



Teaching Guide

Identifying Data					2021/22
Subject (*)	Old Age Demography	Code	653540001		
Study programme	Máster Universitario en Xerontoloxía				
Descriptors					
Cycle	Period	Year	Type	Credits	
Official Master's Degree	1st four-month period	First	Obligatory	4	
Language	Spanish				
Teaching method	Face-to-face				
Prerequisites					
Department	Fisioterapia, Medicina e Ciencias Biomédicas				
Coordinador	Lorenzo López, Laura	E-mail	laura.lorenzo.lopez@udc.es		
Lecturers	Lorenzo López, Laura Maseda Rodríguez, Ana Belén	E-mail	laura.lorenzo.lopez@udc.es ana.maseda@udc.es		
Web	estudos.udc.es/es/subject/4540V01/4540001/2021				
General description	<p>This subject provides a coherent and comprehensive perspective of the characteristics of the population and its dynamics, and provides an insight into the main demographic challenges - particularly population aging - facing European societies. The analysis of the composition of the population by sex and age and its graphical representation will be addressed. Students will learn how the different demographic variables (mortality, fertility, migrations) condition the structure of the population by sex and age, which will allow them to understand the process of population aging and the changes in the age structure at advanced ages. The student will become familiar with the statistical and mathematical techniques necessary for the study of the population. Finally, the retirement age will be analyzed from a demographic perspective, and the pension system in Spain will be presented.</p>				



Contingency plan	<p>1. Modifications to the contents No changes will be made</p> <p>2. Methodologies * Teaching methodologies to be maintained - Master session - Objective test * Teaching methodologies that change The master and practical classes through ICT will be taught virtually through the Microsoft Teams platform. The objective test would be carried out using Moodle. Personalized attention to the resolution of doubts will be provided through Microsoft Teams, Moodle, and by e-mail.</p> <p>3. Mechanisms of personalized attention to the students - E-mail: daily. It is used to make consultations and request virtual meetings to solve doubts. - Moodle: daily. According to students' needs. They have "thematic forums associated with the topics" of the subject, to formulate the necessary consultations. - Teams: 1 weekly group session for the advancement of the theoretical contents in the time slot assigned to the subject in the faculty's classroom calendar. - In the event that students have problems connecting to the Internet, the telephone line can be used.</p> <p>4. Modifications in the evaluation The percentages of the evaluation, specified in the didactic guide, are maintained by taking the exam virtually using the Moodle tool. * Evaluation observations: They remain the same as in the didactic guide, except that: - References to the computation of attendance, which will be made with respect to the sessions that there were face-to-face until the time when the face-to-face activity was suspended, and from then on the attendance to the virtual classes will be considered. in the schedule previously established with the students. - If necessary, the July opportunity will be subject to the same criteria as the first opportunity.</p> <p>5. Modifications to the bibliography or webography No changes will be made. They already have all the work materials digitized in Moodle.</p>
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Study programme competences / results	
Code	Study programme competences / results
A1	To be able to recognize the main pathologies and geriatric syndromes through the application of new and innovative work methodologies adapted to the field of gerontology
A2	Be able to apply the method of comprehensive geriatric and gerontological assessment in order to establish the bases for implementing the individualized care plan
A7	Acquire advanced knowledge and demonstrating, in a context of scientific and technological or highly specialized research, a detailed and informed understanding of the theoretical and practical aspects and the methodology of work in the field of Gerontology
A8	Know how to apply and integrate the knowledge acquired, the understanding of these, its scientific foundation and its problem-solving capabilities in social and socio-sanitary environments and defined in an imprecise way, including multidisciplinary contexts both researchers and professionals in the field of gerontology
B1	Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
B2	That students know how to apply the knowledge acquired and their ability to solving problems in new or little-known environments within broader (or multidisciplinary) contexts related to gerontology and geriatrics
B4	That students know how to communicate their conclusions ? and the knowledge and ultimate reasons that support them ? to specialized and non-specialized audiences in a clear and unambiguous way



B5	That students possess the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous
C2	Mastering oral and written expression in a foreign language
C4	Acting as a respectful citizen according to democratic cultures and human rights and with a gender perspective

Learning outcomes			
Learning outcomes	Study programme competences / results		
- Knowledge and application of the main sources of statistical information on the population.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4
- Knowledge and application of the main techniques and instruments for demographic analysis of the population.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4
- Knowledge of the main indicators related to the study of the population.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC4
- Knowledge of the composition of the population by sex and age.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC4
- Knowledge of the main characteristics of the population in relation to economic activity and its impact on welfare systems.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4
- Knowledge of the main demographic phenomena and their impact on aging.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC4
- Knowledge of the aging of the population in Galicia and Spain and the situation in the context of the European Union.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4
- Knowledge of the main differences in the aging process: geographical differences, spatial differences, gender differences.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4
- Knowledge of the pension system in Spain: its recent evolution, its reforms, its current situation and its challenges and alternatives for the future.	AJ1 AJ2 AR2 AC1	BC1 BC2 BC4 BC5	CC2 CC4

Contents	
Topic	Sub-topic
BLOCK I: Study of the population. General considerations	THEME 1. Description and contents THEME 2. Availability of information THEME 3. Conceptual details



BLOCK II: Composition and characteristics of the population	THEME 4. Composition of the population by sex and age. THEME 5. Population pyramids. THEME 6. Economic activity and its impact on welfare systems.
BLOCK III: Study of the main demographic phenomena and their impact on aging.	THEME 7. Birth rate and fertility. THEME 8. Mortality
BLOCK IV: Aging of the population and pension systems	THEME 9. Aging of the population in Galicia and Spain THEME 10. The pension system in Spain and its reforms

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student's personal work hours	Total hours
ICT practicals	A1 A2 A7 A8 B2 B4 B5 C1 C2 C4	16	40	56
Objective test	A1 A2 A7 B1 C4	4	0	4
Guest lecture / keynote speech	A1 A2 A7 B1 C4	16	20	36
Personalized attention		4	0	4

(*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies	
Methodologies	Description
ICT practicals	Interactive laboratory classes: will take place in the computer classroom or using the students' personal computers. In these classes the students will have to carry out practical cases in which they will use the tools described in the theoretical classes. Students will have to analyze and comment on aspects related to demography and aging.
Objective test	Multiple-choice test on the contents of the subject matter explained in the lectures.
Guest lecture / keynote speech	Lectures: explanation of the theoretical contents of the subject. These classes will be supported by the use of PowerPoint presentations and the analysis of institutional web pages where statistical information for the analysis of the population can be found.

Personalized attention	
Methodologies	Description
ICT practicals	Since this is a subject with a relevant practical part, in which passing is linked to the correct use of the information received in the presentation of research work, the student's personal work is a fundamental part of the evaluation of the same, assuming a number of hours (minimum) similar to the classroom hours. The personalized attention to the student will help to complete in an individualized way his training, mainly in the search of information referred to demographic data of the population, the realization of the activities proposed during the course, as well as the examination of the subject.

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Guest lecture / keynote speech	A1 A2 A7 B1 C4	Explanation of the theoretical contents of the subject. These classes will be supported by the use of PowerPoint presentations and will analyze institutional web pages where statistical information for population analysis can be found.	10
Objective test	A1 A2 A7 B1 C4	Multiple choice test and multiple choice test on the subject matter explained in the lectures.	50
ICT practicals	A1 A2 A7 A8 B2 B4 B5 C1 C2 C4	Performance of tasks in interactive laboratory classes.	40

Assessment comments



In order to pass the course it is necessary to have passed an objective test.

Sources of information

Basic	Martínez Roget, F. (2002): Demografía Gerontológica. Segra Ediciones. Santiago de Compostela.
Complementary	Arroyo, A. (Coord.) (2003): Tendencias demográficas durante el siglo XX en España. Universidad de Sevilla-Instituto Nacional de Estadística. Entremont, A. (2001): Diez temas de demografía. Ediciones Internacionales Universitarias. Madrid. Fernández Leiceaga, X. (Dir) (2000): Avellamento demográfico e consecuencias socioeconómicas. Edicións Xerais de Galicia. Vigo. Gómez, R.; Hernández, R. (2004): ?Demographic maturity and economic performance : the effect of demographic transitions on per capita GDP growth?. Servicio de Estudios del Banco de España. Hinde, A. (1998): Demographic methods. Arnold. London. Livi-Bacci, M. (1993): Introducción a la demografía. Editorial Ariel. Barcelona. Nyce, Steven A.; Schieber, Sylvester, J. (2005): The economic implications of aging societies : the costs of living happily ever after. Cambridge University Press. Cambridge, UK. Onofri, P. (Editor) (2004): The economics of an ageing population : macroeconomic issues. Cheltenham : Edward Elgar. Pressat, R. (1989): Introducción a la demografía. Ariel. Barcelona. Preston, S. H.; Heuveline, P.; Guillot, M. (2001): Demography : measuring and modeling population processes. Ed. Blackwell. Oxford. Reher, D.; Valero, A. (2005): Fuentes de información demográfica en España. Centro de Tapinos, G. (1990): Elementos de demografía. Espasa Calpe, D.L. Investigaciones Sociológicas. Madrid. Vallin, J. (1995): La Demografía. Alianza, D.L. Madrid. Vinuesa, J. et al. (1994): Demografía. Análisis y proyecciones. Ed. Síntesis. Madrid.

Recommendations

Subjects that it is recommended to have taken before

Subjects that are recommended to be taken simultaneously

Gerontological Economy/653540023

Assessment in Gerontology/653540002

Subjects that continue the syllabus

Other comments

Recommendations for the study of the course: Regular attendance to classes. Completion of the laboratory practices. Daily study of the materials taught and the basic bibliography. Consultation of the recommended complementary bibliography. Participation and active discussion in the activities organized. Performance of the objective tests that will be carried out. Beginning in the use of the Microsoft Excel spreadsheet. In order to contribute to the achievement of an immediate sustainable environment and fulfill the strategic objective 2 of the "IV Action Plan of the FCS Green Campus Program (2020-2022)", the documentary work carried out in this area: (a) Most will be requested in virtual format and computer support. b) If on paper: - No plastics will be used. - Double-sided printing will be used. - Recycled paper shall be used. - Drafts shall be avoided.

(*The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.