

Welcome to LD1010 Digital Transformation and Sustainable Development 4.0 credits. (Fall 2024, period 2)



In this course, you will explore the basics of digital transformation, its role in society, and its connection to sustainability. You will learn about the UN's sustainable development goals and examine case studies on how digital solutions can support sustainability efforts. The course also covers methods for integrating sustainability into digital projects. Finally, you will engage in discussions about the ethical and social impacts of digitalisation and explore future trends in digital transformation.

Content

Module 1:

Introduction to digital transformation

- Basic concepts within digital transformation.
- Historical and contemporary perspectives on the role of digitalisation in society.

Sustainable development and digitalisation

- Overview of UN's sustainable development goals.
- Case studies: Digital solutions for sustainability.

Module 2:

Implementation of digital projects for sustainability

- Methods to integrate sustainability in digital projects.

Critical thinking and perspectives on the future

- Discussion of ethical and social implications of digital transformation.
- Future trends in digital transformation and sustainability.

Intended learning outcomes

Upon completion, the student should be able to:

- Explain the basics of digital transformation and its effect on society.
- Explain digital transformation in an organisational context.
- Relate digital strategies to sustainable development goals and understand how digital transformation can accelerate the realisation of sustainable development goals.
- Analyse and critically review digital solutions for sustainability.
- Apply their knowledge in practical scenarios to promote sustainable development through digital projects.
- Describe the relationship between the strategies of an organisation and their effect on selection, prioritising, and supervision of a project.
- Consider, and make suggestions, how digital transformation for sustainable development can be carried out through projects.

Getting started with the course

1. **Activate a KTH Account:** If you haven't studied at KTH before, you'll need to create a KTH account. Learn more about how to set up your KTH account [here](#). For support with activating your KTH account, you can contact It-support@kth.se
2. **Course registration:** To participate in the course, you must register via Ladok for students. Self-registration is open from Thursday, October 24th to Monday, November 4th. You can find more information about course registration [here](#). If registration via "[Ladok for students](#)" is closed, we can register you manually. Please email: education-itm@kth.se, providing the course number and name, your name, and personal ID number, and we will assist you.
3. **Log in to Canvas:** Once you have created your KTH account and registered for the course, you can log in to the course platform, Canvas, starting on June 10th. On Canvas, you will find all the information and materials you need to complete the course.

Course meetings and deadlines

The course is designed in a flexible manner, allowing you to complete it at your own pace without any set meeting times. The examination is completed individually throughout the course in your own pace online. After the final individual submission, a peer-review process takes place, where participants evaluate each other's work. There are no mandatory course meetings. Instead, students can participate in discussion forums and interact with other students and the instructor.

The course session you've been admitted to runs from 28 October 2024 to 23 January 2025.

For each module, there are set dates when approved results are reported in Ladok. This means you can work on the assessments flexibly throughout the course. Once all parts of the exam for a module are completed with a passing grade, the results will be reported on the next scheduled reporting date, which will also be the date for your grade.

For this session, LD1010 Fall 2024 (Period 2), the following **LADOK reporting dates** apply:

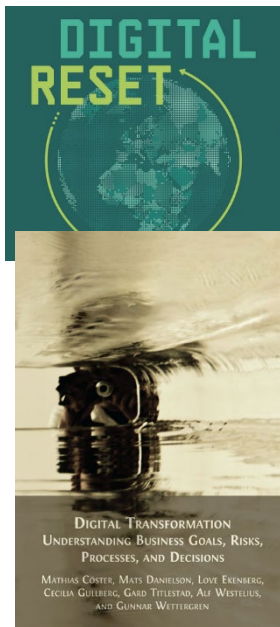
- Thursday, December 19, 2024
- Thursday, January 9, 2025

(Within 14 days after the examination date, the results will be reported to Ladok.)

In order to complete all parts of the examination within the course's time frame, we recommend adhering to the **suggested individual deadlines provided below**. Please note that the examination for module 2 involves a peer-review process.

- **Monday 18th November:** Quiz 1 - Module 1
- **Monday 18th November** Forum Post - Module 1
- **Monday 9th December** Video Submission to **Instructor** - Module 2
- **Monday 9th December** Text Submission to Peer- Module 2
- **Monday 16th December** Peer Review of a Text submission Module 2

Course literature



Mandatory: Digitalization for Sustainability (D4S), 2022: Digital Reset. Redirecting Technologies for the Deep Sustainability Transformation. Berlin: TU Berlin. *(The pre-published book is available as a pdf to be downloaded and used during the course.)* [Download book here](#)

Good to have: Course book: Cöster, M., Ekenberg, L., Gullberg, C., Titlestad, G, Westelius, A. and Wettergren, G., Digital Transformation Organisations, Processes, Decisions. *The pre-published book is available as a pdf to be downloaded and used during the course. This is also licensed under Creative Common and freely available.* [Download book here](#)

Throughout the course, you will gain access to articles and other media, which are also a significant part of literature.

Once again, a warm welcome to the course!

The Digital Learning Team

Contact:

Questions regarding the course: digitallearning-support@kth.se

If you have a disability, you can receive support through *Funka*: <https://www.kth.se/student/studentliv/funktionsnedsattning>