

Methods in Epidemiology

Lecturers

Katia CASTETBON (Coordinator) and Séverine HENRARD

Course mnemonic

SAPU-L6513

ECTS credits

3 credits

Language(s) of instruction

English

Course period

First term

Campuses

Erasme and Outside campus ULB

Course content

The learning Unit includes two Activities I & II.

I. Methods in Epidemiology

* Basics in epidemiological methods: general overview; descriptive indicators; study designs; measures of association; attributable risks.

* Effect modification, confounding and stratified analysis; biases and validity; causality criteria.

II. Clinical Epidemiology

* Diagnosis; prognosis; survival analyses; paired analysis.

Objectives (and/or specific learning outcomes)

To understand, apply and analyze methods used in epidemiology

Teaching method and learning activities

Alternating lectures, practical applications and students' presentations.

Personal readings for preparation of presentations.

NB: The first courses will be given online. As soon as possible, courses will be taught in-person.

References, bibliography and recommended reading

See books listed at the beginning of the course.

Course notes

Université virtuelle

Other information

Place(s) of teaching

Erasme and Outside campus ULB

Contact(s)

Katia Castetbon (katia.castetbon@ulb.be)

Evaluation method(s)

written examination, Personal work and Group work

Evaluation method(s) (additional information)

Written examination (including multi-choice questions);

Scientific articles' presentation;

Virtual research project

NB: a written exam is planned in January 2021. Presence in Belgium is requested. Depending on the sanitary situation, modalities will be adapted.

Determination of the mark (including the weighting of partial marks)

First session:

I. Methods in Epidemiology: 60% sitting exam + 40% continuous evaluation (exercises, presentations...)

II. Clinical Epidemiology: 50% sitting exam + 50% research project

All activities should be higher or equal to 10/20 overall to pass the Learning Unit at the 1st session.

Second session:

When the Learning Unit is not validated at the 1st session, the 2^d session will include a sitting exam regarding the failed activity part(s).

Main language(s) of evaluation

English

Programmes

Programmes proposing this course at the school of Public Health

MS-STME | Specialized Master in Public Health
Methodology | unit U