Course syllabus

Digital Accessibility
Digital tillgänglighet

TNSN05, 7.5 credits, A (Second Cycle)

Valid for: 2025/26
Faculty: Faculty of Engineering LTH
Decided by: PLED ID
Date of Decision: 2025-03-25
Effective: 2025-05-05

General Information

Depth of study relative to the degree requirements: Second cycle, in-depth level of the course cannot be classified
Elective for: C4-adv, D5-se, D5-bg
Language of instruction: The course will be given in Swedish

Aim

The purpose of the course is for the students to gain knowledge and skills to be able to develop more accessible products and services according to Swedish legislation which is based on the EU's accessibility directive.

Diversity and inclusion are part of sustainable development, and link to several of the goals in Agenda 2030, eg 3: good health and well-being, goal 4: good education for all, goal 5: gender equality, goal 8: decent work and economic growth, goal 10: reducing inequality, goal 11: sustainable cities and communities, goal 16: peaceful and inclusive communities.

Learning outcomes

Knowledge and understanding
For a passing grade the student must

- be able to explain the structure and parts of the content of the EU standard EN 301 549 "Accessibility requirements for ICT products and services".
- be able to reflect on the connection between the content of the EU standard EN 301 549 and its importance for people with disabilities when using digital products and services.

Competences and skills
For a passing grade the student must

- be able to develop a digital product or service that meets parts of the EU standard EN 301 549 "Accessibility requirements for ICT products and services" which includes the Web Content Accessibility Guidelines (WCAG 2.1).

Judgement and approach
For a passing grade the student must

- be able to account for why the accessibility directive could be important for an inclusive society.

Contents

Guest lectures by people with disabilities.

Lectures on the EU standard EN 301 549 "Accessibility requirements for ICT products and services" which includes the Web Content Accessibility Guidelines (WCAG 2.1).

Practical tasks where accessibility is made visible, and reflection essays built on the tasks.

A programming project where some of the accessibility requirements must be applied. The project is carried out in pairs.

Examination details

Grading scale: TH - (U, 3, 4, 5) - (Fail, Three, Four, Five)
Assessment:

At least 75% attendance at the guest lectures by people with disabilities.

Approved laborations with short reflection essays.

Approved programming project.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Modules
Code: 0124. **Name:** Guest Lectures and Laboratories.
Credits: 3.5. **Grading scale:** UG - (U, G). **Assessment:** 75 % attendence at guest lectures. Approved laborations. **The module includes:** Guest lectures. Laborations.
Code: 0224. **Name:** Project.
Credits: 4.0. **Grading scale:** TH - (U, 3, 4, 5). **Assessment:** Approved programming project.

Admission

Assumed prior knowledge: EDAF90 Web Programming
The number of participants is limited to: No

Reading list

- Yeliz Yesilada, Simon Harper: Web Accessibility - A Foundation for Research. Springer, 2019, ISBN: 978-1-4471-7439-4. Optional literature.
  https://link.springer.com/book/10.1007/978-1-4471-7440-0
- ETSI CEN CENELEC: EU-standarden EN 301 549, V3.2.1 (2021-03), "Accessibility requirements for ICT products and services". 2021. Available at Lund University.
  https://www.etsi.org/deliver/etsi_en/301500_301599/301549/03.02.01_60/en_301549v030201p.pdf

Contact

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