekly teaching day/time:** Mondays 17:15-20:15  
**Time zone:** CET +1 (Estonia, Israel)  
**Further information:**

**Prerequisites:** None  
**Activities and methods:** Lectures, Seminars, Group work, Self-study, Practices, Exercises  
**Presence on campus:** Not required

### Final examination

**Form:** project  
**Date:**  
**Location/format:**  
**Re-sit possibility:** yes  
**Transcript available:** end of semester  
**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:** 12 (flexible)  
**Minimum participants:**  
**Internal course code:** MNF9010  
**Contact:** ahti-veikko.pietarinen@taltech.ee

---

*This course is part of the EuroTeQ Engineering University joint course catalogue 2022/2023. This is a collaborative activity of the partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as Technion. Students from these universities can participate in the offered courses. It is the responsibility of the student to check if you fulfil the requirements to participate in a specific course. Students are also advised to check with*

*their home institution how to get recognition of the ECTS credits gained in courses of the EuroTeQ course catalogue. For further information about EuroTeQ Engineering University, visit [www.euroteq.eu](http://www.euroteq.eu) or get in touch with the above-mentioned point of contact.*