



Course syllabus for

# **Clinical Medicine - Emphasis on Reproduction and Development, 22.5 credits**

Klinisk medicin - inriktning reproduktion och utveckling, 22.5 hp

This course syllabus is valid from autumn 2018.

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

[Spring2014](#) , [Autumn2015](#) , [Autumn2016](#) , [Autumn2018](#) , [Autumn2019](#) , [Spring2020](#) , [Autumn2020](#) , [Autumn2021](#) , [Spring2022](#) , [Spring2023](#) , [Spring2024](#) , [Spring2025](#)

Course code	2LK111
Course name	Clinical Medicine - Emphasis on Reproduction and Development
Credits	22.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Medicine
Level	AV - Second cycle
Grading scale	Pass, Fail
Department	Department of Women's and Children's Health
Participating institutions	<ul style="list-style-type: none"><li>• Department of Clinical Sciences, Danderyd Hospital</li><li>• Department of Clinical Science, Intervention and Technology</li><li>• Department of Molecular Medicine and Surgery</li><li>• Department of Clinical Science and Education, Södersjukhuset</li></ul>
Decided by	Programnämnd 2
Decision date	2013-10-25
Revised by	Programme committee for study programme in medicine
Last revision	2018-04-08
Course syllabus valid from	Autumn 2018

## **Specific entry requirements**

All credits from semester 1-7

Students who fail to meet placement requirements by demonstrating serious deficiencies in knowledge, skills or attitudes, or who jeopardise patient safety or quality of healthcare, will be eligible for re-qualification for new placement opportunities only after an individual action plan has been successfully completed.

# Objectives

## Content

The course includes specialties in gynaecology and obstetrics, paediatrics, pediatric surgery, psychiatric services for children and adolescents as well as clinical genetics. Evaluation is based on the student's participation in the care and discussion of patient cases during placements. Teaching will take place in both in- and out-patient care settings. Interprofessional learning is a central part of the course in order to prepare students for their future professional roles.

### **Clinical medicine with emphasis on reproduction, 10.0 hp**

Grading scale: GU

The part includes the subject areas gynaecology and obstetrics in in- and out-patient care. Clinical rotation are central in the course and strong emphasis is placed on primary care, disease prevention and on principles of diagnostic strategy. The part also contains women's exposed position in family, close relations and society including men's violence against women and in addition relevant laws and regulations. New knowledge is integrated with earlier basic science and clinical knowledge.

### **Clinical medicine with emphasis on development, 10.0 hp**

Grading scale: GU

### **Professional development, 0.5 hp**

Grading scale: GU

The Professional Development includes a mentor-driven workshop consisting of individual self-assessment, with a half-day with a focus on medical-ethical issues in genetics, pregnancy, the post-natal care, children and adolescents. The international students will have an alternative component of this course.

### **Clinical Genetics, 2.0 hp**

Grading scale: GU

The component treats the principles for when one should suspect a chromosome aberration or other hereditary disease, risk assessments of these conditions as well as how one identifies healthy genetic traits, the principles of researching genetic history and how preventive measures can be used to curb disease.

## Teaching methods

The course starts with an introduction consisting of lectures, seminars and examination technique in respective component. The rest of the course consists of lectures, seminars, workshops, group assignment, proficiency training and interprofessional training. Individual studies before interactive seminars. Students may be scheduled evenings, nights and weekends. During the spring semester, the course is given in English.

# Examination

## Transitional provisions

If a course has been cancelled or undergone major changes, at least two additional examinations (excluding regular examinations) on the previous contents will be provided within a year of the date of the change.

## Other directives

Course evaluation takes place according to the guidelines that have been established by the Board of Education at Karolinska Institute.

\*

The knowledge is structured according to the SOLO taxonomy:

S1) simple (e.g. know, identify)

S2) composite (e.g. account for, describe)

S3) related (e.g. analyse, relate)

S4) extended (e.g. theorise, analyzs)

The skills goals are structured according to Miller's pyramid:

M1) know

M2) to apply knowledge

M3) to be able to show

M4) to be able to demonstrate professionally

## Literature and other teaching aids

### Clinical medicine with emphasis on reproduction

#### *Recommended literature and study material*

*Hagberg, Henrik*

#### **Obstetrik**

*Marsal, Karel; Westgren, Magnus*

2., [uppdaterade] uppl. : Lund : Studentlitteratur, 2014 - 715 s.

ISBN:9789144095707 (inb.) LIBRIS-ID:16249815

[Library search](#)

#### **Gynekologi**

*Janson, Per Olof; Landgren, Britt-Marie*

2. uppl. : Lund : Studentlitteratur, 2015 - 376 s.

ISBN:9789144092591 LIBRIS-ID:17350451

[Library search](#)

*Beckmann, Charles R. B.*

#### **Obstetrics and gynecology.**

6th ed. : Philadelphia : Wolters Kluwer/Lippincott Williams & Wilkins, c2010. - xiii, 497 p.

ISBN:978-0-7817-8807-6 LIBRIS-ID:12042290

[Library search](#)

*Llewellyn-Jones, Derek*

**Llewellyn-Jones fundamentals of obstetrics and gynaecology**

*Oats, Jeremy; Abraham, Suzanne*

9. ed. : Edinburgh : Mosby, 2010 - viii, 354 p.

ISBN:978-0-7234-3509-9 (main edition : alk. paper) LIBRIS-ID:11787081

[Library search](#)

*O'Reilly, Barry; Bottomley, Cecilia; Rymer, Janice*

**Essentials of obstetrics and gynaecology**

2nd ed. : Edinburgh : Elsevier, 2012 - x 329 p.

ISBN:9780702043611 LIBRIS-ID:14968461

[Library search](#)

**Problemorienterad gynekologi och obstetrik**

*Bixo, Marie; Bäckström, Torbjörn*

1. uppl. : Stockholm : Liber, 2014 - 476 s.

ISBN:9789147117253 LIBRIS-ID:16608519

[Library search](#)

**Clinical medicine with emphasis on development**

***Recommended literature and study material***

*Albinsson, Eva*

**Pediatric Ped.**

*Moëll, Christian; Gustafsson, Jan*

1. uppl. : Stockholm : Liber, 2011 - 598 s.

ISBN:978-91-47-09375-5 (inb.) LIBRIS-ID:12300521

[Library search](#)

**Illustrated textbook of paediatrics**

*Lissauer, Tom; Clayden, Graham*

4. ed. : Edinburgh : Mosby, 2012 [dvs 2011] - xiv, 533 s..

ISBN:9780723435655 LIBRIS-ID:12319597

[Library search](#)

**Barnmedicin**

*Hanséus, Katarina; Lagercrantz, Hugo; Lindberg, Tor*

4., [rev. och uppdaterade] uppl. : Lund : Studentlitteratur, 2012 - 674 s.

ISBN:978-91-44-07609-6 (inb.) LIBRIS-ID:12531935

[Library search](#)

*Widlund, Tomas*

**Akut pediatrik**

*Norgren, Svante; Ludvigsson, Jonas F.; Norman, Mikael*

7., kompletterade och rev. uppl. : Stockholm : Liber, 2010 - 383 s.

ISBN:978-91-47-09402-8 LIBRIS-ID:11864066

[Library search](#)

## **Kompendium i barnkirurgi och barnortopedi**

*Frenckner, Björn; Hirsch, Georg; Wester, Tomas; Åstrand, Per*

[Ny, omarb. och uppdaterad utg.] : Stockholm : Karolinska Institutet University Press, 2015 - 388 s.

ISBN:9789185565764 LIBRIS-ID:17592866

[Library search](#)

*Kliegman, Robert; Nelson, Waldo E.*

## **Nelson textbook of pediatrics**

18. ed. : Philadelphia : Saunders Elsevier, cop. 2007

ISBN:978-1-41602450-7 LIBRIS-ID:10532141

[Library search](#)

## **Clinical Genetics**

### ***Recommended literature and study material***

#### **Genetiska sjukdomar**

*Nordenskjöld, Magnus*

1. uppl. : Stockholm : Liber, 2011 - 326 s.

ISBN:978-91-47-09417-2 LIBRIS-ID:12280743

[Library search](#)

*Read, Andrew P.; Donnai, Dian*

#### **New clinical genetics**

2. ed. : Oxfordshire, UK : Scion, 2011 - xvii, 442 s.

ISBN:978-1-904842-80-4 LIBRIS-ID:12071084

*This book may be borrowed from the course administration for international students*

[Library search](#)