


In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits	30.0 h + 20.0 h	Q2
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Teacher(s)	Masquelier Bruno ;Masquelier Bruno (compensates Schoumaker Bruno);Schoumaker Bruno ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<p>The following themes are taught and developed in a transversal and longitudinal perspective:</p> <ul style="list-style-type: none"> • Demographic structures (age, sex, marital status) and population growth ; • Methods of fertility analysis ; • Methods of mortality analysis ; • Methods of internal migration analysis ; • Introduction to interactions between demographic movements and structures. <p>This course develops the concepts and methods studied in the introductory course to demography (SPED 1211) and enlarges its application field.</p>
Aims	<p>1. have acquired the tools to master the main methods and approaches of demographic analysis.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>A dispensatory test allowing students to evaluate their command of the material is organised in the middle of the semester.</p> <p>The final assessment is based on a written exam organized during the regular session.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>The course is structured around lectures and practical work. Active participation in courses and sessions of practical work is essential.</p>
Content	<p>The LDEMO 2160 course provides a solid introduction to demographic analysis. It explores further the concepts and methods seen in Introduction to Demography (LSPED 1211) and broadens the scope of this course. At the end of this course, students will be able</p> <ul style="list-style-type: none"> - to understand the fundamental tools of demographic analysis (rates, quotients, synthetic indices, etc.) and their applications, - to resort to the main methods of analysing the components of population change, both cross-sectionally and longitudinally - to mobilise these tools and methods in the context of concrete applications (based on individual or aggregated data). <p>-to read and use reference books in English.</p> <p>Topics covered:</p> <ul style="list-style-type: none"> - Crude rates and age-specific probabilities and rates, Lexis diagram, direct and indirect standardization. - Mortality analysis: cohort and period life tables, introduction to cause-specific mortality analysis, disability-free life expectancies, decomposition of differences in life expectancies,... - Fertility analysis: fertility rate by age and rank, parity progression, proximate determinants... - Methods for analysing migration and nuptiality
Inline resources	http://papp.iussp.org/
Bibliography	<p>A. Hinde. Demographic Methods. Hodder Arnold Publication. Arnold, 1998.</p> <p>S. Preston, P. Heuveline, and M. Guillot. Demography : Measuring and Modeling Population Processes, volume m. Blackwell, 2001.</p> <p>D.T. Rowland. Demographic Methods and Concepts. Oxford University Press, 2003</p>

Other infos	Introduction to demography (SPED 1211) is recommended Written examination. Lecture notes and portfolio of readings. A teaching assistant (20 h tutorials)
Faculty or entity in charge	PSAD

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Population and Development Studies	SPED2M	5		
Master [120] in Statistic: General	STAT2M	5		