

CODE
EAX6040



ECTS credits:
3 ECTS

WHEN AND HOW:

The intensive 4-week course includes online pre-sessions, a 6-day on-site session at TalTech in January, and virtual team-work, mentorship, and finalization of project work in February. See the timeline on page 2 for details.

LANGUAGE: ENG



PARTNERS OF TALTECH:



EINDHOVEN UNIVERSITY
OF TECHNOLOGY (TU/e)



TECHNICAL UNIVERSITY
OF MUNICH (TUM)

ONLINE PRE-SESSIONS:

19.01 & 20.01: LEARN

ON-SITE WEEK:

1. Day 22.01: EXPLORE
2. Day 23.01: IDEATE & CONCEPT
3. Day 24.01: ANALYZE & PLAN
4. Day 25.01: BUILD in TEAMS
5. Day 26.01: WORK in TEAMS
6. Day 27.01: PITCH

VIRTUAL WEEKS:

28.01–4.02 TEST & VALIDATE,
FEEDBACK SESSION 5.02

6.02–12.02 FINALIZE,
FINAL PITCHES 12.02

GREEN DEAL COLLIDER: SUSTAINABLE FUTURES BLENDED INTENSIVE PROGRAMME

TARGET STUDENTS

This course welcomes local and international students from TalTech, EuroTeQ and Erasmus+ partner universities. It is designed primarily for graduate-level students across diverse disciplines, with a preference for those in science, technology, IT, engineering, or business-related fields. While doctoral and master's students are prioritized, students from all academic backgrounds, years, and experience levels are encouraged to apply.

Learners are expected to demonstrate a strong willingness, motivation and initiative to innovate, actively participate in team and challenge-based learning activities. These are essential prerequisites for participating in the course.

*Participation is limited to 45 students.

**B2 level English language is required to enrol in the course

LEARNING OUTCOMES

Students will address societal challenges, offering solutions which are: technologically feasible, environmentally and financially sustainable, societally acceptable, legally doable, and potentially driven by an ethical application of AI.

In the process they develop both knowledge and hands-on skills in:

- Green Deal principles and sustainability practices
- Team dynamics, design thinking, and entrepreneurial start-up skills
- Innovation in product and service development
- Interpersonal effectiveness and transferable professional skills in the AI era

LECTURERS AND MENTORS

- **ERGO PIKAS**, Tenured Assistant Professor, Department of Civil Engineering and Architecture (TalTech)
- **KÄTLIN KANGUR**, Lecturer, Programme Director of Design and Technology Futures (TalTech)
- **GERT GURI**, Coordinator Education on Entrepreneurial Learning, Department of Industrial Engineering & Innovation Sciences (TU/e)
- **ANGELA WESTER**, **DIANE BAUMER** and **PETER FINGER**, EuroTeQ Collider partners (TUM Junge Akademie)

CHALLENGE PARTNERS AND FIELD RELATED MENTORS COME

from FinEst Centre for Smart Cities projects helping students to deal with different green and sustainability related themes to address societal challenges related to urban planning, mobility, security, climate impact, circular economy and energy.

Members from TalTech's research groups in different Schools and Departments will provide technological advice to student teams in their respective projects.

The detailed descriptions of the challenges will be provided in due time prior to the start of the course.

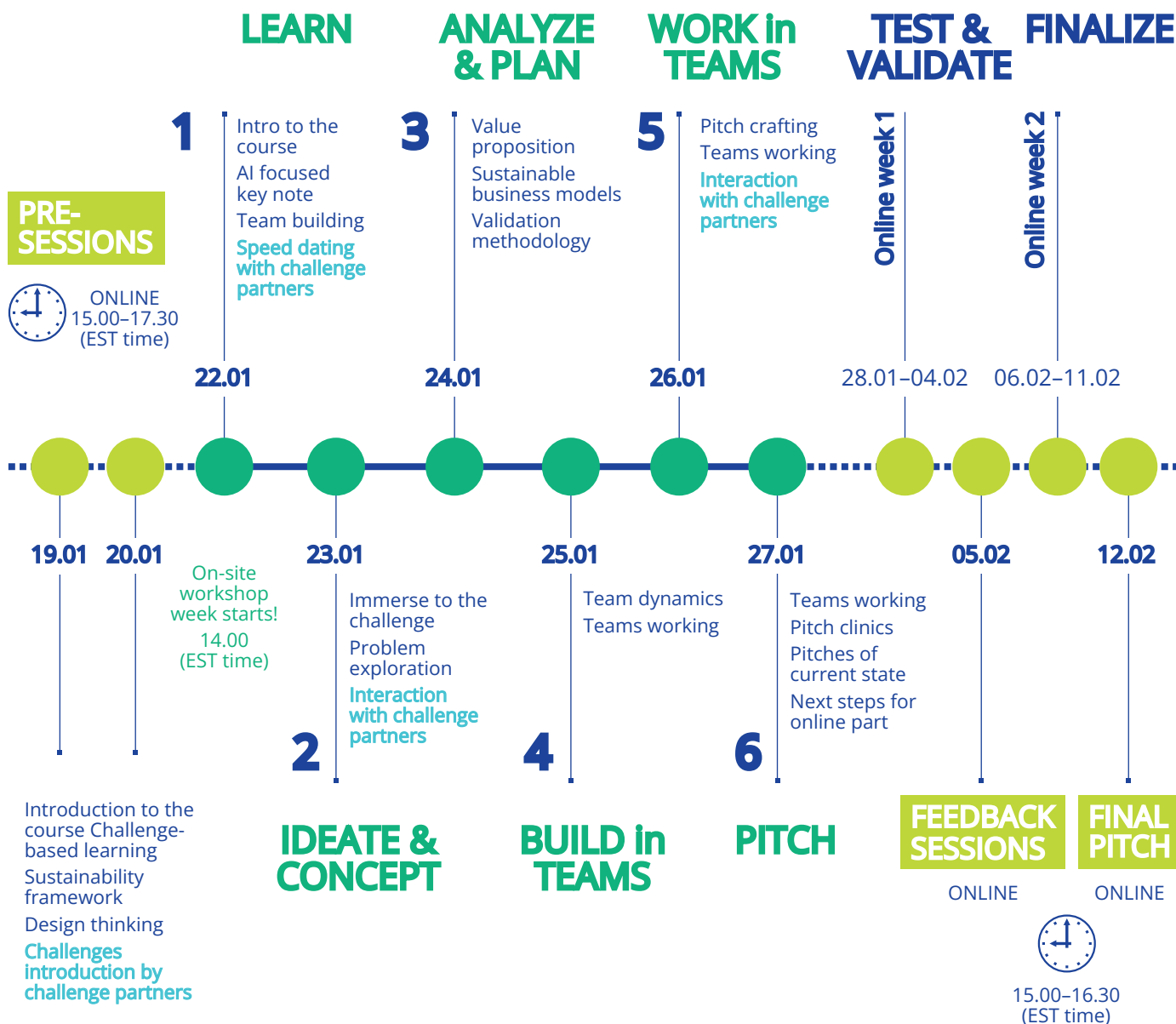
WHY JOIN

- **PARTICIPATE IN CHALLENGE-BASED LEARNING:** Tackle global problems and develop actionable solutions through hands-on activities.
- **EXPERIENCE INTERCULTURAL AND INTERDISCIPLINARY LEARNING AND SOCIAL PROGRAMME:** Engage with diverse perspectives and work alongside students from various countries and disciplines.
- **BUILD ENTREPRENEURIAL AND TRANSFERABLE SKILLS:** Cultivate skills in entrepreneurship, teamwork, and project management.

COURSE PROGRAMME

COURSE TIMELINE

ONLINE PRE-SESSIONS + **ON-SITE 6-DAYS WORKSHOP** + **ONLINE FOLLOW-UP**



FINANCES

- You can apply for an Erasmus+ scholarship (79 EUR/day) for your stay in Tallinn to be provided by your home University*;
- Accommodation with special price in pre-booked rooms at Hessnery Residences**;
- Lunch and social programme are provided by TalTech;
- No fees for the BIP will be charged.

* Contact your home university for short mobility support and apply for 79 EUR/day and travel costs funding provided by your home university

** 21,5 € per night if shared TWIN room, breakfast not included

APPLY

Please contact your International Office for applying, nomination and financial support.

TALTECH CONTACTS

Contact for academic/course-related questions: **ERGO PIKAS**, leading lecturer of the course (ergo.pikas@taltech.ee)

Contact for admission-related questions: **PILLEMARI LILLEORG**, incoming exchange student's manager (pillemari.lilleorg@taltech.ee)