



**Karolinska  
Institutet**

Course syllabus for

# **Econometrics and Computer Programme, 7.5 credits**

Ekonometri och dataprogram, 7.5 hp

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

Course code	4FH020
Course name	Econometrics and Computer Programme
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	Arbetsgruppen för masterprogrammet i folkhälsovetenskap
Decision date	2007-10-04
Revised by	Education committee PHS
Last revision	2018-10-09
Course syllabus valid from	Spring 2008

## **Objectives**

The course aims to provide the students with the following skills:

- To understand the concepts of epidemiology.
- To know the concepts and tools of statistics.
- To be able to apply the statistical concepts at health economics.
- To analyze the economic data for health economics.

## **Content**

This module will provide statistical skills including epidemiological concepts and computer analysis of data from health care sector. Here the participants will learn statistical concepts for econometric analysis of health economic resources. They will also learn to operate through statistical software. They will also be able to handle and manage data for decision making. Epidemiological concepts will give them necessary boost for better understanding the health sector scenario.

Specific topics taught in this course

Epidemiology,  
Concepts of statistics,  
Simple regression analysis,  
Multiple regression analysis,  
Non-linear regression analysis,  
Computer programming: STATA.

## **Teaching methods**

Lectures, computer-based and class room assignments.

## **Examination**

Both individual written examinations and submission of assignments.

## **Transitional provisions**

The course has been cancelled and was offered for the last time in the spring semester of 2010.

## **Literature and other teaching aids**