General course information

Digital Transformation

The course *Digital Transformation* is for doctoral students. This course consists of self-study elements and online meetings, including forum discussions. The main objective of the course is to provide opportunities for participants to learn and explore how digitalization can contribute to the implementation of the UN sustainable development goals – to trigger transformation for sustainable development.

Course content and structure

The course is based on selected literature and active participation in online seminars, forum discussions. To write two assignments and do peer reviewing are mandatory in order to pass the course. The forum discussions and meetings are important aspects and will help you to achieve the learning objectives. Main topics in the course are 1) digital transformation and sustainable development, and 2) digital transformation for sustainable development implemented through projects.

Intended learning objectives

After completing the course, the course participant should be able to:

- Understand digital transformation in an organisational context.
- Understand how digital transformation can be related to sustainability and can accelerate the achievements of the Sustainable Development Goals.
- Locate and analyse appropriate scholarly and other resources regarding such transformations.
- Understand the relation between an organisation's strategies and their impacts on selection, prioritisation and monitoring of a project.
- Consider and suggest how digital transformation for sustainable development could be implemented through projects.

Pedagogical approach

The course has been designed with the learner in focus and takes into consideration how learners engage with the course material and other participants. The assignments involve writing based on reflections with clear reference to course literature and peer reviews. Engagement with other course participants is expected through feedback work and participation in forum discussions. Reading, reflection and discussions are essential parts of the learning environment of the course.

Scheduled online meetings in zoom

https://kth-se.zoom.us/j/68873169093 (meeting ID: 688 7316 9093)

- **Meeting 1, panel with the course organisers and the start of the course:**
  Wednesday, 8 February 2023 (9:00 – 10:30)
  Opportunity to ask general questions about the course content and structure as well as meet the people involved in the course.

- **Meeting 2, assignment 1:** Wednesday, 22 February 2023 (9:00 – 10:30)
  Introduction and questions related to assignment 1.

- **Meeting 3, assignment 2**: Wednesday, 29 March 2023 (9:00 – 10:30)
  Introduction and questions related to assignment 2.

- **Meeting 4, lessons learned**: Wednesday, 10 May 2023 (9:00 – 10:00)
  Reflections on how the learners have experienced the course.

Language

English

Examination

To pass the course you have to:
- Write two individual assignments
- Write two peer reviews, one for each assignment

All assignments and peer reviews should be submitted to the appropriate Forum in the course website.

Course literature

Course book: Cöster, M., Ekenberg, L., Gullberg, C., Titlestad, G, Westelius, A.and Wettergren, G., Digital Transformation Organisations, Processes, Decisions. The pre-published book will be available as a pdf to be downloaded and used during the course.

Additional information

Course responsible

Johan Thorbiörnson johantor@kth.se

Henrik Hansson, e-post: henrik.hansson@dsv.su.se

Course examiner

Ernest Ampadu, ernesta@kth.se

Learning platform

LMS lms.idocos.eu

Certificates

The participants selected for the course will receive a certificate. To receive a certificate on the course, all assignments, including the peer reviews feedback parts, must be completed.

Assignments

Assignment 1: Digital transformation and sustainable development

Course book: Cöster, M., Ekenberg, L., Gullberg, C., Titlestad, G, Westelius, A.and Wettergren, G., Digital Transformation Organisations, Processes, Decisions. The pre-published book will be available as a pdf to be downloaded and used during the course.

For assessment 1 *Digital transformation and sustainable development*, read the following chapters in the course book:

1. Introduction
2. Digital transformation
3. Organisational goals, strategies and digitisation
4. Business models and digitisation
5. The organisation of digitisation

In addition, read the following report before completing assignment 1: Digitalization for Sustainability (D4S), 2022: Digital Reset. Redirecting Technologies for the Deep Sustainability Transformation. Berlin: TU Berlin. https://doi.org/10.14279/depositonce-16187.2

Assignment 2: Implementing digital transformation for sustainable development through projects

Read the following chapters of the course book:

9. Project portfolio
10. To manage projects
11. What is this about?