Course syllabus for

Degree project in Medicine, 30 credits

Examensarbete i medicin, 30 hp
This course syllabus is valid from autumn 2015.
Please note that the course syllabus is available in the following versions:
Autumn2010 , Spring2011 , Autumn2011 , Spring2012 , Autumn2012 , Spring2013 , Autumn2013 , Autumn2014 , Autumn2015 , Spring2016 , Spring2017 , Autumn2017 , Autumn2018 , Autumn2019 , Spring2020 , Autumn2020 , Spring2023 , Autumn2024

Course code	2LK028
Course name	Degree project in Medicine
Credits	30 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 Medical Epidemiology and Biostatistics
Decided by	Programnämnd 2
Decision date	2010-03-11
Revised by	Programme Committee 2
Last revision	2015-03-24
Course syllabus valid from	Autumn 2015

Objectives

The overall aim of the course is to provide students with advanced knowledge by independently and individually under supervision planning and carrying out a research-oriented degree project of 30 credits within the main field of medicine. Students will also attain theoretical and practical understanding of the research process and develop a scientific approach. The learning outcomes are related to the overarching learning outcomes for the whole medical program. The scientific basis for the main field medicine involves human structure and functions in health and disease, disease prevention and the diagnosis and treatment of diseases and injuries.
Learning outcomes for knowledge and understanding are tiered according to the SOLO taxonomy: S1) simple (e.g. know about, identify), S2) complex (e.g., explain, describe), S3) related (e.g. analyse, relate to), and S4) extended (e.g., theorise, analyse). Practical skills are tiered according to Miller's taxonomy: M1) knows, M2) knows how to perform, M3) is able to demonstrate, and M4) is able to perform professionally.

Knowledge and understanding
After the course the student should be able to:
• Show theoretical knowledge and understanding of the scientific basis of the chosen area of medical

research;
• Show an understanding of the fields current research and development

Skills
After the course the student should be able to:
• At a high level of independence plan, structure, carry out and analyse a scientific project within the field of medicine (M3).
• Explain and discuss how to, in an ethical manner, collect, handle and describe a complex material with relevance for the theoretical background of the scientific project and its hypothesis (M3).
• At a high level of independence, document scientific work in a systematically organized report, in which the ability to describe the scientific work and to put it in its theoretical context should be evident (M3).
• Orally present and defend a delimited scientific work and place it within its theoretical context (M3).
• Critically review scientific work, and to objectively and in a scientific manner review and discuss another student's report (M3).
• Integrate medical knowledge, ethical and psychological aspects in communication with other professional groups and when seeing patients (Professional development) (M3).
• Reflect on professional development with the help of a structured self-assessment (Professional development) (M3).

Attitude
After the course the student should be able to:
• Show an understanding of scientific methods, the scientific process and the relevance of research ethics.
• Understand the importance of cooperation and learning from others in connection with planning, implementation and interpretation of own studies and inquiries.
• Show ability to identify own need for further knowledge

Transitional provisions

For courses that have been discontinued or have undergone major changes, at least two additional examinations (excluding the regular examination) on the previous contents are provided over a period of one year from the date the changes occurred.

Other directives

The examiner may immediately suspend a student's work-based training (VFU) or equivalent if the student demonstrates such serious deficiencies in knowledge, skills or attitudes as to jeopardize patient safety or patient confidence in the health care. When a placement is interrupted in this way it means that the student fails the current examination and the clinical placement is used up.

Students who fail the practical training (VFU)/equivalent due to demonstrated serious deficiencies in knowledge, skills or attitudes that may jeopardize patient safety or patient confidence in the health care, are eligible for a new placement only when an individual action plan has been completed.

The course evaluation will be conducted according to guidelines established by the Board of Education.

Literature and other teaching aids

Mandatory literature

Möller, R; Shoshan, M

Studentinstruktion för kursen Examensarbete i medicin

Institutionen för medicinsk epidemiologi och biostatistik,

Jansson, Rowena

English for scientific research : a practical guide to good science writing

1. uppl. : Lund : Studentlitteratur, 2013 - 182 s.
ISBN:978-91-44-08499-2 LIBRIS-ID:13908927
Library search

Course literature and other course material

Recommended literature
Each student will choos the rest of the course literature after discussion with the supervisor. However, we would like to recommend the following books:

Fletcher, Robert H.; Fletcher, Suzanne W.
Clinical epidemiology : the essentials

4. ed. : Philadelphia, Pa. : Lippincott Williams & Wilkins, 2005 - xv, 252 s.
ISBN:0-7817-5215-9 (alk. paper) LIBRIS-ID:9784446
Library search

Greenhalgh, Trisha
Att läsa vetenskapliga artiklar och rapporter : grunden för en evidensbaserad vård

1. uppl. : Lund : Studentlitteratur, 2012 - 309 s.
ISBN:978-91-44-07271-5 LIBRIS-ID:12543003
Library search

Holme, Idar Magne; Solvang, Bernt Krohn; Nilsson, Björn
Forskningsmetodik : om kvalitativa och kvantitativa metoder

2., [rev. och utök.] uppl. : Lund : Studentlitteratur, 1997 - 360 s.
ISBN:978-91-44-00211-8 LIBRIS-ID:8352553
Library search

Wallén, Göran
Vetenskapsteori och forskningsmetodik

Lund : Studentlitteratur, 1996 - 151 sidor
ISBN:91-44-36652-1
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

Oshima, Alice; Hogue, Ann
Writing academic English

4. ed. : White Plains, N.Y. : Pearson Longman, 2006 - xi, 337 s.
ISBN:978-0-13-152359-3 LIBRIS-ID:10190093
Library search

Svenska skrivregler

3., [utök.] utg. : Stockholm : Liber, 2008 - 263, [1] s.
ISBN:978-91-47-08460-9 LIBRIS-ID:10935499
URL: http://www.liber.se/productimage/large/4708460o.jpg
Library search