

Housing and travel

Students are responsible for their own transport to and from the University of Antwerp. All participants will be housed in international student accommodation nearby campus, which will be arranged by our secretariat.

Scholarships



11 VLIR-UOS scholarships are available for eligible applicants (see below for more information). Each VLIR-UOS scholar receives:

- Course fee waiver
- Air ticket
- Health insurance
- Visum costs
- Accommodation
- A daily subsistence allowance

Scholarship eligibility

Below are the eligibility criteria for a VLIR-UOS scholarship. Details on each criterium can be found on the application form or at: [https://www.vliruos.be/en/scholarships/scholarships_in_flanders/scholarships_for_trainings_\(itp\)/11](https://www.vliruos.be/en/scholarships/scholarships_in_flanders/scholarships_for_trainings_(itp)/11)

- Nationality of AND country of residence in one of the 31 countries of the VLIR-UOS list
- No other VLIR-UOS-scholarship application in **2021**
- No previous VLIR-UOS ITP-scholarship
- Relevant professional experience and a support letter confirming (re)integration in a professional context

Applications

Submit your complete application by midnight CET on 1 Nov 2021 The application procedure and a list of required supporting documents may be found at www.uantwerp.be/ebq. Within a month of this deadline, all applicants will be informed by email of the decision of the EBQ Selection Committee regarding the selected participants and the awarded scholarships.



Course organiser

Prof. J.P. Van geertruyden

Course venue

University of Antwerp
Global Health Institute
Campus Drie Eiken
Doornstraat 331
2610 Antwerp - Belgium

global.health.institute@uantwerpen.be

www.uantwerp.be/ebq



Global Health Institute
University of Antwerp



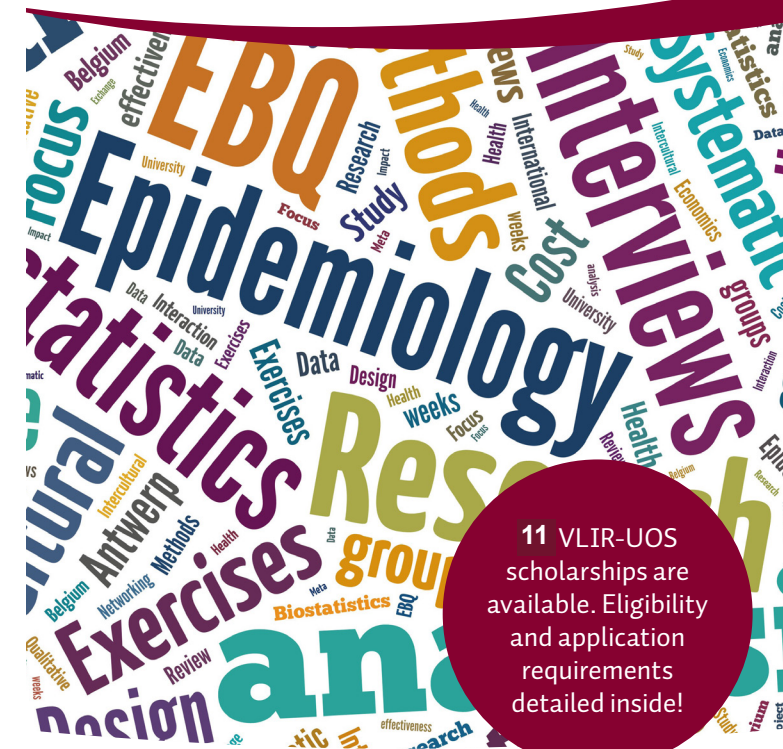
International Course

Epidemiology, Biostatistics &
Qualitative Research Methods



19 April - 28 May 2022

University of Antwerp, Belgium



11 VLIR-UOS scholarships are available. Eligibility and application requirements detailed inside!



Global Health Institute
University of Antwerp

The International EBQ is an intensive six-week training course on the basic principles and methods of epidemiology. An in-depth study of medical statistics and systematic reviews/meta-analyses with appropriate statistical methods is integrated in the main epidemiological content. Basic principles of qualitative methods will be explained, and introductory lectures will be given on health economics and cost-effectiveness.

Throughout the course each participant will have the opportunity to work with his/her own data set under the guidance of experienced tutors. Each participant receives the Clinical Epidemiology handbook by Grobbee and Hoes, as well as other necessary didactic materials (powerpoint presentations, articles, etc.).

Major topics

1. Quantitative study design - Prof. J. Weyler

Principles of prognostic (cohort), etiologic (case-control) and diagnostic (cross-sectional) research will be explained with a focus on study object, data collection (study design methods) and data analysis. In addition, more recent design types will be presented as case-cohort, case-cross-over studies. The participants will be able to select the best research design taking into account the specific context (domain) and the specific research question (etiologic, diagnostic, prognostic).

2. Methods of data analysis/biostatistics - Prof. S. Abrams

Analysis of scientific data will gradually progress from basics (t-test, χ^2 , ANOVA...) to further analyses related to the study designs discussed in the first module:

- Linear regression
- Generalized linear regression (logistic and Poisson regression)
- Cox proportional hazards regression

Students will also be introduced to longitudinal data analysis and missing data techniques.

3. Qualitative study design

Prof. dr. Sibyl Anthierens, Prof. dr. Hilde Bastiaens and QUALUA team

In this basic course on qualitative research, we will focus on the principles, design, conducting, evaluating the quality and reporting of qualitative research. We will combine theory and hands-on practice. After the course students will be able to set up and conduct their own qualitative research in a scientifically rigorous way.

4. Systematic Review and Meta-analysis

PhD. N. Pauwels & PhD. E. Deschepper

The course will teach the different steps to take to perform a high-quality, methodologically sound and reliable systematic review and meta-analysis. The course is filled with workshops preparing the participant to get immediately started with his/her own systematic review and meta-analysis.

Practical sessions

5. Introduction to statistical software packages (R)

PhD. C. Delgado-Ratto & Msc. S. Nakato

The students will learn how to use R software during hands-on statistics exercises with databases. The practical lessons on descriptive and inferential statistics will provide the basis to comprehensibly analyze their own databases using any of these software packages.

6. Research Project (R & Nvivo)

Prof. J.P. Van geertruyden & colleagues

Students will conduct their own data analysis. Depending on the research topic, the student may analyse quantitative or qualitative data, perform a meta-analysis or perform a cost-effectiveness analysis. Study analysis will be presented by the students throughout the sessions and results will finally be presented in a congress style session at the end of the course.

(Tutoring possible in English, French, Spanish, and Dutch).

Pre-Course online preparation

From **01/2022** onwards selected candidates will have access to an Online platform with tutorials and exercises on each of the three training elements: Epidemiology, Biostatistics and Qualitative research methods.

Eligible participants

Researchers/PhD students from different disciplines and faculties are accepted. In order to guarantee a personal progress trajectory and interactive exchanges during classes, a maximum of 20 participants will be accepted.

Requirements:

- Master's degree
- Knowledge of Basic Essential Medical Statistics (level part A & B Kirkwood, ISBN 978 0 86542871 3)
- Good command of English (upper intermediate level)
- Good knowledge of Microsoft Office software
- Personal laptop
- Own database

The course accounts for the equivalent of 15 ECTS. A Certificate of Attendance will be awarded upon completion of the course.

Course fee

The course fee is €3400. This covers:

- Participation in the course
- Lunch on course days
- A social programme
- Didactic material

The fee does **NOT** cover travel costs, accommodation, evening meals.

The course fee must be paid in full by **1 March 2022** in order to confirm participation in the training. After that date, your place may be offered to those on the waiting list. Cancellation of attendance after this date may also lead to the loss of all or part of the course fee.

