



**Karolinska
Institutet**

Course syllabus for

Illness in Older People - Diagnostics, Treatment and Care, 7.5 credits

Ohälsa hos äldre - diagnostik, behandling och vård, 7.5 hp

This course syllabus is valid from autumn 2017.

Please note that the course syllabus is available in the following versions:

[Autumn2013](#) , [Autumn2014](#) , [Autumn2015](#) , [Spring2016](#) , [Autumn2017](#) , [Spring2018](#) , [Autumn2018](#) , [Autumn2019](#) , [Autumn2020](#)

Course code	2VA008
Course name	Illness in Older People - Diagnostics, Treatment and Care
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Nursing
Level	AV - Second cycle
Grading scale	Pass, Fail
Department	Department of Neurobiology, Care Sciences and Society
Decided by	Programnämnd 9
Decision date	2013-04-26
Revised by	Education committee NVS
Last revision	2017-04-25
Course syllabus valid from	Autumn 2017

Specific entry requirements

Registered nurse certified by the National Board of Health and Welfare. A Degree of Bachelor of Science in Nursing, or a Bachelor's Degree in Nursing of at least 180 hp. Furthermore, knowledge in Swedish and English is required, corresponding to Svenska B/Svenska 3 and Engelska A/Engelska 6 (with at least the grade Passed/E).

Students who fail a clinical placement (or equivalent) as a result of demonstrating such a serious lack of knowledge, skills or attitude that patient safety or the patients' confidence in medical care is at risk, will only be qualified for a new clinical placement once the individual action plan has been carried out.

Objectives

The general aim of the course is that, based on the area of responsibility of the specialist nurse, the student develops the abilities to independently and in close cooperation with other medical professionals diagnose and treat illness in the elderly and to consider the family around the individual.

The course consists of three modules:

1. Diagnostics and treatment of disease in the elderly, 4 credits
2. Clinical Education, 1,5 credits
3. Scientific theory and methods: Intervention studies, 2 credits

Module 1

Knowledge and understanding

On completion of the course, the student should be able to:

- explain the aetiology, pathophysiology, symptoms, diagnostics, prevention and treatment of the most common and most serious diseases for the older .
- identify and remedy drug-related problems within the area of responsibility
- identify and use IT-based support related to diagnostics and treatment,
- together with other professionals participate in good care of the older person

Skills and abilities

On completion of the course, the student should:

- be able to collect, analyse and communicate medical information for diagnostics, pharmacological and non-pharmacological treatment.
- demonstrate the ability to assess and act in sudden disease in the elderly,

Judgement and approach

On completion of the course, the student should:

- demonstrate empathetic ability and be able to reflect on ethical situations in the final stages of life.

Module 2

Module 3

Knowledge and understanding

On completion of the course, the student should be able to:

- critique and evaluate different designs for interventional studies,
- account for commonly occurring concepts within intervention research.

Skills and abilities

On completion of the course, the student should:

- be familiar with statistical methods and process evaluation commonly occurring in interventional studies in care of the elderly

Judgement

On completion of the course, the student should:

- be able to evaluate strengths and weaknesses in knowledge compiled through intervention research and be able to evaluate how the knowledge can be used in nursing
- demonstrate the ability to apply research ethics principles and guidelines and evaluate research ethics principles and guidelines in research and development

Content

The course consists of three modules:

Diagnostics and treatment of illness in the elderly, 4 hp

- Health problems and needs in the elderly:
 - physical health/disease
 - mental health/disease
 - multi-morbidity in the elderly
- Medical information transfer/communication of medical information, including the elderly and eHealth
- Drugs and the elderly, drug review and patient information
- teamwork
- Patient security, laws and regulations
- Ethics

Clinical Education, 1.5 hp Scientific theory and methods: Intervention studies, 2 hp

- Design of interventional studies
- Hypothesis testing
- Dependent and independent variables
- Internal and external validity
- Inferential statistics
- Research ethics
- Process evaluation

Teaching methods

The education is based on a problem-oriented (examining) and collaborative view on learning. This approach implies that the student is an active participant in the learning process and is encouraged to take responsibility while learning takes place through close cooperation between students, teachers within and between the courses and the programs. Different educational working methods such as individual study assignments, work in groups, discussions and seminars and lectures occur. Field study with study visits is included.

Activity-integrated learning can take place at the student's workplace or at geriatric clinic in Stockholm county.

Study assignments, seminars and timetabled group meetings are compulsory. The course coordinator decides whether, and if so how, absence from compulsory course elements can be made up. Study results cannot be reported until the student has participated in compulsory course elements or compensated for any absence in accordance with instructions from the course coordinator. Absence from a compulsory course element could mean that the student can not retake the element until the next time the course is offered.

Examination

The course includes three examinations:

Module 1. Individual written examination that is mainly based on a case/situation description.

Module 2. Clinical examination

Module 3. Individual written examination

Students who do not pass a regular examination are entitled to re-sit the examination on five more occasions. A student without approved results after three completed examinations may be offered the opportunity to retake a module or course once more. This is subject to availability. If the student has failed six examinations/tests, no additional examinations are given. Each occasion the student participates in the same test counts as an examination. Submission of a blank exam paper is regarded as an examination. In the case a student is registered for an examination but does not attend, this is not regarded as an examination. A home examination that has been opened via the learning management

system counts as an examination session even if the examination is not submitted. Late submissions of examinations are not accepted. Students who have not submitted on time are referred to re-examination.

Other directives

Course evaluation is carried out according to the established guidelines of the Board of Education.

Literature and other teaching aids

Boken om demenssjukdomar

Basun, Hans

1. uppl. : Stockholm : Liber, 2013 - 368 s.

ISBN:978-91-47-10555-7 LIBRIS-ID:14555809

[Library search](#)

Evidence-based geriatric nursing protocols for best practice

Boltz, Marie

4. ed. : New York : Springer, cop. 2012 - xvii, 721 s.

ISBN:978-0-8261-7128-3 LIBRIS-ID:12566887

[Library search](#)

Farmakologi

Lindström, Erik; Norlén, Per

3. uppl. : Stockholm : Liber, 2014 - 443 s.

ISBN:9789147114221 LIBRIS-ID:16357182

[Library search](#)

Dehlin, Ove; Rundgren, Åke

Geriatrik

3., rev. och uppdaterade uppl. : Lund : Studentlitteratur, 2014 - 496 s.

ISBN:9789144092058 LIBRIS-ID:16601087

[Library search](#)

Faxén Irving, Gerd; Karlström, Brita; Rothenberg, Elisabet

Geriatrisk nutrition

2., [uppdaterade] uppl. : Lund : Studentlitteratur, 2016 - 368 s.

ISBN:9789144099965 LIBRIS-ID:19776451

[Library search](#)

Geriatrisk omvårdnad : god omsorg och vård till den äldre

Kirkevold, Marit; Brodtkorb, Kari; Hylén Ranhoff, Anette

Bolinder-Palmér, Inger; Olsson, Kristina

Stockholm : Liber, 2010 - 516 s.

ISBN:978-91-47-09358-8 LIBRIS-ID:11372475

URL: [Omslagsbild](#)

[Library search](#)

Statens beredning för medicinsk utvärdering (SBU)

Omhändertagande av äldre som inkommer akut till sjukhus med fokus på sköra äldre

SBU, 2013

URL: [SBU:s sida](#)

Polit, Denise F.; Beck, Cheryl Tatano

Nursing research : generating and assessing evidence for nursing practice

9.ed. : Philadelphia : Wolters Kluwer Health/Lippincott Williams & Wilkins, cop. 2012 [dvs 2011] - xiv, 802 s.

ISBN:978-1-60547-708-4 (hardback) LIBRIS-ID:12094617

[Library search](#)

Omvårdnad på avancerad nivå : kärnkompetenser inom sjuksköterskans specialistområden

Edberg, Anna-Karin

1. uppl. : Lund : Studentlitteratur, 2013 - 264 s.

ISBN:9789144071459 LIBRIS-ID:14649029

URL: [Webbdel \(aktiveringskod krävs\)](#)

[Library search](#)

Omvårdnad vid neurologiska sjukdomar

Gottberg, Kristina

1. uppl. : Lund : Studentlitteratur, 2015 - 194 s.

ISBN:9789144055008 LIBRIS-ID:17665168

[Library search](#)

Team i vård, behandling och omsorg : erfarenheter och reflektioner

Berlin, Johan; Carlström, Eric; Sandberg, Håkan

1. uppl. : Lund : Studentlitteratur, 2009 - 279 s.

ISBN:978-91-44-05509-1 LIBRIS-ID:11494396

[Library search](#)

Kragh, Annika

Äldres läkemedelsbehandling : orsaker och risker vid multimedicingering

2. uppl. : Lund : Studentlitteratur, 2013 - 235 s.

ISBN:9789144090870 LIBRIS-ID:14834099

[Library search](#)

In-depth literature

Wisten, Aase; Rundgren, Åke; Larsson, Berit

Akutgeriatrik

1. uppl. : Lund : Studentlitteratur, 2013 - 277 s.

ISBN:9789144069838 LIBRIS-ID:14069870

[Library search](#)

Birkler, Jacob; Dahl, Mads Ronald

Den digitala patienten

1. uppl. : Stockholm : Liber, 2014 - 123 s.

ISBN:9789147106561 LIBRIS-ID:14722222

[Library search](#)

Klinisk undersökningsmetodik för sjuksköterskor / Carol L. Cox (red.) ; översättning: Göran Grip.

Boswell, Graham; Callaghan, Patrick; Edie, Jennifer; Gibbons, Helen; Lack, Victoria; Lee, Polly; Lynch, Antonia; McGrath, Anthony; Whiteing, Nicola; Young, Christopher Richard

Cox, Carol L.

1. uppl. : Lund : Studentlitteratur, 2015 - 336 s.

ISBN:9789144095035 LIBRIS-ID:17592969

[Library search](#)

Nursing diagnosis : application to clinical practice

Carpenito-Moyet, Lynda Juall

14. ed. : Philadelphia, Pa. : Wolters Kluwer Health/Lippincott Williams & Wilkins, cop. 2013 - xvii, 998 s.

ISBN:978-1-60831-109-5 LIBRIS-ID:13523937

[Library search](#)

Personcentrering inom hälso- och sjukvård : från filosofi till praktik

Ekman, Inger

1. uppl. : Stockholm : Liber, 2014 - 261 s.

ISBN:978-91-47-11405-4 LIBRIS-ID:14843107

[Library search](#)

Björk, Jonas

Praktisk statistik för medicin och hälsa

1. uppl. : Stockholm : Liber, 2011 - 327 s.

ISBN:91-47-10343-4 (korr.) LIBRIS-ID:12055810

[Library search](#)

Researching later life and ageing : expanding qualitative research horizons

Leontowitsch, Miranda

Houndmills, Basingstoke, Hampshire : Palgrave Macmillan, 2012. - xi, 216 s.

ISBN:978-0-230-28047-2 LIBRIS-ID:13487577

URL: [Länk](#)

[Library search](#)

Stroke : patienters, närståendes och vårdares perspektiv

Jönsson, Ann-Cathrin

1. uppl. : Lund : Studentlitteratur, 2012 - 326 s.

ISBN:978-91-44-06812-1 LIBRIS-ID:13501329

[Library search](#)

Äldres hälsa : ett sjukgymnastiskt perspektiv

Rydwik, Elisabeth

1. uppl. : Lund : Studentlitteratur, 2012 - 406 s.

ISBN:978-91-44-07312-5 LIBRIS-ID:13461362

[Library search](#)