



## Teaching Guide

Identifying Data					2018/19
<b>Subject (*)</b>	Occupational Therapy, Orthopedic-Prosthetic Techniques and occupational performance			<b>Code</b>	653G01208
<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	Second	Obligatory	4.5	
<b>Language</b>	Spanish				
<b>Teaching method</b>	Face-to-face				
<b>Prerequisites</b>					
<b>Department</b>	Ciencias Biomédicas, Medicina e FisioterapiaCiencias da Saúde				
<b>Coordinador</b>	Francisco De Miguel, María Isabel	<b>E-mail</b>	isabel.francisco@udc.es		
<b>Lecturers</b>	Francisco De Miguel, María Isabel Santos del Riego, Sergio Eduardo	<b>E-mail</b>	isabel.francisco@udc.es sergio.santos.delriego@udc.es		
<b>Web</b>					
<b>General description</b>	<p>This asignatura pretends the development of competitions that allow to the alumnado comprise and apply the knowledges and technical related with the Occupational Therapy, technical ortoprotésicas and exert occupational.</p> <p>Descriptores: Foundations of the personal autonomy in the activities of the daily life with and without adaptations and/or technical helps. Ortesis And Prosthesis.</p> <p>Knowledge and capacity to apply Technical Ortoprotésicas inside the context of the Occupational Therapy.</p>				

## Study programme competences / results

Code	Study programme competences / results
A1	Explicar la relación entre el funcionamiento ocupacional, la salud y el bienestar.
A2	Explicar los conceptos teóricos que sostienen la terapia ocupacional, expresamente la naturaleza ocupacional de los seres humanos y su funcionamiento a través de las ocupaciones.
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.
A4	Analizar las complejidades de aplicar teorías formales y evidencia de investigación en relación con la ocupación en el contexto de una sociedad en cambio.
A6	Trabajar en la sociedad con individuos y grupos para fomentar la promoción de la salud, la prevención, la rehabilitación y el tratamiento.
A7	Escoger, modificar y aplicar teorías apropiadas, modelos y métodos de la práctica para encontrar la ocupación según las necesidades de salud de individuos/poblaciones.
A9	Utilizar el potencial terapéutico de la ocupación a través del uso de la actividad y el análisis y síntesis ocupacional.
A10	Adaptar y aplicar el proceso de terapia ocupacional en estrecha colaboración de individuos/población.
A11	Trabajar para facilitar entornos accesibles y adaptados y promover la justicia ocupacional.
A12	Colaborar con comunidades para promover la salud y el bienestar de sus miembros mediante la participación en la ocupación.
A14	Valorar críticamente la práctica de la terapia ocupacional para asegurar que el foco está sobre la ocupación y el funcionamiento ocupacional.
A15	Trabajar según los principios de la práctica centrada en el cliente.
A17	Establecer sociedades de colaboración, consultar y aconsejar a clientes, trabajadores sociales, miembros de equipo y otros en la práctica de la ocupación y la participación.
A18	Colaborar con clientes para abogar al derecho de tener sus necesidades ocupacionales satisfechas.
A35	
B2	Resolver problemas de forma efectiva.
B3	Aplicar un pensamiento crítico, lógico y creativo.
B4	Trabajar de forma autónoma con iniciativa.
B5	Trabajar de forma colaborativa.
B6	Comportarse con ética y responsabilidad social como ciudadano y como profesional.



B7	Comunicarse de manera efectiva en un entorno de trabajo.
B8	Capacidad de análisis y de síntesis.
B9	Capacidad de aplicar los conocimientos a la práctica.
B10	Conocimientos básicos de la profesión.
B11	Capacidad para trabajar en un equipo interdisciplinar.
B12	Conocimientos generales básicos sobre el área de estudio.
B13	Resolución de problemas.
B16	Habilidad para trabajar de manera autónoma.
B18	Planificación y gestión del tiempo.
B26	Capacidad para adaptarse a nuevas situaciones.
B27	Capacidad para generar nuevas ideas.
B28	Toma de decisiones.
B29	Trabajo en equipo.
B35	Iniciativa y espíritu emprendedor.
B36	Preocupación por la calidad.
B37	Motivación.
C4	Desarrollarse para el ejercicio de una ciudadanía abierta, culta, crítica, comprometida, democrática y solidaria, capaz de analizar la realidad, diagnosticar problemas, formular e implantar soluciones basadas en el conocimiento y orientadas al bien común.
C5	Entender la importancia de la cultura emprendedora y conocer los medios al alcance de las personas emprendedoras.
C6	Valorar críticamente el conocimiento, la tecnología y la información disponible para resolver los problemas con los que deben enfrentarse.
C7	Asumir como profesional y ciudadano la importancia del aprendizaje a lo largo de la vida.
C8	Valorar la importancia que tiene la investigación, la innovación y el desarrollo tecnológico en el avance socioeconómico y cultural de la sociedad.

Learning outcomes		
Learning outcomes	Study programme competences / results	
Know and familiarise to the student with the concepts of ortesis and prosthesis and with the use of the technical ortoprotésicas from a perspective rehabilitadora and occupational that was functional for the user and that respect and guarantee the half sustainability-environmental.	A2 A3 A14	B2 B4 B5 B6 B9 B10 B12 B13 B16 B28 B29 B35 B37



<p>Sintetizar and apply the notable knowledge of the technical ortoprotésicas in the occupational dysfunction of a sustainable way to effects to use the therapeutic potential maximum, preparing to the student to buy (just trade), evaluate and adapt functionally the ortesis, prosthesis, products of support and adaptations like occupational therapeutic resource for the functional improvement of the user and an adecuación facilitadora in the surroundings.</p>	<p>A1 A3 A7 A9 A10 A11 A17 A18</p>	<p>B2 B4 B5 B7 B9 B10 B13 B16 B26 B27 B28 B35 B37</p>	
<p>Value críticamente the practice of the Occupational Therapy and satisfy the occupational needs of the user with physical disability in matter of ortoprótesis, boosting that the student recognise the ortesis, prosthesis, products of support and adaptations like an occupational therapeutic resource to improve the functionality and the exert occupational in a frame of sustainable development.</p>	<p>A1 A2 A10 A11 A12 A14 A15 A17 A18 A35</p>		<p>C4 C5 C6 C8</p>
<p>Improve the capacities like professional and like person of the student of Occupational Therapy, promoting the critical reflection on the relation between the use of the ortesis, prosthesis, products of support and adaptations in the exert occupational and the social roles of some sustainable surroundings.</p>	<p>A3 A4 A6</p>	<p>B8 B9 B11 B13</p>	<p>C4</p>
<p>Improve in skills and generic attitudes that favour the personal development and professional of the student of Occupational Therapy, qualifying him especially in the preparation of splints, products of support and other adaptations, considering appearances of just and responsible trade and of half sustainability-environmental, very especially with the materials employed in the realisation of these devices.</p>	<p>A3</p>	<p>B2 B3 B4 B5 B10 B11 B12 B13 B16 B18 B27 B28 B29 B36 B37</p>	<p>C4 C5 C6 C7</p>

Contents	
Topic	Sub-topic



<p>Subject 1.- Occupational therapy, technical ortoprotésicas and exert occupational.</p> <p>Profs. Sergio Santos del Riego and Isabel Francisco of Miguel.</p>	<p>Initial activities.</p> <p>Generalities and concepts from the occupational perspective.</p> <p>Ortesis and internal (knee,...) e external Prosthesis like occupational therapeutic resource.</p> <p>Materials employees in ortoprótesis in Occupational Therapy.</p> <p>Importance of the occupational therapist in the functional adaptation of the person with discapacity employing ortoprotetic techniques.</p> <p>Handle of the Ortoprótesis in the team interdisciplinar.</p>
<p>Subject 2.- Orthosis of vertebral column.</p> <p>Prof. Sergio Santos del Riego.</p>	<p>Orthosis of vertebral column.</p> <p>Ortoprótesis: Cifosis and Scoliosis.</p> <p>Another.</p>
<p>Subject 3.- Orthosis and Prothesis of upper member.</p> <p>Prof. Sergio Santos del Riego.</p>	<p>Orthosis of upper member.</p> <p>Amputations of upper member. Reimplantations.</p> <p>Prothesis of upper member.</p>
<p>Subject 4.- Orthosis and Prothesis of limbs member.</p> <p>Prof. Sergio Santos del Riego.</p>	<p>Orthosis of limbs member.</p> <p>Amputations of limbs member. Reimplantations.</p> <p>Prothesis of limbs member.</p>
<p>Subject 5.- Products of Support and Adaptations in Occupational Therapy.</p> <p>Profª. Isabel Francisco de Miguel.</p>	<p>Definitions.</p> <p>General ranking ISO of the Products of Support (Technical Helps).</p> <p>Adaptations in Occupational Therapy: Generalities.</p>
<p>Subject 6.- Practical:</p> <p>Profª. Isabel Francisco de Miguel.</p>	<p>Basic principles stop the manufacture of orthosis in Occupational Therapy.</p> <p>Types of existing materials employees in the manufacture of orthosis and prothesis.</p> <p>Manufacture of different ortesis of interest in Occupational Therapy with diverse material.</p> <p>Manufacture of a folder of personnel of orthosis where specify : type, utilization, maintenance, functions and other aspects of occupational interest.</p> <p>Design and manufacture of a product of support.</p> <p>Preparation of material and manufacture of férulas.</p>

Planning

Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
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Guest lecture / keynote speech	A2 A1 A4 A7 A9 A12 A14 A17 A18 A35 B10 B12 C4 C5 C6 C7 C8	15	30	45
Laboratory practice	A3 A6 A10 A11 A15 B2 B3 B4 B5 B6 B7 B8 B9 B11 B13 B16 B18 B26 B27 B35 B36 B37	50	10	60
Mixed objective/subjective test	A2 A1 A3 A4 A6 A7 A9 A10 A11 A12 A14 A15 A17 A18 A35 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B16 B18 B26 B27 B28 B29 B35 B36 B37 C4 C5 C6 C7 C8	2	0	2
Introductory activities	C4 C5 C6 C7 C8	1.5	0	1.5
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
Guest lecture / keynote speech	<p>The kind maxistral is also known like "conference", "method expositivo" or "lesson maxistral". This last modality usually reserve it a special type of lesson imparted by a professor in special occasions, with a contained that it supposes an original manufacture and based in the almost exclusive use of the word like road of transmission of the information to the audience.</p> <p>Related fundamentally with the specific competitions reflected in the program.</p>
Laboratory practice	<p>Methodology that allows that the students learn sure enough through the realization of activities of practical character, such as demonstrations, exercises, experiments and investigations.</p> <p>Related fundamentally with the generic and specific competitions reflected in the program.</p>
Mixed objective/subjective test	<p>It tests that it integrates questions type of proofs of essay and questions type of objective proofs.</p> <p>Regarding questions of essay, collects developmental open questions. Besides, in song objective questions, can combine questions of multiple answer, of ordination, of brief answer, of discrimination, to complete and/or of association.</p>
Introductory activities	<p>Activities that carry out before initiating any process of teaching-learning to know the competitions, interests and/or motivations that possesses the students stop the attainment of the objective that want to reach , linked it a formative program. With her intends to obtain information relevante that allow to articulate the docencia to favour effective and significant learnings, that split of the know previous of the students.</p> <p>It allows to purchase specific and generic competitions of start and adaptation previously to the the competitions assigned in this subject.</p>

Personalized attention	
Methodologies	Description



Laboratory practice	The attention customized will do, globally, by means of tutorías customized direct and virtual, individual and grupales.
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Assessment			
Methodologies	Competencies / Results	Description	Qualification
Guest lecture / keynote speech	A2 A1 A4 A7 A9 A12 A14 A17 A18 A35 B10 B12 C4 C5 C6 C7 C8	Evaluation with modality of mixed proof.	0
Laboratory practice	A3 A6 A10 A11 A15 B2 B3 B4 B5 B6 B7 B8 B9 B11 B13 B16 B18 B26 B27 B35 B36 B37	Second criteria that will establish the professor at the beginning of the course before beginning the kinds.	60
Mixed objective/subjective test	A2 A1 A3 A4 A6 A7 A9 A10 A11 A12 A14 A15 A17 A18 A35 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B16 B18 B26 B27 B28 B29 B35 B36 B37 C4 C5 C6 C7 C8	Examen Theoretical, Prof. Sergio Santos del Riego, on 3 points. The examen theoretical, Prof <sup>a</sup> . Isabel Francisco de Miguel, on 1 point, will be integrated together with the evaluación practical, that conviértese in theorist-practical on 7 points, with the determined determining that they will explain in this same guide.	40

Assessment comments
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The evaluation of the matter will realise by means of a process of continuous evaluation (practical and theoretical partial proof) and a final examination theorist.

The evaluation will do of the following way:

1.- PRACTICAL CONTINUOUS EVALUATION-THEORETICAL, Prof<sup>a</sup>. Isabel Francisco of Miguel, Fixed Punctuation: 70% (7 points).

- PRACTICAL: On 6 points.

Considerandos And Criteria of Evaluation on the Practices:

On Material that have to contribute the students:

- A towel, some scissors, a folder, folios, a metre, rotuladores (one indeleble), a cutter.

- Knife, fork and spoon, brush peel, keys, among others that they will inform , for the realisation of products of support.

On Laboratory of Practices:

- compulsory Assistance and participate in educational activities. Any absence of greater cause has to be warned previously and justified documentalmente a posteriori in the most brief term possible.

- Recognise, handle and work with the different thermoplastic materials.

- Understanding, development and realisation in the process of design of patterns.

- Preparation and preparation of splints.

- Preparation and preparation of products of support-initiative with regard to other products of support.

- Dedication out of the schedule of class like personal work for the realisation of the portafolios.

On final Result, evaluation:

- Realisation of patterns. Presentation in CD of the realisation of the patterns and of the theory of the splints that present .

- Splint of rest in functional position, Splint of rest antiespástica, Splint syndrome tunel carpiano, Splint of Quervain, Splint of the thumb, Splint of Mallet and Splint in I.

- Products of Support and Adaptations realised in the feeding (knife, fork, spoon), in the aséo (toothbrush, comb, ...) And others to choose.

- Portafolios With the patterns of the realised in the asignatura.

- Work of splints and products of support realised and presented in a box (precintada) with name and surnames of the student.

- THEORY: On 1 point.

- Assessment of theoretical knowledges by means of proof written. The professor will determine place and date for the partial proof.

2.- FINAL EXAMINATION THEORIST, Prof. Sergio Santos of the Irrigation, Variable Punctuation: 30% (3 points).

FINAL QUALIFICATION:

to.- Sumatorio Of the previously expressed parts, with the following considerandos:

- In the evaluation continued theoretical practical has to have a minimum of 4 points (on 7). The practices evaluate on 6 points. The theory evaluates on 1 point. If the student obtains 0.5 or more qualification in the theory, the great punctuation to the qualification of practices. If the student obtains less than 0.5, will subtract of the qualification of practices of the following way:

Students with 0.4 in the theory, will subtract 0.6 of the qualification of practices.

Students with 0.3 in the theory, will subtract 0.7 of the qualification of practices.

Students with 0.2 in the theory, will subtract 0.8 of the qualification of practices.

Students with 0.1 in the theory, will subtract 0.9 in the qualification of practices.

Students with 0 in the theory, will subtract 1 point in the qualification of practices.

Students no presented to the theory, will have a qualification of no presented in the continuous evaluation.

- In the evaluation of the final examination theorist will be necessary a 1.5 (on 3) to realise the sumatorio with the qualification that obtain of the definite continuous evaluation (fixed punctuation).

b.-The practical are compulsory. The absence in practices, without justifying or justified, of a number or percentage that will establish the professor to the beginning of the course on the total or of hours or of classes supposes a no presented or a suspense of the asignatura, according to context.

c.- The no presented or suspense in the fixed punctuation does not prevent to present to the announcement of the second edition (July). In this announcement will realise , with a high level of exigencia, a theoretical examination-practical, court or similar (on 7 points), to criterion of the professor, and a theoretical examination (on 3 points) to criterion of the professor.

d.- The professors will deliver his REVISED qualifications, according to valid legal rule of reviews of examinations, in the term established by the responsible professor of the asignatura, that will be the half of the official term marked in the Rectorship for the closing and signature of records in the computer application.

And.- The manager of the asignatura will realise the last contextual and institutional considerations and will proceed to the introduction of the final

qualifications in the computer application and to the signature of the record.

The system of qualifications will express by means of numerical qualification in accordance with the established in the art. 5 of the Royal decree 1125/2003 of 5 September (BOE 18 September), by which establishes the European system of credits and the system of qualifications in the university degrees of official character and validity in all the national territory System of qualifications: 0-4.9=Suspense 5-6.9=Approved 7-8.9=Remarkable 9-10=Excellent 9-10 Matrícula of Honour (Graciable).

\*According to The normnativa of the UDC for the estudantes enrolled part time (Norm that regulates or réxime of dedication ao estudo two estudantes of grao na Universidade gives Coruña - Council of governed do 29 of maio do 2012) these have right to a diet of assistance to class of flexible character, requesting previously dispenses it special academician (art.4 section.5), not affecting negatively to the process of evaluation of the student.





## Sources of information

<b>Basic</b>	<p>Prótesis, órtesis y ayudas técnicas. Ramón Zambudio Periago. Barcelona: Elsevier Masson, 2009. ISBN978-84-458-1969-27. Rehabilitación física. Susan B. O'Sullivan. Badalona: Paidotribo, 2013. ISBN 978-84-9910-166-8. Guía de uso y prescripción de productos ortoprotésicos a medida. Enrique Viosca Herrero, 2ª ed. Valencia: Instituto de Biomecánica de Valencia, 2004. ISBN 9788492397433. Innovación para la mejora de la autonomía pesonal: Premio IBV-ORTOPROTEC, primera edición (2009). Valencia: Instituto de Biomecánica de Valencia (IBV), 2010. ISBN 978-84-95448-16-3. Ortopedia y Traumatología: revisión sistemática. Mark D. Miller. Barcelona: Elsevier, 2009. ISBN 978-84-8086-477-0. Living with a below-knee amputatioin a unique insight from a prosthetist/amputee. Richard Riley. Thorofare: SLACK, 2005. ISBN 1-55642-692-5. Prótesis articulares nuevas perspectivas. EC. Rodríguez Merchán. Madrid: Médica Panamericana, 2005. ISBN 84-7903-400-9. Amputación de extremidad inferior y discapacidad. Prótesis y rehabilitación. Miguel Ángel González Viejo. Barcelona: Masson, 2005. ISBN 84-458-1513-X. Guía descriptiva de ortoprotésis. Madrid: Ministerio de Sanidad y Consumo, Centro de publicaciones, 2000. ISBN 84-7670-652-9. Prosthetic and orthotics. Donald Shurr. New Jersey: Prentice Hall, 2000. ISBN 088581331. R. Viladot, O. Cobi, S. Clavell (1991). Ortesis y prótesis del aparatro locomotor. Editorial Masson (4 tomos: columna vertebral, extremidad superior y dos de extremidad inferior).</p>
<b>Complementary</b>	 

## 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 help to achieve some sustainable immediate surroundings and fulfil the strategic aim of the Plan Green Campus FCS, the documentary works that realise in this matter:

- a.- Mostly they will request in virtual format and computer support.
- b.- To realise in paper:
  - they will not use plastic.
  - They will realise impressions to double expensive.
  - It will employ paper recycled.
  - It will avoid the realisation 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.