UNIVERSIDADE DA CORUÑA

Teaching Guide				
Identifying Data				**2024/25**
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/gl/subject/4540V01/4540001/2024			
General description	This subject provides a comprehensive perspective of the characteristics of the population and its dynamics and provides 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 basic 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**
A9	CE1. To train and accredit professionals in the field of Gerontology
A10	CE2. To know the main social and socio-health problems affecting the elderly population and be able to detect them and act accordingly
A15	CE7. To know the main care resources for the elderly, as well as the suitability of their location according to their socio-sanitary characteristics
A16	CE8. To learn the basics of research and facilitate the incorporation of professionals in the field of gerontological research, both in public and private organisations and companies
B1	CG1. 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	CG2. 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	CG4. 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	CG5. That students possess the learning skills that allow them to continue studying in a way that will be largely self-directed or autonomous
C14	CT1. Acquire the necessary skills to apply the scientific method in project drafting
C15	CT2. Know how to disseminate the results obtained in the development of their activity through the sources of information available to the scientific community
C17	CT4. To encourage the incorporation of professionals in the field of research, facilitating the completion of doctoral theses

Learning outcomes	
Learning outcomes	**Study programme competences / results**

Knowledge and application of the main sources of statistical information on the population.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge and application of the main techniques and instruments for demographic analysis of the population.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the main indicators related to the study of the population.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the composition of the population by sex and age.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the main characteristics of the population in relation to economic activity and its impact on welfare systems.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the main demographic phenomena and their impact on aging.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the aging of the population in Galicia and Spain and the situation in the context of the European Union.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the main differences in the aging process: geographical differences, spatial differences, gender differences.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17
Knowledge of the pension system in Spain: its recent evolution, its reforms, its current situation and its challenges and alternatives for the future.	AC1 AC2 AC7 AC8	BC1 BC2 BC4 BC5	CC14 CC15 CC17

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	A9 A10 A15 A16 B2 B4 B5 C14 C15 C17	10	36	46
Objective test	A9 A10 A15 B1 C17	2	0	2
Guest lecture / keynote speech	A9 A10 A15 B1 B5 C14	16	32	48
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	Personalized attention will be, globally, through personalized individual and group tutoring during the course and according to established schedules. The student can contact the teachers by e-mail (jcmillan@udc.es; amaseda@udc.es; laura.lorenzo.lopez@udc.es) or in-person to establish tutorials, always according to their availability or the established schedules.

Since this is a subject with a relevant practical part, 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 practical activities proposed during the course, as well as the examination of the subject. |

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Guest lecture / keynote speech	A9 A10 A15 B1 B5 C14	For attendance to classroom and/or laboratory teaching.	10
Objective test	A9 A10 A15 B1 C17	Multiple choice test on the subject matter explained in the lectures.	50
ICT practicals	A9 A10 A15 A16 B2 B4 B5 C14 C15 C17	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.
All aspects related to "academic dispensation", "dedication to study", "permanence" and "academic fraud" shall be governed in accordance with the current academic regulations of the UDC.

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). Avellentamento demográfico e consecuencias socioeconómicas. Edicións Xerais de Galicia. Vigo.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.

Recommendations	
Subjects that it is recommended to have taken before	
Subjects that are recommended to be taken simultaneously	
Assessment in Gerontology/653540002	
Subjects that continue the syllabus	
Other comments	
General recommendations for the study of the course:Regular attendance to classesCompletion of the laboratory practicesDaily study of the materials taught and the basic bibliographyConsultation of the recommended complementary bibliographyParticipation and active discussion in the activities organizedBeginning in the use of the Microsoft Excel spreadsheetAccording to the different regulations applicable to university teaching, the gender perspective must be incorporated in this subject:Non-sexist language will be used, bibliography of authors of both sexes will be used, participation of male and female students in class will be encouraged....Work will be done to identify and modify sexist prejudices and attitudes and to influence the environment to modify them and promote values of respect and equality.Situations of gender discrimination should be detected and actions and measures to correct them will be proposed.GREEN CAMPUS: To achieve a sustainable immediate environment and meet the strategic objective 2 of the fifth Plan of sustainability - environmental Green Campus FCS 2023-2025, the documentary work carried out on this subject:Will be mostly requested in a virtual format and computer supportIf paper is used:Do not use plasticsUse double-sided printingUse recycled paperPrevent the realization of drafts	