



COURSE SYLLABUS

Gerontechnology for Health, Participation, and Quality of Life, 4.5 credits

Geronteknologi för hälsa, delaktighet och livskvalitet, 4,5 högskolepoäng

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| Course Code: FHGHD33 | Education Cycle: Third-cycle level |
| Confirmed by: Utbildningsrådet May 23, 2023 | |
| Valid From: Autumn 2023 | |
| Version: 1 | |

Intended Learning Outcomes (ILO)

Upon completion of the course the student should have the ability to:

Knowledge and understanding

discuss gerontechnology in terms of concepts, applications, and impact on older people.

Skills and abilities

identify and define a challenge or a need experienced by older people that impacts on their health, participation, and quality of life

- apply research methods and ethical approaches in the design of a transdisciplinary gerontechnological research project with contribution in their own field of study, to address an identified challenge.

Judgement and approach

reflect on the collaboration and communication in designing a gerontechnological research project.

Contents

gerontechnology

- digitalization and digitalized products and services
- older persons, including their needs, interests, preferences, skills, and experiences of technology
- health, participation, and quality of life in digital societies
- research methods
- user-centered approach
- co-production
- ethical, legal, and social issues

Type of instruction

The course is conducted through lectures and group discussions as well as collaborative work in pair or small group, through online platforms.

The teaching is conducted in English.

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Prerequisites

To be enrolled in the course the student should have 240 credits in health, social or engineering sciences, 60 of which should be at the advanced level, or the equivalent. English proficiency is required.

Examination and grades

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

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The course is examined through a proposal for a gerontechnological research project to be presented and discussed in a seminar as well as participation in a reflection seminar.

The course examiner is an associate professor or professor.

Registration of examination:

| Name of the Test | Value | Grading |
|--|-------------|---------|
| Proposal for a gerontechnological research project including presentation in a seminar | 4 credits | U/G |
| Reflection seminar | 0.5 credits | U/G |

Course evaluation

The course coordinator collates and comments on the evaluation before submitting it to the Board of Research Education at the Research School of Health and Welfare at School of Health and Welfare.

Course literature

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Course literature

Joyce, K., & Loe, M. (Eds.). (2010). Technogenarians studying health and illness through an ageing, science, and technology lens. Wiley-Blackwell.

Peine, A. (Ed.). (2020). Socio-gerontechnology: Interdisciplinary critical studies of ageing and technology. Routledge.

The latest edition of the course literature will be used. There may be journal articles and additional reference literature.

Recommended journal: Gerontechnology, Official Journal of the International Society of Gerontechnology