

Specific statistics and Research Methodology in Health Promotion (D012663)

Due to Covid 19, the education and evaluation methods may vary from the information displayed in the schedules and course details. Any changes will be communicated on Ufora.

Course size (nominal values; actual values may depend on programme)
Credits 4.0 Study time 120 h Contact hrs 30.0 h

Course offerings and teaching methods in academic year 2020-2021

| Offering | Language | Location | Teaching Methods | Hours |
|----------------|----------|----------|------------------------------------|--------|
| A (semester 1) | Dutch | Gent | seminar: practical PC room classes | 22.5 h |
| | | | lecture | 5.0 h |
| | | | guided self-study | 2.5 h |

Lecturers in academic year 2020-2021

| | | |
|-----------------------|------|--------------------|
| Verloigne, Maité | GE30 | lecturer-in-charge |
| Van Cauwenberg, Jelle | GE39 | co-lecturer |

Offered in the following programmes in 2020-2021

| Programme | crdts | offering |
|---|-------|----------|
| Master of Science in Health Promotion | 4 | A |

Teaching languages

Dutch

Keywords

statistics, methodology, SPSS, health promotion

Position of the course

This course is a further elaboration of specific competences of the courses in the previous year on statistics and methodology, 'Statistiek voor de gezondheidszorg: theorie', 'Statistiek voor de gezondheidszorg: data-analyse' 'Methodologie: kwalitatief onderzoek' en 'Methodologie: kwantitatief onderzoek'.

The general aim of this course is that students can apply and integrate their knowledge of methodology and statistics to complex problems, research questions and data files within the health promotion domain.

The students are competent in designing, analysing and interpreting research in health promotion autonomously

Contents

- Working with syntaxes as part of Research Data Management
- Validation and assessment of reliability of instruments for assessing key concepts in health promotion (health outcomes, determinants, health behaviour)
- The application of multivariate statistics as factor analysis, multiple regression, logistic regression (binary and multinomial), anova, manova (one-way, two-way, three-way, repeated measures) on existing databases (cases) about the prevalence of health related behaviors, determinants of health related behaviors and studies about the effectiveness of interventions on health related behaviors. The cases concern research findings from research conducted in our own and related research groups.

Initial competences

This course is a follow up course that presumes competences reached in previous courses such as "Statistiek voor de gezondheidszorg: theorie", 'Statistiek voor de gezondheidszorg: data-analyse' 'Methodologie: kwalitatief onderzoek' en 'Methodologie: kwantitatief onderzoek'.

Final competences

- 1 Examining and analyzing the validity and reliability of instruments to assess key concepts

- 2 Independent application of multivariate statistics on existing databases about the prevalence of health related behaviors, determinants of health related behaviors and studies about the effectiveness of interventions on health related behaviors
- 3 Making a critical evaluation about the validity of instruments and the correct use of a research design, statistics and interpretation when reading scientific literature on health promotion
- 4 Being able to give good and thorough argumentations for choices and decisions that need to be made during the complex processes of design, execution, analysis and interpretation of research in general and more specific in health promotion.
- 5 -Using syntaxes to process and analyze research data as part of research data management

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Guided self-study, lecture, seminar: practical PC room classes

Learning materials and price

Datafiles, powerpoints, knowledge clips, research material available on Ufora
Software package SPSS
SPSS booklet for students. (1 euro)

References

- Statistische Gegevensverwerking met behulp van IBM SPSS 19, G. Van Maele et al. or a more recent manual for working with the SPSS program

Course content-related study coaching

Course-related study-coaching: maite.verloigne@ugGent.be (through email, or before or after course)

Evaluation methods

end-of-term evaluation

Examination methods in case of periodic evaluation during the first examination period

Written examination, skills test

Examination methods in case of periodic evaluation during the second examination period

Written examination, skills test

Examination methods in case of permanent evaluation

Possibilities of retake in case of permanent evaluation

not applicable

Calculation of the examination mark