Critical Thinking, Ethics and Scientific Literacy

Subject area: Other subject area

University:	TalTech
Level:	MA1, MA2, MA all years
Teaching mode:	completely online, at specific time
Instructor(s):	Amirouche Moktefi

Short description

Science acquired a central status that makes its claims better regarded in public debates than any other kind of discourse. Technology is deeply changing our lives and affecting our habits. In addition, we are surrounded by information in a rapidly changing society. The aim of the course is to offer an analytical toolkit to understand this techno-scientific world. Students are expected to learn how to construct strong arguments and evaluate the strength of the arguments they face.

Full description

https://ois2.ttu.ee/uusois/subject/MNF5510

Learning outcomes

At the end of the course, the learner will be able to recognise the arguments that others make and evaluate their strengths, errors, fallacies, inconsistencies, biases and can distinguish factual from merely verbal disagreements; to recognise the principles of scientific reasoning and discredit pseudo-scientific claims and arguments; to comprehend the interplay between science, technology and society; to acquire ethical principles with application to problems in contemporary world; to demonstrates advanced reading and writing skills.

General information

Contact hours per week:	4
Total workload:	150 (in student hours for the whole course)
ECTS credits:	6
Language:	English
Course start date:	20 September 2022

Course end date:	29 November 2022
Add. info about start date:	For Autumn 2022, first session takes place on 20 September.
Weekly teaching day/time:	1 session per week
Time zone:	CET +1 (Estonia, Israel)
Further information:	

Prerequisites:	None
Activities and methods:	Lectures, Seminars, Self-study
Presence on campus:	Not required

Final examination

Form:	assignment
Date:	
Location/format:	online
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.

Administration

Number of places:	
Minimum participants:	
Internal course code:	MNF5510
Contact:	amirouche.moktefi@taltech.ee

EuroTeQ Engineering University

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 or get in touch with the above-mentioned point of contact.