

**COURSE DATA****Data Subject**

Code	34340
Name	Orthopodiatry II
Cycle	Grade
ECTS Credits	6.0
Academic year	2022 - 2023

Study (s)

Degree	Center	Acad. year	Period
1208 - Degree in Podiatry	Faculty of Nursing and Chiropody	2	Second term

Subject-matter

Degree	Subject-matter	Character
1208 - Degree in Podiatry	12 - Orthopodiatry	Obligatory

Coordination

Name	Department
CAMPOS CAMPOS, JUAN	125 - Nursing
IZQUIERDO RENAU, MARTA	125 - Nursing

SUMMARY

MODULE 3. SUBJECT:

- PODIATRIC PATHOLOGY.
- PHYSICAL AND PHARMACOLOGICAL ORTOPODOLÓGICOS TREATMENTS.PROVIDES THE KNOWLEDGE

MODULE 3:

Pathological processes structural and functional foot wide impact of locomotive. Technical knowledge and development of exploration for making a diagnosis, prognosis and treatment plan design ortopodológico. Knowledge of instruments, equipment and machinery used for the preparation and implementation of treatment ortopodológicos: requirements, design, production and application. Chiropodist's study of shoes and comprehensive changes to chiropodists associated with sports. application of physical methods, electrical and manual. Taping and treatment of pain and inflammation.



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

RECOMMENDATIONS:

Have acquired the skills of raw materials :

HUMAN ANATOMY, BIOCHEMISTRY AND BIOPHYSICS AND PATHOLOGY GENERAL AND COMPULSORY COURSE: ORTOPODOLOGIA (I), BIOMECHANICS AND PATHOMECHANICS PODIATRIST.

OUTCOMES

1208 - Degree in Podiatry

- Know and implement the exploration techniques to give a diagnosis and prognosis, and to design the orthopodologic treatment plan of the lower limb pathology. Bone, ligament and muscle injuries. Pathology of the forefoot and hindfoot. Congenital deformities. Neurological damage. Amputations. Asymmetries.
- Develop the skill and dexterity in the use of instruments, equipment and machinery used for the preparation and implementation of orthosis treatments. General concept of orthopedics. The orthosis workshop. Orthosis therapeutic materials technology. Fundamentals and techniques for foot-leg casts.
- Design, procure and implement plantar supports, digital orthoses, prosthesis and splints using different techniques and materials. Plantar and digital orthotics. Study of footwear and shoe therapy. Prescription of lower extremity orthopedic treatments.

LEARNING OUTCOMES

Get abilities and skills necessary to diagnose, prescribe, do, make and / or develop and evaluate any treatment podiatrists, ortopodológico, quiropodológico, podiatric surgery, physical, drug, preventive and / or education based on the history . acting at all times based on the implementation of the obligations of the profession ethics, the law and criteria normopraxis.

DESCRIPTION OF CONTENTS



1. CHARACTERISTICS OF MATERIALS USED IN ORTOPODOLOGIA

2. METHOD OF APPLICATION OF THE MATERIALS USED IN THE MAKING OF ORTHOTICS.

3.

4.

5. PRACTICAL CONTENT. INTERNSHIP PROGRAM WORKSHOP (L) 30 H:(PRACTICES 1-2-3-4-5-6-7-8-9-10)

PRACTICAL CONTENT. INTERNSHIP PROGRAM WORKSHOP (L) 30 H:

PRACTICE 1: DEVELOPMENT OF PLANT THERMOPLASTIC BRACING. SUBHORTOLEN TYPE

PRACTICE 2: DEVELOPMENT OF PLANT THERMOPLASTIC BRACING. TYPE SUBHORTOLEN

PRACTICE 3: DEVELOPMENT OF PLANT THERMOPLASTIC BRACING. T. POLIPLOPILE-NO

PRACTICE 4: DEVELOPMENT OF PLANT THERMOPLASTIC BRACING. T. POLIPLOPILE-NO

PRACTICE 5: DEVELOPMENT OF PLANT BRACING. ADAPTIVE THERMAL T. MATERIAL FOR RESINS VACUUM TECHNOLOGY.

PRACTICE 6: DEVELOPMENT OF PLANT BRACING. ADAPTIVE THERMAL TYPE MATERIAL FOR RESINS VACUUM TECHNOLOGY.

PRACTICE 7: DEVELOPMENT OF PLANT BRACING. MATERIAL TYPE RESINS TERMOADAPTABLES TECHNICAL ADAPTATION BY DIRECT (TAD).

PRACTICE 8: DEVELOPMENT OF PLANT BRACING. TYPE OF MATERIAL E.V.A.

PRACTICE 9: DEVELOPMENT OF PLANT MATERIAL VARIOUS BRACING: TYPE FIBERGLASS, CORNYLON, ROVALGEL.

Practice 10 TECHNIQUE OF DIRECT ADAPTATION OF ORTHOSIS OF DIFFERENT MATERIALS

: GLASS FIBER, CARBON FIBER, RESINS ...3D

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Theory classes	58,00	100
Laboratory practices	30,00	100
Tutorials	2,00	100
Attendance at events and external activities	2,00	0
Development of group work	2,00	0
Development of individual work	2,00	0
Study and independent work	40,00	0
Readings supplementary material	2,00	0
Preparation of evaluation activities	2,00	0
Preparing lectures	7,00	0
Preparation of practical classes and problem	2,00	0
Resolution of case studies	1,00	0
TOTAL	150,00	

TEACHING METHODOLOGY**English version is not available****EVALUATION****English version is not available****REFERENCES****Basic**

- MICHAUD TC (1997). FOOT ORTHOSES AND OTHER FORMS OF CONSERVATIVE FOOT CARE. ORTESIS PLANTARES Y OTRAS FORMAS DE TRATAMIENTO CONSERVADOR (2ª ed.) Michaud, TC, Baltimore.
- KIRBY KA. Foot and lower extremity biomechanics: A ten year collection of precision intricast newsletters. Precision Intrinsic, Inc, Payson, Arizona; 1997.
KIRBY KA. Foot and lower extremity biomechanics I: precision intricast newsletters, 1997-2002. Precision Intrinsic, Inc., Payson, Arizona; 2002.
KIRBY KA. Foot and lower extremity biomechanics II: precision intricast newsletters, 2002-2008. Precision Intrinsic, Inc, Payson, Arizona; 2009
KIRBY KA biomecanica del pie y la extremidad inferior ,volIV ARTICULOS DE REVISION INTRICAST



2011.2018 IBN .9780965730983.eD autor editor

- El primer radio : biomecánica y ortopodología
Munuera Martínez, Pedro Vicente
- Ortopedia infantil
Malagón Castro, Valentín; Arango Sanín, Roberto coautor
Buenos Aires etc. Jims; 1987

Additional

- Tratamiento ortésico-protésico del pie
Baumgartner, René director;Stinus, Hartmut director
- Estudio clínico del pie y terapéutica por ortesis
Lavigne, Alain; Noviel, Daniel coautor
Barcelona Masson; 1994
- Ortopodología y aparato locomotor : ortopedia de pie y tobillo
Levy Benasuly, Ana Esther; Cortés Barragán, José Manuel, coaut.
Barcelona : Masson; 2003
- Toma de moldes en descarga con venda de escayola
Munuera Martínez, Pedro Vicente; Universidad de Sevilla. Secretariado de Recursos Audiovisuales y Nuevas Tecnologías, ed.
Sevilla : Universidad de Sevilla, Secretariado de Recursos Audiovisuales y Nuevas Tecnologías; 2013
- VÍDEO
Exploración biomecánica básica del pie y la extremidad inferior
Munuera Martínez, Pedro Vicente; Universidad de Sevilla. Secretariado de Recursos Audiovisuales y Nuevas Tecnologías, ed.
Sevilla : Universidad de Sevilla, Secretariado de Recursos Audiovisuales y Nuevas Tecnologías; 2013
- 4

VÍDEO

Toma de moldes en descarga con venda de escayola

Munuera Martínez, Pedro Vicente; Universidad de Sevilla. Secretariado de Recursos Audiovisuales y Nuevas Tecnologías, ed.

Sevilla : Universidad de Sevilla, Secretariado de Recursos Audiovisuales y Nuevas Tecnologías; 2013

- VÍDEO

Toma de moldes en carga con espuma fenólica

Munuera Martínez, Pedro Vicente ; Universidad de Sevilla. Secretariado de Recursos Audiovisuales y Nuevas Tecnologías

Sevilla : Universidad de Sevilla, Secretariado de Recursos Audiovisuales y Nuevas Tecnologías; 2013

- Taxonomía triplanar de las deformidades del pie y de la extremidad inferior
Whitney, Alan K.
Barcelona : Editorial Base; 2016



- Ortopodología y aparato locomotor : ortopedia de pie y tobillo
Levy Benasuly, Ana Esther; Cortés Barragán, José Manuel, coaut.
Barcelona : Masson; 2003
- Desalineaciones torsionales de las extremidades inferiores : implicaciones clinicopatológicas
Ballester Soleda, Jorge director; Sociedad Espanola de Cirugía Ortopédica y Traumatología
Barcelona etc. Masson; 2001
- Ortopodología aplicada : experiencias
Rodríguez Valverde, Evaristo
Barcelona Podospecial; 1989
- Manual de ortopodología
Barcelona : Ediciones Especializadas Europeas; 2009
- Desalineaciones torsionales de las extremidades inferiores : implicaciones clinicopatológicas
Ballester Soleda, Jorge director; Sociedad Espanola de Cirugía Ortopédica y Traumatología
Barcelona etc. Masson; 2001
- - Revista Española de Podología: <https://www.revesppod.com/?AspxAutoDetectCookieSupport=1>
- - Revista Europea de Podología: <https://revistas.udc.es/index.php/EJP/index>
- - Revista de Internacional de Ciencias Podológicas: <https://revistas.ucm.es/index.php/RICP>
- - Journal of the American Podiatric Medical Association: <https://meridian.allenpress.com/japma>
- - Journal of the Foot and Ankle Research: <https://jfootankleres.biomedcentral.com/>
- - Current Pedorthics: <https://www.pedorthics.org/page/CurrentPedorthics>
- - Podiatry Today : <https://www.podiatrytoday.com/archive>
- - American Podiatric Medical Association: <https://www.apma.org/>
- - The American College of Foot and Ankle Orthopedics and Medicine: <https://www.acfaom.org/>
- - American Academy of Orthopaedic Surgeons: <https://www.aaos.org/>
- - American Orthopaedic Society for Sport Medecine: <https://www.sportsmed.org/aossmimis>
- MUNUERA MARTÍNEZ PV.El primer radio: Biomecánica y Ortopodología. 2ª ed. Cádiz: Exa; 2012
- TURNER WA., MERRIMAN LM, directores. Habilidades clínicas para el tratamiento del pie. 2ª ed. Madrid: Elsevier; 2007.