

COURSE SYLLABUS

Challenges in Research on Health and Welfare Technology: from User Needs to Sustainable Implementation, 7.5 credits

Utmaningar inom forskning om hälsa och välfärdsteknologi: från användarbehov till hållbar implementering, 7.5 högskolepoäng

Course Code: FH3UIFO	Education Cycle: Third-cycle level
Confirmed: May 13, 2025	
Valid From: Jan 19, 2026	

Intended Learning Outcomes (ILO)

After completion of course the student is expected to have below skills and knowledge:

Knowledge and understanding

- describe the knowledge complexity in digitalisation and the use of health and welfare technology, participatory design and implementation.
- explain theoretical and methodological perspectives on research on digitalisation and use of health and welfare technology, participatory research and implementation science.

Skills and abilities

- use definitions and important concepts in research on digitalisation and the use of health and welfare technology, participatory research and implementation science.
- problematize and critically discuss evidence-based practice in relation to co-creative digitalization and participatory research and implementation of health and welfare technology.

Judgement and approach

- critically analyse and evaluate participatory theory and methods based on ethical approaches.
- independently and critically reflect and problematize the possibilities and limitations of research on digitalisation and the use of health and welfare technology, participatory research and implementation.

Content

- the complexity in research on health and welfare technology
- theories, models and research methods within co-production and participatory design
- theories, models, and research methods within implementation research
- the process from needs to implementation
- ethical considerations

Type of instruction

The course is webbased and implemented through lectures (live-streamed or recorded), workshops, seminars and group exercises and individual study assignments via the Jönköping university's learning platform

Language of instruction is in English.

Entry requirements

The applicant must hold a degree at advanced level or passed course requirements of at least 240 credits including 60 credits at advanced level including a thesis of 15 credits (or the equivalent).

Examination and grades

The course is graded Pass (G) or Fail (U).

Examination will be based upon seminars and an individual written assignment.

Registration of examination:

Name of the Test	Value	Grading
Seminars	3 credits	G/U
Written assignment	4.5 credits	G/U

Other information

Selection for admission:

1. Students registered in the third-cycle programme at Jönköping University, Halmstad University or Mälardalen University.
2. Students registered in the third-cycle programme at another university.
3. Other applicants: admission based on the number of credits (the applicants will be selected randomly in the case of equal merits).

Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.

Swedish Government & the Swedish Association of Local Authorities and Regions. (2020) A strategy for implementing Vision for eHealth 2025. Available at: https://ehalsa2025.se/wp-content/uploads/2021/02/Strategy-2020-2022_eng.pdf

Barlow, James. (2017) Why do we need to understand healthcare innovation? In: Managing Innovation in Healthcare (pp. 1-18). World Scientific. (Free access via google books.)

Bhattacharyya, O., Reeves, S. & Zwarenstein, M. (2009) What is implementation research? Rationale, concepts, and practices. *Research Social Work Practice*, 19(5), 491-502.

Brandsen, T., Steen, T. & Verschuere, B. (2018). Co-production and Co-creation. *Engaging Citizens in Public Services*. Routledge. www.taylorfrancis.com/books/e/9781315204956

Greenhalgh, T., Robert, G., Macfarlane, F., Bate, P., & Kyriakidou, O. (2004). Diffusion of Innovations in Service Organizations: Systematic Review and Recommendations. *The Milbank Quarterly*, 82(4), 581-629

Loefler, E. (2021). *Co-production of public services and outcomes*. Palgrave Macmillan Cham.

Nilsen, P. (2015) Making sense of implementation theories, models and frameworks. *Implementation Science*, 53(10), 1-13

Nilsen, P. (2024). *Implementation Science: Theory and Application*. Routledge, Publishing.

Proctor, E., Silmere, H., Raghavan, R., Hovmand, P., Aarons, G., Bunger, A., Griffey, R. & Hensley, M. (2011) Outcomes for Implementation Research: Conceptual Distinctions, Measurement Challenges, and Research Agenda. *Administration and Policy in Mental Health and Mental Health Services Research*, 38 (2) nr 2, 65-76

Swedish Government & the Swedish Association of Local Authorities and Regions. (2021) Vision for eHealth 2025: Common starting points for digitization of social services and health care. Available at: ehalsa2025.se/wp-content/uploads/2021/02/vision-for-ehealth-2025.pdf

The most recent editions of course literature should be used.

Scientific articles and reports may be added.