



**Karolinska
Institutet**

Course syllabus for

Nursing in Asthma, Allergy and COPD, part 2, 15 credits

Omvårdnad vid astma, allergi och KOL, del 2, 15 hp

This course syllabus is valid from autumn 2016.

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

Autumn2016 , [Autumn2019](#) , [Autumn2020](#) , [Autumn2022](#)

Course code	2QA262
Course name	Nursing in Asthma, Allergy and COPD, part 2
Credits	15 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Nursing
Level	Second cycle, has second-cycle course/s as entry requirements
Grading scale	Fail (U) or pass (G)
Department	Department of Clinical Science and Education, Södersjukhuset
Decided by	Board of Higher Education
Decision date	2015-12-22
Course syllabus valid from	Autumn 2016

Specific entry requirements

At least 120 credits within which it should be included a nurse degree and the course *Nursing in Asthma, Allergy and COPD, part 1, 15 credits* or the equivalent. And proficiency in Swedish and English equivalent to Swedish B/Swedish 3 and English A/English 6.

Objectives

The aim is that the students should have acquired advanced knowledge within nursing at diagnostics, treatment at asthma and allergy on completion of the course and COPD and have developed his ability to work based on evidence-based care.

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

Knowledge and understanding

- Analyse and reflect on causalities for origin, development of asthma and allergy and chronic obstructive lung disease (COPD) and preventive measures at these diseases.
- Analyse and reflect for the immunological mechanisms at allergy disease.

- Analyse and account for basic lung physiology and differential diagnosis at asthma and COPD.
- Analyse, reflect, and justify to classic and more specialised allergy diagnostic methods methods.
- Based on evidence-based care be able to analyse, justify and evaluate treatment strategies at asthma allergy and COPD (pharmacological treatment, patient education, support to self-treatment and change of life style).

Skills and abilities

- Independently be able to carry out and assess all components at spirometry examination and measurement of exhaled NO (preparations, implementation, interpretation and documentation)
- Independently be able to search systematically review critically and refer to scientific literature within the subject area
- Based on an evidence-based attitude be able to identify and interpret research results and implement in the care

Judgement ability and approach

- Reflect on what a person-oriented attitude implies in the nursing of individuals with asthma, allergy and COPD.
- Carry out an evidence-based care of individuals with asthma allergy and COPD.
- Lead the interprofessional team from a the nursing perspective.

Content

Course build on knowledge as students earlier acquired on Nursing at asthma allergy and COPD 1, or the equivalent. Strong emphasis will be placed on quality development and improvement theory.

The course is divided in four modules:

Epidemiology and Immunology, 2 hp In this part, asthma is treated -, allergy -, and COPD - the occurrence of the diseases, healthy and risk factors for origin and development of these diseases and possibilities to primary and secondary prevention. Also immunological mechanisms at allergy disease are brought up. **Diagnostics, 4 hp** The component includes diagnostics, differential diagnosis, investigations, adequate studies and tests. An important part is lung function examinations such as spirometry and NO measurement and it specialised the allergy diagnostics. **Nursing care and treatment of allergic diseases, 4 hp** The component includes pharmacological and non pharmacological treatment at asthma, allergy and other hypersensitiveness. An important part during this part is to acquire knowledge of smoking cessation. **Nursing research and quality development, 5 hp** In this part is included to carry out an individual work within evidence-based care. Furthermore, information retrieval is included and to evaluate and analyse scientific information.

Teaching methods

The teaching is given according to problem-based learning (PBL). The education is based on the students' previous knowledge and experiences. The study forms vary but build on an active knowledge acquisition. As support in the learning process, lectures, seminars, review of scientific literature, case discussions and study visits are organised.

An advanced assignment is carried out during the course. The studies take place both individually and in groups. To facilitate communication and preparations, Karolinska Institutet's student Portal is used (PingPong).

Compulsory attendance is required for certain parts of the course which appears of the timetable. In case of absence, turn to Course Coordinator for complementary assignment.

Examination

Module 1: Be examined through an individual written assignment and a group assignment that is presented both written and orally.

Module 2: Be examined through an individual written assignment and a group assignment that is presented both written and orally.

Module 3: Be examined through an individual written assignment and a group assignment that is presented both written and orally.

Module 4: Be examined through written and oral presentation of advanced assignment.

A student who has failed in the regular examination is entitled to participate in five more examinations. If the student has failed six examinations/tests, no more examinations are offered. Each occasion the student participates in the same test counts as an examination. Submission of a blank exam paper is regarded as an examination occasion. Examination occasion for which the student has registered but not participated in, does not count as a examination occasion.

Transitional provisions

Examination will be provided during a period of two years after a possible closing of the course. Examination can be carried out according to an earlier literature list during a period of one year after the date of a renewal of the literature list.

Other directives

Language of instruction: Swedish

Literature and other teaching aids

Allergi och astma

Hedlin, Gunilla; Larsson, Kjell

Lund : Studentlitteratur AB, 2009 - 480 s.

ISBN:91-44-02996-9 LIBRIS-ID:11675754

[Library search](#)

Patientundervisning

Klang Söderkvist, Birgitta

3., uppdaterade uppl. : Lund : Studentlitteratur, 2013 - 276 s.

ISBN:9789144082561 LIBRIS-ID:14504148

[Library search](#)

KOL : kroniskt obstruktiv lungsjukdom

Larsson, Kjell

3. uppl. : Lund : Studentlitteratur, 2014 - 739 s.

ISBN:9789144078175 LIBRIS-ID:17048923

[Library search](#)

Pricktest: Ett metod- och omvårdnadsdokument

Astma- Allergi- och KOLsjuksköterskeföreningen, 2014

Willman, Ania; Stoltz, Peter; Bahtsevani, Christel

Evidensbaserad Omvårdnad

3. uppl. : Studentlitteratur AB, 2011 - 208 s.

ISBN:91-44-05644-3 LIBRIS-ID:12118369

[Library search](#)

Forsberg, Christina; Wengström, Yvonne

Att göra systematiska litteraturstudier : värdering, analys och presentation av omvårdnadsforskning

3. uppl. : Stockholm : Natur & Kultur, 2013 - 219 s.

ISBN:9789127134157 LIBRIS-ID:13560592

[Library search](#)

Andersson, Martin

Spirometri

[Sverige] : Pfizer, 2011 - 88 s.

LIBRIS-ID:12239017

Backman, Jarl

Rapporter och uppsatser

2., uppdaterade [och utök.]. uppl. : Lund : Studentlitteratur, 2008 - 223 s.

ISBN:978-91-44-04826-0 LIBRIS-ID:10786718

[Library search](#)

Kommunikation : samtal och bemötande i vården

Fossum, Bjöörn

2. uppl. : Lund : Studentlitteratur, 2013 - 472 s.

ISBN:978-91-44-07007-0 LIBRIS-ID:13615449

[Library search](#)

Allergi och astma hos barn

Hedlin, Gunilla; Wennergren, Göran; Alm, Johan

1. uppl. : Lund : Studentlitteratur, 2014 - 384 s.

ISBN:9789144084572 LIBRIS-ID:16249777

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