



## DEPARTMENT OF NEUROBIOLOGY, CARE SCIENCES AND SOCIETY

### **H1F6060, Multidisciplinary Approaches to Aging Research in Healthcare Sciences, 3 credits (hec)**

Multidisciplinära tillvägagångssätt för äldreforskning inom hälsovetenskap, 3 högskolepoäng

*Third-cycle level / Forskarnivå*

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#### **Approval**

This syllabus was approved by the The Committee for Doctoral Education on 2025-02-08, and is valid from autumn semester 2025.

#### *Responsible department*

Department of Neurobiology, Care Sciences and Society, Faculty of Medicine

#### **Prerequisite courses, or equivalent**

No prerequisite courses, or equivalent, demanded for this course.

#### **Purpose & Intended learning outcomes**

##### **Purpose**

This course provides students with comprehensive, multidisciplinary knowledge in aging research. Drawing on examples from multiple fields, such as nutrition, nursing, occupational therapy, physiotherapy, psychology, speech therapy, and social work, it explores the complexities of aging and the challenges of aging research. It promotes critical discussions on methodological challenges in healthcare sciences and provides the students with relevant knowledge that allows them to engage in discussions about the complexities of aging from multiple perspectives.

##### **Intended learning outcomes**

After completing the course, the student is expected to be able to:

- Demonstrate reflective reasoning and critical thinking in addressing methodological challenges

in aging research within healthcare science

· Critically reflect on the complexities of aging, integrating knowledge from multiple fields

## Course content

The course offers an in-depth exploration of current aging research through a coordinated series of lectures, discussions, and debates. It adopts a multidisciplinary approach, exploring the complexities of aging using diverse research methods, such as qualitative studies, population-based research, clinical trials, complex interventions, and implementation research.

Students will delve into the course content from the perspective of their own disciplinary backgrounds and research fields, while also gaining insights from other healthcare science disciplines. Examples will be drawn from multiple healthcare science disciplines, such as nutrition, nursing, occupational therapy, physiotherapy, psychology, speech therapy, and social work, providing a comprehensive understanding of aging from multiple points of view.

## Forms of teaching and learning

The course comprises a series of lectures, discussions, and debates, with both oral and written examinations as part of the summative assessment. A blended-learning approach with campus meetings mixed with online-learning will be used. Learning activities will include self-study, lectures, and interactive discussions, to promote reflective reasoning and critical thinking, and facilitate knowledge integration.

### *Language of instruction*

The course is given in English

## Grading scale

Pass (G) /Fail (U)

## Compulsory components & forms of assessment

### Compulsory components

Mandatory attendance to all seminars. Absence can be compensated with supplementary written task.

### Forms of assessment

The examination will include a group oral presentation and an individual written assignment. Each participant must demonstrate that they have achieved all the Intended Learning Outcomes.

## Course literature

Recommended course literature:

· García-Peña C, Gutiérrez-Robledo LM, Pérez-Zepeda MU. Aging Research - Methodological Issues, 2nd edition. Springer International Publishing, 2015

Relevant scientific articles will be added.