UNIVERSIDADE DA CORUÑA

Teaching Guide					
Identifying Data				2022/23	
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		E-mail	laura.lorenzo.lopez@udc.es	
Web	estudos.udc.es/es/subject/4540V01/4540001/2021				
General description	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.				

Study programme competences / results	
Code	Study programme competences / results
A5	Acquire knowledge that allows the student to establish the appropriate Geronto-geriatric resource according to the characteristics of the older person
A6	Develop sufficient autonomy to participate in research projects and scientific or technological collaborations within the field of Gerontology, in interdisciplinary contexts both public and private and, where appropriate, with a high component of knowledge transfer.
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
C10	Know and apply the scientific method in the writing of projects
C11	Know how to disseminate the results obtained in the development of its activity through the sources of information available to the scientific community
C13	Know the possibilities of research in the field of gerontology in order to motivate students to join it, enabling the realization of doctoral theses

Learning outcomes

Learning outcomes	Study programme competences / results		
- Knowledge and application of the main sources of statistical information on the population.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge and application of the main techniques and instruments for demographic analysis of the population.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the main indicators related to the study of the population.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the composition of the population by sex and age.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the main characteristics of the population in relation to economic activity and its impact on welfare systems.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the main demographic phenomena and their impact on aging.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the aging of the population in Galicia and Spain and the situation in the context of the European Uníon.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the main differences in the aging process: geographical differences, spatial differences, gender differences.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13
- Knowledge of the pension system in Spain: its recent evolution, its reforms, its current situation and its challenges and alternatives for the future.	AJ5 AR1 AR2 AC1	BC1 BC2 BC4 BC5	CC10 CC11 CC13

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	A5 A6 A7 A8 B2 B4 B5 C10 C11 C13	16	40	56
Objective test	A5 A7 A8 B1 C13	4	0	4
Guest lecture / keynote speech	A5 A7 A8 B1 B5 C10	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	A5 A7 A8 B1 B5 C10	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	A5 A7 A8 B1 C13	Multiple choice test and multiple choice test on the subject matter explained in the lectures.	50
ICT practicals	A5 A6 A7 A8 B2 B4 B5 C10 C11 C13	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. Sega 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.LInvestigaciones 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.