



Teaching Guide

Identifying Data					2021/22
Subject (*)	Digital Orthopedics and Footwear Therapy		Code	750G02020	
Study programme	Grao en Podoloxía				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	2nd four-month period	Third	Obligatory	6	
Language	Galician				
Teaching method	Face-to-face				
Prerequisites					
Department	Ciencias da Saúde				
Coordinador	López López, Daniel	E-mail	daniel.lopez.lopez@udc.es		
Lecturers	López López, Daniel	E-mail	daniel.lopez.lopez@udc.es		
Web	campusvirtual.udc.gal/				
General description	<p>A asignatura de ortesioloxía dixital e calzadoterapia posee unha clara importancia de cara a que o alumnado desenrole coñecementos, habilidades e destrezas importantes no proceso ensinanza ? aprendizaxe do seu proceso formador para mellorar a saúde das persoas.</p> <p>O valor é moi significativo para o futuro podólogo, de cara a comprender, actuar e profundizar no campo terapéutico da ortoprótesis, no uso e a indicación de produtos sanitarios podolóxicos, proporcionándolle unha formación básica de coñecementos teóricos e destrezas prácticas, co fin de que adquira as competencias básicas relacionadas ca prescripción, deseño e obtención das principais orteses dixitais e próteses do pe e coñeza a súa relación co resto do membro inferior.</p> <p>Mediante a prescripción de dispositivos orto-protésicos a medida ou prefabricados, numerosos estudos demostraron a eficacia destes dispositivos tanto na redución da sintomatoloxía, como na recuperación da funcionalidade de diversas situacións patolóxicas debidas a alteracións estruturais ou funcionais do pe ou dalgunha outra estrutura do membro inferior.</p>				
Contingency plan	<ol style="list-style-type: none"> 1. Modifications to the contents 2. Methodologies <ul style="list-style-type: none"> *Teaching methodologies that are maintained *Teaching methodologies that are modified 3. Mechanisms for personalized attention to students 4. Modifications in the evaluation <ul style="list-style-type: none"> *Evaluation observations: 5. Modifications to the bibliography or webgraphy 				

Study programme competences

Code	Study programme competences
A22	Deseñar, obter e aplicar mediante diferentes técnicas e materiais os ortesis plantares e ortesis dixitais, próteses, férulas. Ortesiología plantar e dixital. Estudo do calzado e calzadoterapia. Prescripción de tratamentos ortopédicos da extremidade inferior.
B7	Comunicarse de maneira efectiva nun entorno de traballo.



C7	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
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Learning outcomes			
Learning outcomes	Study programme competences		
Designing, obtaining and applying different techniques and materials by the orthotics and digital orthoses, prostheses, splints. Plantar and digital orthotics . Study of footwear and therapy shoes. Orthotic treatment prescription lower extremity.	A22	B7	C7
Design, procure and implement using different techniques and the orthotics digital.	A22	B7	C7
Prescribe and implement plantar and digital orthoses on podiatric conditions Morphological and functional.	A22	B7	C7
Meet and develop scanning techniques, to make a diagnosis and prognosis, and plan deseñar orthosis treatment of lower extremity pathology. Skeletal muscle injury and ligament. Pathology of the forefoot and hindfoot. Congenital deformities. Neurological injuries. Amputations. Asymmetries.	A22	B7	C7

Contents	
Topic	Sub-topic
1. Fundament Digital Orthotics	a) Introduction to digital orthotics. b) Current frame digital orthotics.
2. Materials needed for a development of orthoses.	a) Silicone. b) Catalyst. c) Additives or fillers. d) Auxiliary materials and accessories.
3. Making silicone orthoses.	a) Preparation: considerations. b) Protocol. c) Recommendations and rules of use for the patient. d) Handling and working times. e) Evaluation of Silicone orthotics. f) Failures in Silicone orthotics.
4. Therapeutic elements Silicone orthotics.	a) Description of elements comprising silicone orthoses. b) Frequent digital orthotics.
5. Therapeutic Application of Digital Orthotics	a) Biomechanical effect. b) Therapeutic Application.
6. Nail Orthotics.	a) Introduction to the nail orthotics. b) Development of the nail orthotics. c) Therapeutic Application.
7 Introduction to therapy shoes.	a) Parts shoe: sole and cut. b) Lasts footwear.
8. Therapeutic devices in the Shoes.	a) External modifications: heels, wedges, increases. b) Set the shoe. Gradation chart and numbering systems.
9. Properties footwear according to different population groups.	a) Conventional footwear for adults. b) Children conventional shoes. c) domestic footwear. d) Work Shoes. e) Special Shoes for orthotics. f) Child Special footwear. g) Special shoes for deformed feet or geriatric / peripheral vascular disease. h) Postoperative shoes.



10. Types of shoes.	<ul style="list-style-type: none"> a) Bootie or shoe salon. b) Moccasin. c) Derby or Oxford dress shoe. d) Boots. Booties. e) Slippers, slippers and sandals.
11. Accessories and footwear.	<ul style="list-style-type: none"> a) With and without compression socks. b) Stockings, Pantyhose and graduations. c) Ankles with and without stabilization. d) Pinkis.

Planning

Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Mixed objective/subjective test	A22 B7 C7	2	141	143
Personalized attention		7	0	7

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

Methodologies

Methodologies	Description
Mixed objective/subjective test	Exam with 30 questions and 3 short objective test questions. The review will include questions related to the contents developed in both keynote sessions, and seminars and labs.

Personalized attention

Methodologies	Description
Mixed objective/subjective test	<p>The personalized service will run on a scheduled basis in times of teacher attention to students, to face service; and virtually, through email and other electronic means to enable the virtual platform.</p> <p>The personalized service is designed to solve any issue related to the different methodologies and / or contents of the subject</p>

Assessment

Methodologies	Competencies	Description	Qualification
Mixed objective/subjective test	A22 B7 C7	On the written test score information in the questions provided.	100

Assessment comments



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Basic

- López López D, Losa Iglesias ME, Becerro de Bengoa Vallejo R, Palomo López P, Morales Ponce Á, Soria (2015). Optimal choice of footwear in the elderly population.. *Geriatr Nurs*. 2015 Nov-Dec;36(6):458-61
- López-López D, Expósito-Casabella Y, Losa-Iglesias M, Bengoa-Vallejo RB, Saleta-Canosa JL, Alonso-Ta (2016). Impact of shoe size in a sample of elderly individuals.. *Rev Assoc Med Bras* (1992). 2016 Nov;62(8):789-794
- López D, Ramos J, Alonso F, García R (2012). *Manual de Podología. Conceptos, Organización Psicológica y Práctica Clínica.* . Madrid: CERSA.
- Kerrigan DC, Franz JR, Keenan GS, Dicharry J, Della Croce U, Wilder RP (2009). The effect of running shoes on lower extremity joint torques.. *Journal American Academy of Physical Medicine and Rehabilitation*, 1(12), 1058-63.
- Rodríguez-Sanz D, Becerro-de-Bengoa-Vallejo R, Losa-Iglesias ME, Martínez-Jiménez EM, Muñoz-García D (2018). Effects of Compressive Stockings and Standard Stockings in Skin Temperature and Pressure Pain Threshold in Runners with Functional Ankle Equinus Condition.. *J Clin Med*. 2018 Nov 21;7(11). pii: E454
- Munuera PV (2009). *El primer radio biomecánica y ortopodología.* Santander: Exa Editores S.L.
- Calvo-Lobo C, Ramos García A, Losa Iglesias ME, López-López D, Rodríguez-Sanz D, Romero-Morales C, B (2018). The Relationship between Shoe Fitting and Foot Health of Persons with Down Syndrome: A Case Control Study.. *Int J Environ Res Public Health*. 2018 May 14;15(5). pii: E983
- López D, Cosín J, Alvarez-Calderón O, Cosín E, Barriuso M, López L (2006). Aplicación de un tratamiento ortesiológico en una malformación del miembro inferior: a propósito de un caso. *Revista española de podología*, 17 (4) 170-176
- Roca-Dols A, Losa-Iglesias ME, Sánchez-Gómez R, López-López D, Becerro-de-Bengoa-Vallejo R, Calvo-Lo (2018). Electromyography comparison of the effects of various footwear in the activity patterns of the peroneus longus and brevis muscles. *J Mech Behav Biomed Mater*. 2018 Jun;82:126-132
- Tovaruela-Carrión N, Becerro-de-Bengoa-Vallejo R, Losa-Iglesias ME, Palomo-López P, Munuera-Martínez (2018). Accurately Determining Proper Shoe Size in Patients With Rheumatoid Arthritis. *Rehabil Nurs*. 2018 Sep/Oct;43(5):285-289
- Janeiro JM, Alonso F, Bouzas MC, Calleja J, López L (2002). Orígenes de las Siliconas. *El Peu Vol.* 22 (1) 32-35
- Whitney A, Whitney K. (2006). Padding and Tapping Therapy. In: Levy L, Hetherington V. Editors. *Principles and practice of Podiatric Medicine..* Maryland: Data Trace PC
- Kirby K (1996). Troubleshooting functional foot orthoses. In: Valmassy R. Coordinador. *Clinical biomechanics of the lower extremities.* . Missouri: Mosby
- Olson W (1996). Orthotic materials. In: Valmassy R. Coordinador. *Clinical biomechanics of the lower extremities..* Missouri: Mosby
- Jones L (1996). Prescription writing for functional and accommodative foot orthoses. In: Valmassy R. Coordinador. *Clinical biomechanics of the lower extremities.* . Missouri: Mosby
- Losito J (1996). Impression casting techniques. In: Valmassy R. Coordinador. *Clinical biomechanics of the lower extremities.* . Missouri: Mosby
- Roca-Dols A, Losa-Iglesias ME, Sánchez-Gómez R, Becerro-de-Bengoa-Vallejo R, López-López D, Palomo-L (2018). Electromyography activity of triceps surae and tibialis anterior muscles related to various sports shoes. *J Mech Behav Biomed Mater*. 2018 Oct;86:158-171
- Roca-Dols A, Losa-Iglesias ME, Sánchez-Gómez R, Becerro-de-Bengoa-Vallejo R, López-López D, Rodríguez (2018). Effect of the cushioning running shoes in ground contact time of phases of gait.. *J Mech Behav Biomed Mater*. 2018 Dec;88:196-200
- Palomo-López P, Becerro-de-Bengoa-Vallejo R, Losa-Iglesias ME, Rodríguez-Sanz D, Calvo-Lobo C, López (2017). Footwear used by older people and a history of hyperkeratotic lesions on the foot: A prospective observational study. *Medicine (Baltimore)*. 2017 Apr;96(15):e6623
- Donatelli R, Wooden M (1996). Biomechanical orthotics. In: Donatelli R. Coordinador. *Biomechanics of the foot and ankle.* 2ª ed. . Philadelphia: F.A. Davis Company
- Richie D (2007). Orthotics. In: Di Giovanni C, Greisberg J. Coordinadores. *Foot & Ankle: Core Knowledge in Orthopaedics.* . Philadelphia: Elsevier; 2007.
- Pratt D, Tollafeld D (2007). Una introducción a las terapéuticas mecánicas. En: Turner WA, Merriman LM. *Habilidades clínicas para el tratamiento del pie.* . Madrid: Elsevier



- Prat J (1999). Ortesis plantares y calzado ortopédico a medida. Guía de uso y prescripción de productos ortoprotésicos a medida.. Valencia: Instituto Biomecánico de Valencia
- Prat J (1999). Introducción a la Ortoprotésica. Guía de uso y prescripción de productos ortoprotésicos a medida.. Valencia: Instituto Biomecánico de Valencia
- López-López D, Araújo R, Losa-Iglesias ME, Becerro-de-Bengoa-Vallejo R, Santos A, Rodríguez-Sanz D, (2018). Influence of custom foot orthoses on venous status: A quasi-experimental study. *J Mech Behav Biomed Mater*. 2018 Mar;79:235-238
- Philips JW. (1995). The functional foot orthosis.. New York: Churchill Livingstone
- Vázquez B (2009). Manual de Ortopodología.. Barcelona: Ediciones Especializadas Europeas
- Levy AE, Cortés JM (2003). Ortopodología y Aparato Locomotor. Ortopedia de pie y tobillo.. Barcelona: Masson
- Queralt M^a (2004). Manual de Técnicas en Ortopodología.. Barcelona: Ediciones Especializadas Europeas
- Gordillo-Fernández A (2006). Fabricación a medida de productos sanitarios ortopodológicos en la Comunidad Valenciana.. Valencia: Generalitat Valenciana, Consellería de Sanitat-Agencia Valenciana de Salut
- López D (2011). Podología y Salud: Un análisis de las representaciones sociales de las enfermedades del pie desde una perspectiva psicosocial.. A Coruña: Universidade da Coruña.
- Álvarez-Calderón O, Alonso F, López D, Gómez B, Sánchez R (2008). Análisis del calzado en una población mayor de 60 años. . *Revista Internacional de Ciencias Podológicas*, 2 (1), 19-26.
- Casado-Hernández I, Becerro-de-Bengoa-Vallejo R, López-López D, Gómez-Bernal A, Losa-Iglesias ME (2018). Aluminum foot insoles reduce plantar forefoot pressure and increase foot comfort for motorcyclists. *Prosthet Orthot Int*. 2018 Dec;42(6):606-611
- Sánchez-Sáez JM, Palomo-López P, Becerro-de-Bengoa-Vallejo R, Calvo-Lobo C, Losa-Iglesias ME, López- (). Stability of Three Different Sanitary Shoes on Healthcare Workers: A Cross-Sectional Study. *Int J Environ Res Public Health*. 2019 Jun 16;16(12). pii: E2126
- Casado-Hernández I, Becerro-de-Bengoa-Vallejo R, Losa-Iglesias ME, López-López D, Rodríguez-Sanz D, (2019). Electromyographic Evaluation of the Impacts of Different Insoles in the Activity Patterns of the Lower Limb Muscles during Sport Motorcycling: A Cross-Over Trial. *Sensors (Basel)*. 2019 May 15;19(10). pii: E2249
- Sánchez-Gómez R, Bengoa-Vallejo RB, Losa-Iglesias ME, Calvo-Lobo C, Romero-Morales C, Martínez-Jimén (2019). Heel Height as an Etiology of Hallux Abductus Valgus Development: An electromagnetic Static and Dynamic First Metatarsophalangeal Joint Study.. *Sensors (Basel)*. 2019 Mar 16;19(6). pii: E1328
-



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Recommendations

Subjects that it is recommended to have taken before

Specific Anatomy of the Lower Limb/750G02002
General Podiatry/750G02012
Biomechanics of the Lower Limb/750G02013
Preventive Podiatry/750G02015
Podiatric Orthopedics 1/750G02017
Podiatric Orthopedics 2/750G02018
Podiatric Orthopedics 3/750G02019
Podiatric Pathology 1/750G02021

Subjects that are recommended to be taken simultaneously

Podiatric Pathology 2/750G02022
Physical Podiatry/750G02023
Practicum 1/750G02033

Subjects that continue the syllabus

Sports Podiatry/750G02025
Diabetic Foot/750G02031
Practicum 2/750G02034
Practicum 3/750G02035

Other comments

Para o seguemento das diferentes metodoloxías na aula da materia recoméndase a utilización dun ordenador portátil que dispoña de conexión wifi. Asemade, ca finalidade de conquistar unha contorna inmediata sustentable e cumprir o obxectivo estratéxico; do Plan de Sustentabilidade Medio-ambiental Green Campus FEP, tódolos traballos documentais que se realicen nesta materia serán entregados a través de Moodle, en formato dixital, sen necesidade de imprimilos. De realizarse en papel teranse en conta as seguintes cuestións que aparecen a continuación:- Non se empregarán plásticos.- Realizaráanse impresións a dobre cara.- Empregarase papel reciclado.- Evitaranse imprimir 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.