



## Teaching Guide

Identifying Data					2024/25
<b>Subject (*)</b>	Geriatric Pathology and Intervention	<b>Code</b>	653540008		
<b>Study programme</b>	Máster Universitario en Xerontoloxía				
Descriptors					
Cycle	Period	Year	Type	Credits	
Official Master's Degree	2nd four-month period	First	Optional	4	
<b>Language</b>	SpanishGalician				
<b>Teaching method</b>	Face-to-face				
<b>Prerequisites</b>					
<b>Department</b>	Fisioterapia, Medicina e Ciencias Biomédicas				
<b>Coordinador</b>	Crespo Leiro, María Generosa	<b>E-mail</b>	maria.generosa.crespo.leiro@udc.es		
<b>Lecturers</b>	Cordido Carballido, Fernando Crespo Leiro, María Generosa Pérez Fontán, Miguel Toro Santos, Francisco Javier de Vilariño Vilariño, Maria Isabel	<b>E-mail</b>	fernando.cordido@udc.es maria.generosa.crespo.leiro@udc.es miguel.perez.fontan@udc.es javier.toro@udc.es isabel.vilarino@udc.es		
<b>Web</b>	estudos.udc.es/es/subject/4540V01/4540008/2024				
<b>General description</b>	Que o estudantado coñeza as principais alteracións da saúde e as pautas de avaliación e intervención nas principais enfermidades neurolóxicas, reumatolóxicas, hematolóxicas, do aparato respiratorio e cardiovasculares en pacientes de idade avanzada.				

## 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
A3	To be able to incorporate the Geronto-geriatric intervention methodology into the individualized intervention plans
A4	To be able to assume responsibility for their own professional development and their specialization in both the socio-health and health care for the older people in order to join the interdisciplinary teams of Geronto-geriatric assessment and intervention
A5	Acquire knowledge that allows the student to establish the appropriate Geronto-geriatric resource according to the characteristics of the older person
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
B3	That students are able to integrate knowledge and face the complexity of making judgments from information that, being incomplete or limited, includes reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments.
C6	Acquiring skills for healthy lifestyles, and healthy habits and routines
C7	Developing the ability to work in interdisciplinary or transdisciplinary teams in order to offer proposals that can contribute to a sustainable environmental, economic, political and social development
C9	Ability to manage times and resources: developing plans, prioritizing activities, identifying critical points, establishing goals and accomplishing them

## Learning outcomes



Learning outcomes	Study programme competences / results		
Coñecer as enfermidades dos diferentes órganos e sistemas con maior prevalencia en persoas maiores	AJ1 AJ2 AJ3 AJ4 AJ5 AC1		
Coñecer as enfermidades dos diferentes órganos e sistemas con maior incidencia en persoas maiores	AJ1 AJ2 AJ3 AJ4 AJ5	BC1 BC2 BC3	
Coñecer as principais enfermidades crónicas que afectan ás persoas maiores	AJ1 AJ2 AJ3 AJ4 AJ5	BC1 BC2 BC3	
Coñecer e ser capaz de aplicar as principais pautas de intervención farmacolóxica empregadas en persoas maiores en relación coas patoloxías sufridas	AJ1 AJ2 AJ3 AJ4 AJ5	BC1 BC2 BC3	
Coñecer e ser capaz de aplicar os principios da rehabilitación en patoloxías neuro-musculares e musculoesqueléticas	AJ1 AJ2 AJ3 AJ4 AJ5 AC1	BC1 BC2 BC3	CC6 CC7 CC9

Contents	
Topic	Sub-topic
TEMA 1. Patoloxía do sistema respiratorio	1.- Tipos de Insuficiencia respiratoria. Enfermidade Pulmonar Obstrutiva Crónica. 2.- Infeccións respiratorias. Bronquites crónicas. Pneumonías. Tuberculose 3.- Tromboembolismo pulmonar.
TEMA 2. Oncoloxía xeriátrica	1.- Epidemioloxía e etiopatogenia do cancro. 2.-Cancro colorrectal. 3.-Cancro broncopulmonar. 4.-Cancro de mama. Detección precoz e principais pautas terapéuticas
TEMA 3. Trastornos endocrinos e metabólico-nutricionais	1. Valoración do estado nutricional. Sobre peso e obesidade. 2.-Malnutrición e deshidratación: Requirimentos nutricionais. 3.-Malnutrición proteico-calórica, Deshidratación. 4.-Diabetes mellitus. 5.-Hipercolesterolemia. 6.-Enfermidades da glándula tiroides: Hiper e hipotiroidismo.



TEMA 4. Trastornos músculo-esqueléticos	<ol style="list-style-type: none"> <li>1.- Osteoartritis e artrite inflamatorias</li> <li>2.- Polimialgia reumática.</li> <li>3.- Arteritis da temporal.</li> <li>4.- Osteoporose e osteomalacia</li> </ol>
TEMA 5. Trastornos neurolóxicos	<ol style="list-style-type: none"> <li>1.- Enfermidade vascular cerebral</li> <li>2.- Demencias.</li> <li>3.-Enfermidade de Parkinson</li> </ol>
TEMA 6. Trastornos Gastrointestinales y Hepatobiliares	<ol style="list-style-type: none"> <li>1.- Trastornos Gastrointestinales: Patoloxía bucal, náuseas, vómitos e diarrea. Disfagia.</li> <li>2.- Sangrado dixestivo. Abdome agudo. Obstrución intestinal.</li> <li>3.-Hepatite e Cirrosis.</li> <li>4.- Pancreatitis aguda e crónica.</li> <li>5.-Tumores de fígado e páncreas.</li> </ol>
TEMA 7. Trastornos do ril, do tracto urinario e da próstata	<ol style="list-style-type: none"> <li>1.- Infecciones Urinarias. Cistitis. Pielonefritis.</li> <li>2.- Litiasis renal</li> <li>3.- Hipertrofia Prostática.</li> <li>4.- Cáncer de próstata</li> </ol>
TEMA8. Patoloxía cardíaca	<ol style="list-style-type: none"> <li>1.- Hipertensión arterial e complicacións.</li> <li>2.-Insuficiencia cardíaca.</li> <li>3.-Cardiopatía isquémica.</li> <li>4.-Valvulopatías.</li> <li>3.-Trastornos do ritmo cardíaco.</li> </ol>
TEMA 9. Patoloxía vascular periférica e Hematoloxía	<ol style="list-style-type: none"> <li>1.-Enfermidade arterial periférica.</li> <li>2.-Trombosis venosa profunda.</li> <li>3.-Anemias.</li> <li>4.-Trastornos da coagulación.</li> </ol>

Planning				
Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Multiple-choice questions	A1 A2 A3 A5 A4 A8 B1 B2 B3 C6 C7 C9	4	40	44
Case study	A1 A2 A3 A4 B2 B3 C6	0	20	20
Guest lecture / keynote speech	A1 A2 A3 A5 A4 A8 B1 B2 B3 C6 C7 C9	32	0	32
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
Multiple-choice questions	40 preguntas de resposta múltiple onde unicamente unha resposta será correcta. O estudante deberá obter un 65% da puntuación máxima para superar a proba
Case study	Ao longo do curso, o alumnado deberá resolver dous casos clínicos de entre os desenvolvidos na materia
Guest lecture / keynote speech	Exposición oral complementada co uso de medios audiovisuais e a introdución dalgunhas preguntas dirixidas aos estudantes, coa finalidade de transmitir coñecementos e facilitar a aprendizaxe

Personalized attention	
Methodologies	Description



Case study Guest lecture / keynote speech Multiple-choice questions	<p>The methodologies proposed will allow for a continuous evaluation of the student, assessing their attention span, study skills, and the resolution of various clinical problems affecting the elderly population.</p> <p>STUDENTS WITH RECOGNITION OF PART-TIME DEDICATION AND ACADEMIC EXEMPTION FROM ATTENDANCE, as established to &amp;quot;Rule that regulates the regime of dedication to the study of undergraduate students at the UDC&amp;quot; (Art.3.b and 4.5) and the &amp;quot;Rules of evaluation, review and claim of the qualifications of undergraduate studies and university master&amp;#39;s degree (Art. 3 and 8b), students may request tutorials with the teaching staff of the subject whenever they need it, facilitating the face-to-face or virtual mode according to the availability of the student.</p>
---	--

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Case study	A1 A2 A3 A4 B2 B3 C6	Ao longo do curso, o alumnado deberá resolver dous casos clínicos de entre os desenvolvidos na materia	25
Guest lecture / keynote speech	A1 A2 A3 A5 A4 A8 B1 B2 B3 C6 C7 C9	Asistencia as clases	10
Multiple-choice questions	A1 A2 A3 A5 A4 A8 B1 B2 B3 C6 C7 C9	40 preguntas de resposta múltiple onde unicamente unha resposta será correcta. O estudante deberá obter un 65% da puntuación máxima para superar a proba	65

Assessment comments
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	<ul style="list-style-type: none"> <li>- Ferreras-Rozman (2020). Medicina Interna, XIX Edición. Elsevier España</li> <li>- Harrison (2020). Principles of Internal Medicine. McGrawHill</li> <li>- Millan Calenti JC (2011). Gerontología y Geriatria. valoración e Intervención. Panamericana, Madrid</li> <li>- Millan Calenti JC (2006). Principios de Gerontología y Geriatria. McGrawHill</li> <li>- Mandell, Douglas y Bennet (2020). Principles and practice of Infectious Diseases. Elsevier</li> </ul>
Complementary	

Recommendations
Subjects that it is recommended to have taken before
Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments
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:a. Will be mostly requested in a virtual format and computer supportb. If paper is used:-Do not use plastics-Use double-sided printing-Use recycled paper-Prevent the realization of drafts

(\*)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.