UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Population, Inequalities and Wellbeing

2223-1-F8203B038

Learning objectives

This course aims to provide the theoretical framework and the tools needed to understand the inequalities and the well-being of individuals in the field of health and lifestyles.

Knowledge and understanding

This course will provide knowledge and understanding concerning:

- the inequalities in health;
- the evaluation of individual well-being.

Ability to apply knowledge and understanding

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

- measuring the socio-demographic differentials in health and mortality;
- explaining the relations between context factors and well-being.

The class allows the student to acquire solid grounds in the application of statistics to biostatistic and demographic working contexts.

Contents

- The transitions: epidemiologic and demographic (1st and 2nd)
- Measurement of mortality
- Inequalities in health
- Well-being, quality of life

- Happy life expectancy

Detailed program

The transitions: epidemiologic and demographic (1st and 2nd):

- epidemiologic transition;
- evolution of death causes;

Mortality measures:

- causes of death (cause-elimination life tables, multiple decrement life tables)
- sex and age differentials;
- social differentials.

Inequalities in health:

- fragility, disability and chronicity;
- measuring good health.

Well-being and quality of life:

- theories and measurements;
- happy life expectancy.

Prerequisites

None

Teaching methods

During the classes, methods are explained from the theoretical point of view. Laboratories complete the course: students will be asked to apply the methods to produce original individual works.

*** In the Covid-19 emergency period, lessons may take place remotely synchronously with possible asynchronous registrations ***

Assessment methods

Attendant: oral examination. The exam consists in evaluating the student's knowledge and comprehension of the subjects presented during the class and discussing the student's reports on the practical works assigned during the class (intermediate examinations). The object is to evaluate the student's theoretical knowledge and his ability to apply the methods to practical research themes.

Not attendant: oral examination. The exam consists in evaluating the student's knowledge and comprehension of the subjects presented during the class also discussing practical research problems. The examination aims to evaluate the student's theoretical knowledge and his ability to apply the methods to practical research themes.

*** In the Covid-19 emergency period the exams may take place via WEBEX***

Textbooks and Reading Materials

- Eyal, N., Hurst, S. A., Norheim, O. F., & Wikler, D. (Eds.). 2013. Inequalities in health: concepts, measures, and ethics. Oxford University Press.
- Lutz, W. (2017). Studying the Demography of Sustainable Human Wellbeing: Empowered Life Years (ELY) as Sustainability Criterion.
- Micheli G.A. 2011. Demografie. McGraw-Hill (Cap. 1,3,4 e 8-Lez. 8.3)
- Pinnelli A., Racioppi F., Rettaroli R. 2003. Genere e demografia. Il Mulino (Parte Quinta: Genere e sopravvivenza)
- Siegel, J. S. 2011. The demography and epidemiology of human health and aging. Springer Science & Business Media (selected chapters).

Lecture notes by the teacher.

Semester

2nd semester, approximately in the period March 1st - April 15th

Teaching language

Italian

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING