DH2309 Introduction to Extended Reality in a Business-Oriented Context 3.0 credits

Introduktion till utvidgad verklighet i ett affärsorienterat sammanhang

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

The official course syllabus is valid from the autumn semester 2026 as decided by the faculty board decision HS-2025-2401. Date of decision 2025-10-07

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Skills in scientific thinking and writing through one of the following:

- degree awarded with at least 180 credits
- completed degree project aiming for a degree of at least 180 credits

Intended learning outcomes

After passing the course, the student should be able to

- explain what extended reality (XR) is, its history and current trends
- describe the financial context XR currently finds itself in, including relevant historical predecessors and current representatives who can be considered trend-setters
- describe and propose their own ideas for XR-related startups and companies
- analyze the business conditions for their own ideas and reflect on their consequences.

Course contents

The course is organized in a series of thematic seminars, guest lectures, study visits and practical labs. Main content includes:

- Terminology for augmented reality (XR).
- Technologies within XR.
- Historical precursors to XR.
- Players in the XR market.
- Market segments using XR.
- Trends within XR.

Examination

- INL1 - Written Reflection, 1.5 credits, grading scale: P, F
- INL2 - Analytical Report, 1.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability. The examiner may apply another examination format when re-examining individual students. If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.