

## Student challenge: Digitainability for EuroTeQ Universities

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<b>University:</b>	TUM
<b>Level:</b>	Foundation year (before BA), BA all years, MA all years, PhD
<b>Teaching mode:</b>	completely online
<b>Instructor(s):</b>	Prof. Dr. Stefan Wurster; Dr. Markus Siewert

### Description

The sustainable and digital transformation can be considered the core challenges of our time. The EuroTeQ universities play a leading role in the design of digital and sustainable transformation processes. Under the motto "Digitainability for EuroTeQ Universities", we offer a teaching project in form of a student challenge across participating EuroTeQ Universities that enables students to develop specific project ideas at the interface of sustainable and digital transformation on the university level. To facilitate students developing their project, we will provide theoretical as well as practical knowledge regarding sustainability and digitalization at the university level. For this we can draw on extensive online materials and practical experience from a teaching project at the TUM (<https://www.hfp.tum.de/en/policy/digital-sustainability-transformation-by-with-and-of-tum/>). Student groups (min. three, max. five persons) from all participating EuroTeQ Universities will be able to register. In a two-day online kick-off-workshop in October 2020, we will provide general knowledge, bring students together with stakeholders and help them to set off their concrete project idea. During the following three month of project development, we will closely monitor the student teams. After that, we will make the results publicly available online and via presentations at a student conference (January 2022). The best contributions will also be awarded in the course of an award ceremony.

### Learning outcomes

After successful participation in this course, students are able: i) to understand and to critically discuss key aspects linked to sustainable and digital transformations, particularly in the context of higher education; ii) to put their knowledge into practice for their own (research) project, and to systematically plan and implement their own projects; iii) to analyze how they can actively shape big transformations in their immediate vicinity.

## General information

**Contact hours per week:** 1  
**Total workload:** 30  
**ECTS credits:** 3  
**Language:** English

**Course start date:** 01/10/2021

**Course end date:** 30/01/2022

**Weekly teaching day/time:** None.

**Time zone:** CET (Denmark, Germany, France, Netherlands, Switzerland, Czech Republic)

**Further information:**

**Prerequisites:** no prerequisites

**Activities and methods:** Group work, Self-study, Tutorial sessions

**Presence on campus:** not required

## Final examination

**Form:** project

**Date:** 30/01/2022

**Location:** online

**Re-sit possibility:** no

**Transcript available:** TUM will issue an official certificate indicating the number of ECTS, grade and workload instead of a transcript of records.

**Add. info/requirements:** no specific equipment required

## 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:** unlimited

**Internal course code:**

**Contact:** EuroteQ.Incoming.zv@tum.de

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*This course is part of the EuroTeQ Engineering University joint course catalogue 2021/22. This is a collaborative activity of the eight partner universities DTU, L'X, TU/e, TalTech, CTU, TUM as well as EPFL and 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.*