



Teaching Guide				
Identifying Data				2017/18
Subject (*)	Occupational Therapy, Orthopedic-Prosthetic Techniques and occupational performance	Code	653G01208	
Study programme	Grao en Terapia Ocupacional			
Descriptors				
Cycle	Period	Year	Type	Credits
Graduate	1st four-month period	Second	Obligatoria	4.5
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Ciencias Biomédicas, Medicina e FisioterapiaCiencias da Saúde			
Coordinador	Francisco De Miguel, María Isabel	E-mail	isabel.francisco@udc.es	
Lecturers	Francisco De Miguel, María Isabel Santos del Riego, Sergio Eduardo	E-mail	isabel.francisco@udc.es sergio.santos.delriego@udc.es	
Web				
General description	<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 Prosthesis like occupational therapeutic resource.</p> <p>Materials employees in ortoprótesis in Occupational Therapy.</p> <p>Importance of the terapeuta occupational in the functional adaptation of the person with discapacidade employing techniques ortoprotésicas.</p> <p>Handle of the Ortoprótesis in the team interdisciplinar.</p>
<p>Subject 2.- Ortesis of vertebral column.</p> <p>Prof. Sergio Santos del Riego.</p>	
<p>Subject 3.- Ortesis and Prótesis of upper member.</p> <p>Prof. Sergio Santos del Riego.</p>	
<p>Subject 4.- Ortesis and Prótesis of inferior member.</p> <p>Prof. Sergio Santos del Riego.</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 ortesis in Occupational Therapy.</p> <p>Types of existing materials employees in the manufacture of ortesis and prosthesis.</p> <p>Manufacture of different ortesis of interest in Occupational Therapy with diverse material.</p> <p>Manufacture of a folder of personnel of ortesis 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
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	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. Related fundamentally with the specific competitions reflected in the program.
Laboratory practice	Methodology that allows that the students learn sure enough through the realization of activities of practical character, such as demonstrations, exercises, experiments and investigations. Related fundamentally with the generic and specific competitions reflected in the program.
Mixed objective/subjective test	It tests that it integrates questions type of proofs of essay and questions type of objective proofs. 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.
Introductory activities	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. It allows to purchase specific and generic competitions of start and adaptation previously to the the competitions assigned in this subject.

Personalized attention

Methodologies	Description
Laboratory practice	The attention customized will do, globally, by means of tutorías customized direct and virtual, individual and grupales.

Assessment

Methodologies	Competencies / Results	Description	Qualification
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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	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 ^a . 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



The evaluation of the subject will realize by means of a process of continuous evaluation (practices and theoretical partial proof) and an examination theoretical final.

The evaluation will do of the following way:

1.- PRACTICAL CONTINUOUS EVALUATION-THEORETICAL, Prof^a. Isabel Francisco de Miguel, Punctuation Fixes: 70% (7 points).

- PRACTICAL: On 6 points.

Considerandos And Criteria of Evaluation on them Practical:

On Material that have to attach the students:

- A towel, some scissors, a folder, folios, a metre, markers (an indeleble), a cutter.

- Knife, tenedor and spoon, brush hair, key, go in others that will inform , stop the realization of products of support.

On Laboratory of Practical:

- Mandatory assistance and take part in teaching activities. Any absence of senior cause has to be let know previously and justificada documentalente a posteriori in the most brief term possible.

- Recognize, handle and work with the different materials termoplásticos.

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

- Confección And manufacture of férulas.

- Confección And manufacture of products of support-initiative concerning other products of support.

- Dedicación It was of the time of kind like personal work stop the realization of the portafolios.

On final Result, evaluation:

- Realization of patterns. Presentation in CD of the realization of the patterns and of the theory of the férulas that present .

- Férula Of repouso in functional position, Férula of repouso antiespástica, Férula syndrome tunel carpiano, Férula of Quervain, Férula of the pulgar, Férula of Mallet and Férula in I.

- Products of Support and Adaptations realized in the feeding (knife, tenedor, spoon), in the aséo (brush of teeth, peite, ...) And another to choose.

- Portafolios With the patterns of the realized in the subject.

- Work of férulas and products of support realized 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 stop the partial proof.

2.- THEORETICAL FINAL EXAME, Prof. Sergio Santos del Riego, Variable Punctuation: 30% (3 points).

FINAL QUALIFICATION:

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

- In the evaluation continued practical theorist owes 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 punctuation sum to the qualification of practical. If the student obtains less of 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 practical.

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

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

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

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

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

- In the evaluation of the examination theoretical final will be necessary a 1.5 (on 3) to realize the sumatorio with the qualification that obtain of the definitive continuous evaluation (punctuation fixes).

b.-The practices are mandatory. The absence in practices, without justificar or justificadas, of a number or percentage that will establish the professor to the beginning of the course on it total or well of hours or well of kinds supposes one no presented or a suspenso of the subject, as context.

c.- The no presented or suspenso in the punctuation fixes does not preclude to presented to the announcement of the second edition (July). In this announcement will realize, with one high level of demand, 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 qualifications REVIEWED, according to valid legal rule of reviews of examinations, in the term established put responsible professor of the subject, that will be the half of the official term marked in the Reitorado stop the closing and signature of acta in the application computing.

e.- The manager of the subject will realize the last considerations contextuales and institutional and will proceed to the introduction of the final qualifications in the application computing and to the signature of the proceedings.

The system of qualifications will express by means of numerical qualification in accordance with the established in the art. 5 of the Real Decree

1125/2003 of 5 of September (BOE 18 of September), by the that establishes the European system of credits and the system of qualifications in the university qualifications of official character and validity in all the national territory System of qualifications: 0-4.9=Suspenso 5-6.9=Approved 7-8.9=Remarkable 9-10=Sobresaliente 9-10 Matrícula of Honour (Graciable).

To help to achieve some sustainable immediate surroundings and fulfil the strategic objective 9 of the I Plan of Sustainability Half-environmental Green Campus FCS, the works documentales that they realize in this subject:

It.- Mayoritariamente they will request in virtual format and bear informático.

b.- To realize in paper:

- No they will use plastic.- They will realize impressions to double expensive.- It will employ paper recycled.- It will avoid the realization of drafts.



Sources of information

<p>Basic</p>	<p>Prótesis, órtesis y ayudas técnicas. Ramón Zambudio Periago. Barcelona: Elsevier Masson, 2009. ISBN 978-84-458-1969-27. 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 personal: 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 amputation 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 aparato locomotor. Editorial Masson (4 tomos: columna vertebral, extremidad superior y dos de extremidad inferior). Guía descriptiva de ortoprotésis. Consejo interterritorial del Sistema Nacional de Salud. Ministerio de Sanidad y Consumo (tres tomos: Tomo I: sillas de ruedas, prótesis especiales y órtesis de columna vertebral; Tomo II: órtesis de miembro superior e inferior; Tomo III: prótesis externas e internas de miembro superior e inferior). Orthotics and prosthetics in rehabilitation. Michelle M. Lusardi, New York: Elsevier, 2013. ISBN 9781437719369. Saber mirar: percepción social de las ayudas técnicas. Madrid: Centro Estatal de Autonomía Personal y Ayudas Técnicas, 2004. DLM 52522-2004. Ayudas técnicas y discapacidad. Elaborado por la Asociación de Usuarios de Prótesis y Ayudas Técnicas (AUPA). Madrid: Comité Español de Representantes de Personas con Discapacidad, 2005. ISBN 84-609-5203-7. Guía de orientación en la práctica profesional de la valoración reglamentaria de la situación de dependencia: productos de apoyo para la autonomía personal. Margarita Sebastián Herranz. Madrid: IMSERSO, 2012. ¡Pregúntame sobre accesibilidad y ayudas técnicas! Madrid: IMSERSO, 2005. ISBN 84-95448-11-4. Ayudas técnicas y discapacidad, número 15, colección CERMI. www.cermi.es Catálogo general de ayudas técnicas. CEAPAT. Alcántud Marín, F. y Ferrer Manchón, A.M. (1998). Ayudas técnicas para estudiantes con discapacidades físicas y sensoriales: Las tecnologías de ayuda. En Rivas, F. y López, M.L. Asesoramiento vocacional a estudiantes con minusvalías físicas y sensoriales. Valencia. Universitat de València. Servei de publicacions. MUSA/IBV. Método para la selección de ayudas técnicas bajo criterios de usabilidad. Instituto de Biomecánica de Valencia, 2003. Servicio de daño cerebral del Hospital Aita Menni (2005): Manual de ayudas técnicas. Berekintza [et al.]. Instituto de Biomecánica de Valencia. Guía de uso y prescripción de productos ortoprotésicos a medida. IBV: Valencia, 1999. Bové, Toni (2000). El vendaje funcional. Ediciones Harcourt, Madrid. Norkin-White (2006). Goniometría, evaluación de la movilidad articular. Marban libros, Madrid. Peterson Kendall, Florence [et al.]: Kendall's, músculos, pruebas funcionales, postura y dolor. Marban libros, Madrid.</p>
<p>Complementary</p>	<p>
</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



Para axudar a conseguir unha contorna inmediata sustentable e cumprir o obxectivo estratéxico 9 do I Plan de Sustentabilidade Medio-ambiental Green Campus FCS, os traballos documentales que realícense nesta materia:a.- Mayoritariamente solicitaranse en formato virtual e soporte informático.b.- De realizarse en papel:- Non se utilizarán plásticos.- Realizaranse impresións a dobre cara.- Empregarase papel reciclado.- Evitarase a realización de borradores.

(*)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.