SK00014 Program for Doctoral Students in Clinical Research with clinical epidemiological methods, course 4, 7.5 credits

Forskarskolan Klinisk forskning med klinisk epidemiologisk metodik, kurs 4, 7,5 högskolepoäng

Third-cycle level / Forskarnivå

Confirmation

This syllabus was confirmed by the Council for PhD Education at Sahlgrenska Academy on 2018-12-14, and was last revised on 2020-03-09. The revised course syllabus is valid from Autumn semester 2020.

Responsible Department
Institute of Clinical Sciences, Sahlgrenska Academy

Entry requirements

- Admitted to postgraduate education.
- To be eligible for the course the student has to be registered in third cycle at Sahlgrenska Academy or at another faculty or university. The student also has to be admitted to Research school Clinical research employing clinical epidemiological methodology and must have passed course 1, 2 and 3 or show documented knowledge equivalent with course 1, 2 and 3.

The course is an elective course within the third cycle at Sahlgrenska Academy.

Learning outcomes

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

Knowledge and understanding

- basic principles of rhetorical and argumentation analysis.
- the structure and development of a scientific manuscript.
- the structure and focus areas of different scientific journals as well as the review procedure within his/her own research field.
describe the system of research funding with emphasis on large Swedish and international research funds in general and the University of Gothenburg/Sahlgrenska Academy and the Västra Götaland region in particular.
how a grant application is structured.

**Competence and skills**

display skills in oral presentation.
display skills in production of text and images with respect to technique and layout.
write a high quality scientific manuscript from a linguistic and structural point of view.
report an observation about a clinical effect in the clinical literature as well as through oral presentation
use some of the most common software programs for reference management.
compose cover letters accompanying article submissions as well as response letters to reviewers at a scientific journal.
independently write research grant applications including research plan, curriculum vitae and budget.

**Judgement and approach**

- Judge and evaluate his/her own and other researchers’ scientific manuscripts, presentations and research grant applications with regards to an ethical and scientific approach.

**Course content**

The course comprises three sections:

- Communication of clinical research orally and in writing. This section includes “rhetoric and presentation techniques” and “how to write a scientific article/a manuscript” and information searching.
- Writing research grant applications.
- Healthcare organization and health economy

**Types of instruction**

Lectures, group seminars and group assignments.

**Language of instruction**

The course is given in Swedish.

The language of instruction is Swedish, if, however, the lecturer is English-speaking the language of instruction will be English. Some of the required reading will be in English and the written assignment is to be written in English.

**Grades**

The grade Pass (G) or Fail (U) is given in this course.

**Types of assessment**

Performance in the course is evaluated on the basis of written reports, examinations, and on an
individual evaluation of each participant’s performance in presenting an oral report. Active participation is expected at every stage in the course.

The following is required of the student to pass the course:

- Passed oral presentation
- Passed written assignments
- One hundred percent attendance and active engagement in group seminars and group assignments and lectures in information searching and rhetoric.

In the case of absence due to illness or strong personal reasons, the student is to complete the course according to instructions given by the course director.

A student who has failed a test twice has the right to change examiners, if it is possible. A written application should be sent to the relevant institution.

**Course evaluation**

Evaluation of the course is achieved through the use of individually written evaluations presented anonymously along with a general discussion at the end of the course. The overall results will be communicated to the students in writing and will function as a guide for the development of the course.

**Other information**

The syllabus was confirmed by the Council for Postgraduate Studies on 2013-03-05 and was last revised on 2019-08-27 to be valid from autumn semester 2019 (Reg. nr.: U 2017/543). It was entered into FUBAS in August 2019.