

Syllabus

for course at advanced level

Methodology I: Research methods

Metod I: Forskningsmetodik

7.5 Higher Education

Credits

7.5 ECTS credits

Course code:	PH130S
Valid from:	Autumn 2016
Date of approval:	2008-05-12
Changed:	2016-04-25
Department	Department of Public Health Sciences
Main field:	Public Health
Specialisation:	A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

The syllabus was approved by the board for Centre for Health Equity Studies (CHES), Stockholm University/Karolinska Institutet 2008-05-12. To revise the previous name of the course was decided upon 2012-06-19. The latest revision of the course plan was approved April 25, 2016.

Prerequisites and special admittance requirements

Course structure

Examination code	Name	Higher Education Credits
T130	Methodology I: Research methods	7.5

Course content

The course provides knowledge of methodological concepts and research methods used in quantitative research. The aim is to provide students with an understanding of methodological and basic statistical concepts needed to understand and critically evaluate research reports. After the course, the students should also be able to design scientific studies. The course covers important methodological concepts such as causality, validity, reliability, and statistical inference. It also deals with how different methodological choices concerning study design, sampling and measurement affect the possibility to make well-founded conclusions.

Learning outcomes

At the end of the course the student will be able to:

- Explain core methodological concepts in quantitative research
- Explain basic concepts of statistical inference
- Critically analyse research reports from a methodological perspective
- Design scientific studies and reflect upon different methodological decisions

Education

The teaching is based on lectures and seminars. One of the seminars is mandatory. In case of absence from the mandatory seminar the student will be given an individual assignment.

Forms of examination

- The course is examined through a written take-home examination and a written examination.

b) The grading on the course is based on a goal-based seven-point grading scale:

A = Excellent
B = Very good
C = Good
D = Satisfactory
E = Sufficient
Fx = Not sufficient
F = Inadequate

c) The grading criteria will be distributed at course start.

d) In order to pass the course, students are required to get a passing grade on the written take-home examination and on the written examination, and completed mandatory assignments.

e) Every term the course runs, there will be at least one exam and one re-take exam. The other terms, there will be at least one re-take exam scheduled. Students who receive a fail grade twice in a row by the same examiner have the right to request another examiner to decide upon the grade for the course if there are not specific reasons speaking against this. The request should be forwarded to the Director of Studies. Students who receive the grade E or higher on an exam (or the grade G for parts of the examination which is graded according to a two-point grading scale) cannot re-take the exam to obtain a higher grade.

f) The examiner may determine that an FX can be supplemented into a pass grade if the student lies near the borderline for a pass grade. The supplementary assignment should be handed in within three workdays from the notification by the examiner.

Interim

Students can request an examination in accordance to this curriculum up to three terms after it has ceased or been significantly altered.

Required reading

A list of the current course literature is found in the course description.