



## COURSE SYLLABUS

# Trends within IT Infrastructure and Network Design, 7.5 credits

*Trender i IT-infrastruktur och nätverksdesign, 7,5 högskolepoäng*

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<b>Course Code:</b> TWAK10	<b>Education Cycle:</b> First-cycle level
<b>Confirmed by:</b> Dean Dec 1, 2019	<b>Disciplinary domain:</b> Technology
<b>Revised by:</b> Director of Education Nov 15, 2021	<b>Subject group:</b> TE9
<b>Valid From:</b> Jan 1, 2022	<b>Specialised in:</b> G1F
<b>Version:</b> 3	<b>Main field of study:</b> Informatics

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall

Knowledge and understanding

- have knowledge of current and future trends in the field of IT infrastructure and network design
- show familiarity with one or more current trends, and their impact on the industry as a whole

Skills and abilities

- demonstrate the ability to orally present and discuss one or more current trends in dialogue with others

Judgement and approach

- demonstrate the ability to make assessments taking into account relevant scientific, societal and ethical aspects
- demonstrate the ability to reflect on their own need for knowledge and skills development based on future and current trends

### Contents

The course aims to explore current and future trends in the field of IT infrastructure and network design, as well as other areas related to the study program.

The course includes the following elements:

- Current and future trends
- Concentration on one or more current focus areas

### Type of instruction

Lectures, laboratory works and seminars.

The teaching is conducted in English.

**Prerequisites**

General entry requirements and completed course Operating Systems for Infrastructure, 12 credits (or the equivalent).

**Examination and grades**

The course is graded 5,4,3 or Fail.

Registration of examination:

Name of the Test	Value	Grading
Project Work <sup>1</sup>	4.5 credits	5/4/3/U
Laboratory Work	1.5 credits	U/G
Seminars	1.5 credits	U/G

<sup>1</sup> Determines the final grade of the course, which is issued only when all course units have been passed.

**Course literature**

The literature list for the course will be provided 8 weeks before the course starts.

The course consists of compendium, articles and book chapters that are available via the library and the learning platform.