



## Teaching Guide

| Identifying Data           |  |               |  |                | 2023/24 |
|----------------------------|--|---------------|--|----------------|---------|
| <b>Subject (*)</b>         | Medical-Surgical Conditions in Adult Patients  | <b>Code</b>   | 653G01301  |                |         |
| <b>Study programme</b>     | Grao en Terapia Ocupacional  |               |  |                |         |
| Descriptors                |  |               |  |                |         |
| <b>Cycle</b>               | <b>Period</b>  | <b>Year</b>   | <b>Type</b>  | <b>Credits</b> |         |
| Graduate                   | 1st four-month period  | Third         | Obligatory   | 7              |         |
| <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>           | Blanco García, Francisco Javier<br>Crespo Leiro, María Generosa<br>Lorenzo López, Laura<br>Maseda Rodríguez, Ana Belén<br>Reimunde Figueira, Pedro   | <b>E-mail</b> | f.blanco1@udc.es<br>maria.generosa.crespo.leiro@udc.es<br>laura.lorenzo.lopez@udc.es<br>ana.maseda@udc.es<br>pedro.reimunde@udc.es |                |         |
| <b>Web</b>                 | www.udc.es/fcs   |               |  |                |         |
| <b>General description</b> | Esta materia pretende o desenvolvemento de competencias que permitan ao alumnado comprender e aplicar os coñecementos relacionados coas afeccións médico cirúrxicas do adulto que orixinan disfunción ocupacional. Descritores: Coñecemento do proceso fisiopatolóxico en todos os momentos do ciclo vital, identificando os problemas e aspectos clínicos, preventivos e terapéuticos da persoa, tanto na saúde como na enfermidade. Coñecementos Médicos e Cirúrxicos aplicables ao ser humano en todos os momentos do ciclo vital (adulto) que capaciten para avaliar, sintetizar e aplicar tratamentos de Terapia Ocupacional. |               |  |                |         |

## Study programme competences / results

| Code | Study programme competences / results  |
|------|--|
| A1   | Explicar la relación entre el funcionamiento ocupacional, la salud y el bienestar.   |
| A3   | Sintetizar y aplicar el conocimiento relevante de ciencias biológicas, médicas, humanas, psicológicas, sociales, tecnológicas y ocupacionales, junto con las teorías de ocupación y participación. |
| B2   | Resolver problemas de forma efectiva.  |
| B4   | Trabajar de forma autónoma con iniciativa.   |
| B5   | Trabajar de forma colaborativa.  |
| B8   | Capacidad de análisis y de síntesis.   |
| B10  | Conocimientos básicos de la profesión.   |
| B12  | Conocimientos generales básicos sobre el área de estudio.  |
| B13  | Resolución de problemas.   |
| B28  | Toma de decisiones.  |
| C1   | Expresarse correctamente, tanto de forma oral como escrita, en las lenguas oficiales de la comunidad autónoma.   |

## Learning outcomes

| Learning outcomes  | Study programme competences / results |     |  |
|--|---------------------------------------|-----|--|
| Knowledge and ability to apply Pathophysiology within the context of Occupational Therapy. | A1                                    | B2  |  |
|  | A3                                    | B10 |  |
|  |                                       | B12 |  |
|  |                                       | B13 |  |
|  |                                       | B28 |  |



|   |    |                      |    |
|---|----|----------------------|----|
| Knowledge and ability to apply Medical Pathology within the context of Occupational Therapy.  | A1 | B2<br>B4<br>B8       | C1 |
| Knowledge and ability to apply Surgical Pathology within the context of Occupational Therapy. | A1 | B2<br>B4<br>B5<br>B8 | C1 |

| Contents   |  |
|--|--|
| Topic  | Sub-topic  |
| Rheumatology block. Medical Diseases of the Locomotor System | <ol style="list-style-type: none"> <li>1.Inflammatory joint diseases. Rheumatoid arthritis.</li> <li>2.Spondyloarthropathies. Ankylosing spondylitis. Psoriatic arthropathy and others.</li> <li>3.Microcrystal arthropathies. Gout and Pseudogout</li> <li>4.Osteoarthritis of the spine and limbs.</li> <li>5.Generalized bone diseases. Osteoporosis. Osteomalacia. Paget's disease of bone. Renal osteodystrophy.</li> </ol>   |
| Neurology Block  | <ol style="list-style-type: none"> <li>1.Coma and disorders of consciousness.</li> <li>2.Infections of the central nervous system.</li> <li>3.Epilepsy.</li> <li>4.Alcoholism and central nervous system.</li> <li>5. Amyotrophic Lateral Sclerosis (ALS).</li> </ol>  |
| Cardiovascular and Respiratory Pathology Block               | <ol style="list-style-type: none"> <li>1.Arteriosclerosis. High blood pressure.</li> <li>2.Ischemic heart disease. Other heart diseases.</li> <li>3.Heart failure.</li> <li>4.Respiratory failure. Types. Chronic obstructive pulmonary disease (COPD). Occupational lung diseases.</li> <li>5.COVID-19 and Post-COVID-19 Syndrome.</li> </ol>   |
| Miscellaneous Pathology Block                                | <ol style="list-style-type: none"> <li>1.Infectious diseases. Antimicrobial therapy. Immunizations. Tuberculosis. Human Immunodeficiency Syndrome.</li> <li>2.Diabetes mellitus: types. Acute and chronic complications</li> <li>3.Chronic liver disease: cirrhosis.</li> <li>4.Chronic renal failure.</li> <li>5.Major hematopoietic syndromes: anemia. Hemophilia. Oncology: causes, epidemiology and prevention Extension diagnosis and therapeutic strategies. Palliative care.</li> </ol>   |
| Surgical Pathology Block                                     | <ol style="list-style-type: none"> <li>1.Lymphatic system and lymphedema.</li> <li>2.Breast pathology: Breast nodule. Types. Benign or malignant? Breast cancer. Surgical treatment and its complications. Breast reconstruction after mastectomy. Early or late reconstruction. Types of reconstruction.</li> <li>3.Approach to the polytraumatized patient. ABC. Sequential phases of treatment. Damage control surgery. Traumatic brain injury (TBI) and its medical-surgical treatment.</li> <li>4.Spondyloarthritic pathology with special emphasis on low back pain and cervicalgia. Medical-surgical treatment. Physical exercise in patients with low back pain and cervicalgia.</li> <li>5.Urinary incontinence. Concept and epidemiology. Physiology of urination. Classification and types. Risk factors. Diagnosis and treatment.</li> </ol> |

**Planning**



| Methodologies / tests          | Competencies / Results  | Teaching hours (in-person & virtual) | Student?s personal work hours | Total hours |
|--------------------------------|-------------------------|--------------------------------------|-------------------------------|-------------|
| Guest lecture / keynote speech | A1 A3 B8 B10 B12<br>B28 | 27                                   | 17                            | 44          |
| Case study                     | B2 B4 B5 B8 B13 C1      | 94                                   | 0                             | 94          |
| Objective test                 | B2 B8 B12 B13 B28       | 0                                    | 32                            | 32          |
| Personalized attention         |                         | 5                                    | 0                             | 5           |

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

| Methodologies                  |  |
|--------------------------------|--|
| Methodologies                  | Description  |
| Guest lecture / keynote speech | The master class is also known as "lecture", "expository method" or "master lesson". This last modality is usually reserved for a special type of lesson given by a teacher on special occasions, with a content that supposes an original elaboration and based on the almost exclusive use of the word as a means of transmitting information to the audience.   |
| Case study                     | Methodology where the subject is faced with the description of a specific situation that poses a problem that has to be understood, valued and solved by a group of people, through a process of discussion. The student is faced with a specific problem (case), which describes a real situation of professional life, and must be able to analyze a series of facts, referring to a particular field of knowledge or action, to reach a reasoned decision through a process of discussion in small working groups.  |
| Objective test                 | Written test used for the assessment of learning, whose distinctive feature is the possibility of determining whether the answers given are correct or not. It is a measurement instrument, rigorously developed, that allows to evaluate knowledge, capacities, skills, performance, aptitudes, attitudes, intelligence, etc. It is applicable for diagnostic, formative and summative evaluation.<br><br>The objective test can combine different types of questions: multiple choice, ordering, short answer, discrimination, completion and/or association questions. It can also be built with only one type of one of these questions. |

| Personalized attention   |  |
|--|--|
| Methodologies  | Description  |
| Guest lecture / keynote speech<br>Objective test<br>Case study | Personalized attention will be done, globally, through direct and virtual personalized tutorials, individual and group.<br><br>STUDENTS WITH RECOGNITION OF PART-TIME DEDICATION AND ACADEMIC EXEMPTION FROM ATTENDANCE, as established to "Rule that regulates the regime of dedication to the study of undergraduate students at the UDC" (Art.3.b and 4.5) and the "Rules of evaluation, review and claim of the qualifications of undergraduate studies and university master'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. |

| Assessment                     |                         |  |               |
|--------------------------------|-------------------------|--|---------------|
| Methodologies                  | Competencies / Results  | Description  | Qualification |
| Guest lecture / keynote speech | A1 A3 B8 B10 B12<br>B28 | The student's attention, their intervention in class and fundamentally their attendance are evaluated.   | 10            |
| Objective test                 | B2 B8 B12 B13 B28       | It will be a single exam with all parts of the subject. The exam will be multiple choice test type and with only one correct answer. Each teacher will contribute the number of questions corresponding to the part that corresponds to him and the number of questions will be proportional to the amount of material taught. | 70            |
| Case study                     | B2 B4 B5 B8 B13 C1      | Continuous evaluation through presentation of topics and activities to be developed in the interactive teaching groups and reduced working groups.   | 20            |



## Assessment comments

### STUDENTS WITH RECOGNITION OF PART-TIME

DEDICATION AND ACADEMIC EXEMPTION FROM ATTENDANCE, as established by the

"Norm that regulates the regime of dedication to the study of undergraduate students at the UDC" (Art.3.b and 4.5) and the "Rules of evaluation, review and claim of the qualifications of the undergraduate and master's degree studies (Art. 3 and 8b), the qualification referred to classroom attendance, will be replaced by the realization of a practical work linked to said training. In addition, in personalized tutorials they will be explained the work done in the classroom so that they can do it properly at home.

Important supervised works:-The fraudulent performance of the tests or evaluation activities, once verified, will directly imply the loss of the right to the opportunity in which the fault is committed and with respect to the matter in which it was committed. Qualification of suspense in the call in which the lack is committed and respect for the subject in which it was committed: the student will be qualified with "suspense" (numerical grade 0) in the corresponding call of the academic year, both the commission of the fault occurs in the first opportunity and in the second. For this, their qualification will be modified in the first chance certificate, if necessary.

As stated in the different regulations applicable to university teaching, the gender perspective must be incorporated in this matter (non-sexist language will be used, bibliography of authors of both sexes will be used, the intervention in class of students will be encouraged ...). Work will be done to identify and modify prejudices and sexist attitudes and influence the environment to modify them and promote values of respect and equality. Situations of discrimination based on gender should be detected and actions and measures proposed to correct them.

## Sources of information



|                             |  |
|-----------------------------|--|
| <p><b>Basic</b></p>         | <p>- Ferreras-Rozman (2020). Medicina Interna, XIX Edición. Elsevier</p> <p>- Francisco J Blanco y Jesus Tornero (2020). Tratado de Enfermedades Reumaticas de la SER. Madrid: Editorial Medica Panamericana</p> <p>BIBLIOGRAFÍA DE CARDIOVASCULAR E MISCELÁNEA: Harrison Manual de Medicina, 2020. 20 edición. Editores: J. Larry Jameson, Anthony S. Fauci, Dennis L. Kasper, Stephen L. Hauser, Dan L. Longo, Joseph Loscalzo Sección 6. Hematología y Ondología; Sección 7. Enfermedades Infecciosas; Sección 8. Cardiología; Sección 9: Neumología</p> <p>BIBLIOGRAFÍA DE NEUROLOXÍA: Vázquez-Sánchez F, García-López B. Manual de Neurología para Terapia Ocupacional. Madrid-España: Editorial Médica Panamericana SA; 2023. BIBLIOGRAFÍA de PATOLOXÍA CIRÚRXICA 1. Abbad CM, Rial R, Ballesteros MD, García C. Guías de práctica clínica en enfermedad venosa crónica. Torrejón de Ardoz: iD-Médica; 2015. Disponible en: <a href="http://www.capitulodeflebologia.org/media/Guias-Practica-Clinica-Enfermedad-Venosa-Cronica_431.pdf">http://www.capitulodeflebologia.org/media/Guias-Practica-Clinica-Enfermedad-Venosa-Cronica_431.pdf</a></p> <p>2. Guía de práctica clínica. Consenso sobre úlceras vasculares y pie diabético de la Asociación Española de Enfermería Vascular y Heridas (AEEVH). Disponible en: <a href="http://www.aeev.net/pdf/AEEV%2035%20.pdf">http://www.aeev.net/pdf/AEEV%2035%20.pdf</a></p> <p>3. Guía Española de Consenso Multidisciplinar en Enfermedad Arterial Periférica de Extremidades inferiores. Suárez C, Lozano FS, coordinadores. Madrid: Luzán5; 2012. Disponible en: <a href="https://www.fesemi.org/sites/default/files/documentos/publicaciones/guia-consenso-enfermedad-arterial-periferica.pdf">https://www.fesemi.org/sites/default/files/documentos/publicaciones/guia-consenso-enfermedad-arterial-periferica.pdf</a></p> <p>4. Manual de Práctica Clínica en Senología 2015. Sociedad Española de Senología y Patología Mamaria. Disponible en: <a href="http://new.sespm.es/archivos/MANUAL-SESPM-2015.pdf">http://new.sespm.es/archivos/MANUAL-SESPM-2015.pdf</a></p> <p>5. Aspectos destacados de la actualización de las Guías de la AA para RCP y ACE de 2015. American Heart Association, 2015. Disponible en: <a href="https://eccguidelines.heart.org/.../2015/.../2015-AHA-Guidelines-Highlights-Spanish.pdf">https://eccguidelines.heart.org/.../2015/.../2015-AHA-Guidelines-Highlights-Spanish.pdf</a></p> <p>6. Manejo del paciente politraumatizado en el ámbito prehospitalario. Boletín de Información Farmacoterapéutica de navarra. Vol 16 (3); 2008. Disponible en: <a href="https://www.navarra.es/home_es/Temas/Portal+de+la+Salud/Profesionales/Documentacion+y+publicaciones/Publicaciones+tematicas/Medicamento/BIT/Vol+16/BIT+16+3.htm">https://www.navarra.es/home_es/Temas/Portal+de+la+Salud/Profesionales/Documentacion+y+publicaciones/Publicaciones+tematicas/Medicamento/BIT/Vol+16/BIT+16+3.htm</a></p> <p>6.PAS-Pautas actuación y seguimiento. Incontinencia urinaria. Coordinador general: Lozano J. Organización Médica Colegial. ISBN: 978-84-7867-243-1. Disponible en: <a href="https://www.ffomc.org/sites/default/files/PAS%20IU-MONOGRAFIA.pdf">https://www.ffomc.org/sites/default/files/PAS%20IU-MONOGRAFIA.pdf</a></p> |
| <p><b>Complementary</b></p> |  |

### 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:&nbsp;&nbsp;&nbsp;a. Will be mostly requested in a virtual format and computer support&nbsp;&nbsp;&nbsp;b. If paper is used:&nbsp;&nbsp;&nbsp;-Do not use plastics&nbsp;&nbsp;&nbsp;-Use double-sided printing&nbsp;&nbsp;&nbsp;-Use recycled paper&nbsp;&nbsp;&nbsp;-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.