



**Karolinska  
Institutet**

Course syllabus for

## **Collecting and Organizing Data, 7.5 credits**

Insamling och hantering av epidemiologiska data, 7.5 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

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

Autumn2017 , Autumn2018

Course code	4FH072
Course name	Collecting and Organizing Data
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Public Health Sciences
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Global Public Health
Decided by	Education committee PHS
Decision date	2017-03-22
Course syllabus valid from	Autumn 2017

### **Specific entry requirements**

A Bachelor's degree or a professional degree equivalent to a Swedish Bachelor's degree of at least 180 credits in public health science, healthcare or other relevant social sciences subject area. And proficiency in English equivalent to English B/English 6.

### **Objectives**

The aim of the course is to provide both theoretical and practical skills on quantitative data collection methods as well as an orientation of how to handle collected data in a structured way.

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

- Understand key theoretical concepts regarding survey methodology, data collection and questionnaire design
- Comprehend and utilize the basic principles of sampling (i.e. sample size calculation and sample selection methods) in cross-sectional surveys
- Design and pilot-test a questionnaire for a survey on a specific topic (individual assignment)
- Collect and analyze data from an observational study (group assignment)

## Content

The course gives theoretical and practical knowledge and skills around quantitative data collection methods, within the public health field. The course will cover the most important theoretical issues regarding survey methodology, data collection, questionnaire design, and sampling, including sampling selection, sample size calculation, and response rates. Time will also be devoted to work on group and individual assignments. The purpose of the individual assignment is to design and pre-test a questionnaire, and to build the corresponding database based on your research interest. The purpose of the group assignment is to get a practical experience of the process of survey design and data collection. PING PONG will be used to provide instructions and feedback for the assignments, and also to upload relevant materials.

## Teaching methods

A combination of techniques will be used depending on the specific topics aiming to engage students in the teaching-learning process to promote reflective thinking and active collaborative education following a deep approach to learning. This includes the individual and group assignments, peer assessment, but also interactive and traditional lectures, and computer labs using the SPSS software, to enter and administer data, and to perform basic analyses.

## Examination

The examination will consist of three components:

- a. Individual assignment and presentation graded as fail, pass, and pass with distinction.
- b. Group assignment and presentation graded as fail, pass and pass with distinction
- c. Individual written final exam graded fail (<65%) pass (65-89%), and pass with distinction (90% or more)

To obtain the final grade *pass* on the course, the student must be awarded at least *pass* on all three examination components. To obtain the grade *pass with distinction* the student must be awarded *pass with distinction* in all three components.

### Compulsory participation

Participation in the individual and group work is compulsory. Before the student has participated in all compulsory parts or compensated absence in accordance with the course director's instructions, the student's results for the course/respective part will not be registered in LADOK.

### Limitation of number of occasions to write the exam:

The student has the right to write the exam six times. If the student has not passed the exam after four participations he/she is encouraged to visit the study counselor.

The number of times that the student has participated in one and the same examination is regarded as an examination session. Submission of a blank examination is regarded as an examination. An examination for which the student registered but not participated in will not be counted as an examination.

## Transitional provisions

Examination will be provided during a time of two years after a possible cancellation of the course. Examination can take place according to an earlier literature list during a time of one year after the date when a major renewal of the literature list has been made.

## Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

The course language is English.

## Literature and other teaching aids

### Mandatory literature

*Fowler, Floyd J.*

#### **Survey research methods**

4th ed. : Thousand Oaks : Sage Publications, c2009 - x, 201 p.

ISBN:978-1-4129-5841-7 (pbk.) LIBRIS-ID:11703559

URL: <http://www.loc.gov/catdir/toc/ecip0814/2008011835.html>

[Library search](#)

### Suggested in-depth literature

*Groves, Robert M.*

#### **Survey methodology**

Hoboken, NJ : Wiley-Interscience, cop. 2004 - xix, 424 s.

ISBN:0-471-48348-6 (pbk.) LIBRIS-ID:9361779

[Library search](#)

*Dillman, Don A.; Smyth, Jolene D.; Christian, Leah Melani.*

#### **Internet, mail, and mixed-mode surveys : the tailored design method**

3. ed. : Hoboken, N.J. : Wiley & Sons, cop. 2009 - 499 s.

ISBN:9780471698685 (inb.) LIBRIS-ID:11209082

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