

**Epidemiology, 5.0 credits**

Epidemiologi, 5.0 hp

Third-cycle education course

8FO0113

Department of Health, Medicine and Caring Sciences

Valid from: Second half-year 2024

**Approved by**  
The Research and PhD studies  
Committee

**Approved**  
2019-09-23

**Registration number**  
LiU-2019-01975

## Entry requirements

Entry requirement for studies on third-cycle education courses

- second-cycle degree,
- 240 credits in required courses, including at least 60 second-cycle credits,  
or
- acquisition of equivalent knowledge in some other manner

Specific entry requirements for this course is approved course Basic Biostatistics (4 credits) or acquisition of equivalent knowledge in some other manner.

## Learning outcomes

By the end of the course the students will be able to:

### *Knowledge and understanding*

Account for relevant methods that can be used to measure health in a population  
Account for the identification of factors that influence health status on a population basis

### *Competence and skills*

Plan and critically appraise the conduct of epidemiological studies.

### *Judgement and approach*

Judge how epidemiological methods may be used under different circumstances.

## Contents

Theoretical aspects on epidemiological methods, study design, statistics and causal relations. Practical application of epidemiological methods will be addressed\*. \*

## Educational methods

The pedagogical approach applied at the Faculty of Medical and Health Sciences is student centered, problem based learning (PBL). The student takes responsibility for his/her own learning, and seeks and evaluates information and knowledge based on own queries and formulated problems. The role of the teacher is to guide and support the students.

Educational methods applied in this course are lectures, seminars and individual tasks. Mandatory elements are seminars.

## Examination

Oral presentation at seminars. Individually written report, together with critical appraisal of another student's report.

Students who fail are offered one re-examination occasion in close connection to the course. After that participation in a coming course examination is offered. The re-examination should be equally comprehensive as the ordinary examination.

### **Change of examiner**

Students who have failed the course or part of the course twice are entitled to request another examiner for the following examination occasion.

## **Grading**

Two-grade scale

## **Course literature**

The course coordinator provides a list of relevant literature before the start of the course.

## **General information**

The course material is in English and the course language is normally English. The course material is in English and the course language is normally English. The course is planned and carried out according to what is stated in this syllabus. Course evaluation, analysis and suggestions for improvement should be fed back to the Research and PhD studies Committee (FUN) by the course coordinator. If the course is withdrawn or is subject to major changes, examination according to this syllabus is normally offered at three occasions within/in close connection to the two following semesters.