

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

Code	34341
Name	Orthopodiatry III
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	3	First term

Subject-matter

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

Coordination

Name	Department
ALCAHUZ GRIÑAN, MARIA MONTSERRAT	125 - Nursing
CAMPOS CAMPOS, JUAN	125 - Nursing
NIETO GIL, MARIA PILAR	125 - Nursing

SUMMARY

17.18

CONTEXT WITHIN THE DEGREE:

MODULE 3. SUBJECT: PODIATRIC PATHOLOGY, PHYSICAL AND PHARMACOLOGICAL ORTOPODOLÓGICOS TREATMENTS. PROVIDES THE KNOWLEDGE

Matter of ORTOPODOLOGIA consists of 18 ECTS and includes 3 subjects: ORTOPODLOGIA I, that is offered in the first quarter of 2nd course, ORTOPODOLOGIA II is offered in the 2nd quarter of 2nd course and ORTOPODLOGIA III appropriate to 1 term of 3^o course.



The course aims to deepen Ortopodología III and complement the knowledge acquired by students after studying Ortopodología I and II.

The subject has a mixed theoretical-experimental, so to unite the theoretical practical content, such as resolution of clinical cases, and the realization of practical laboratory work, which will exercise the concepts and techniques.

The overall objective of the course is to introduce students / a in the therapeutic area of Ortopodología, providing basic training in theoretical knowledge and practical skills in order to initiate the student into the professional skills of the prescription, design and procurement orthotics and prosthetic foot and lower limb rest, most often used.

Therefore, both program content and teaching methodology used are designed according to logical criteria and depending on the complexity of learning to achieve. Thus we want the students interrelate the knowledge acquired in this course with other of the degree with which they share responsibilities and objectives.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

17.18

Character training given mandatory requirements are required to enter initial studies degree.

RECOMMENDATIONS: have acquired the skills of raw materials: HUMAN ANATOMY, BIOCHEMISTRY AND BIOPHYSICS AND PATHOLOGY GENERAL AND COMPULSORY COURSE: ORTOPODOLOGIA (I), (II) BIOMECHANICS AND PATHOMECHANICS PODIATRIST.

OUTCOMES

1208 - Degree in Podiatry

- 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

The student will be able to:

- Select from the overall clinical history, the information needed to plantar treatment orthosis.
- Design and implement treatment plan orthosis for each of the morphological and functional alterations of the foot.
- List and modify the biomechanical behavior of the lower extremity with plantar orthotic Parts application.
- To promote foot health through corrective or palliative ortopodològics methods suitable for each stage of life.
- Transmit information to patients and/ or family regarding the proposed treatment plan, giving their advantages and disadvantages.
- Select according to the existing pathology, materials and techniques to apply, to ensure greater effectiveness of treatment.
- Identify the most common errors that can occur in the design and manufacture in a plant stand.
- Select the aid of walking according to their properties.
- Develop the skills to make different types' of plant support.
- Develop the skills to make different items (item supinator average pronator item total, total lateral containment element, medial middle element, a subtle, rear outer supinator, brachioradialis inside hind and the stabilizing element above), comprising support planting.
- Develop the skills to make any type of silicone, depending on the pathology of the foot.
- Develop the skill and dexterity in the use of instruments, equipment and machinery used for the preparation and implementation of Ortopodològic treatments. General concept of orthopedics. The worksh orthosis. Ortopodològic ortherautheutic materials technology.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	58,00	100
Laboratory practices	26,00	100
Classroom practices	4,00	100
Tutorials	2,00	100
Attendance at events and external activities	2,00	0
Development of group work	7,00	0
Development of individual work	2,00	0
Study and independent work	23,00	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	10,00	0
Resolution of case studies	5,00	0



TOTAL	150,00
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TEACHING METHODOLOGY

English version is not available

EVALUATION

English version is not available

REFERENCES

Basic

- Alcántara E, Ferrandis R, Forner A, García Belenguer A. Guía de recomendaciones para el diseño, selección y uso del calzado para personas mayores. Madrid: Ministerio de Asuntos Sociales. Instituto Nacional de Servicios Sociales; 1998.
- Berthe A, Dotte P. Les ambulations et les aides de marche en traumatologie. Paris: Masson; 1987.
- Burger-Wagner A. Rééducation en orthopédie pédiatrique. Paris: Masson; 1991.

Additional

- Kevin A. Kirby. Foot and lower extremity biomechanics. (A Ten Year Collection of Precision Intricast Newsletters). Payson: Precision Intricast; 1997-2002.
- Ximeno L. Actualizaciones en técnica ortopédica. Barcelona: Masson; 2001.
- Lavigne A, Noviel D. Etude clinique du pied et thérapeutique par orthèse. Paris: Masson; 1992.
- Lelievre J, Lelièvre J.F. Patología del pie. 4ª ed. Barcelona: Toray-Masson; 1982.
- Levy AE, Cortes JM. Ortopodología y aparato locomotor. Barcelona: Masson; 2003.
- McRae R. Exploración clínica ortopédica. 5ªed. Madrid, Barcelona: Elsevier; 2005.
- Moreno de la Fuente JL. Podología general y biomecánica. 2ªed. Barcelona: Masson; 2009.
- Pérez Casas A, Bengoechea González ME. Anatomía funcional del aparato locomotor: Teoría de bases anatómicas y biomecánicas de la traumatología y ortopedia. 10ª ed. Madrid: Graficas Summa; 2001.
- Philips JW. The functional foot orthosis. Edinburg: Churxhill Lingstone; 1995.
- Rodríguez E. Ortopodología aplicada: experiencias. Barcelona: Podoespecial; 1979.
- R. L.Valmassy. Clinical biomechanics of the lower extremities. EE.UU; Mosby-Year Book; 1996.
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- Valenti V. ortesis del pie: tratamiento ortésico de las alteraciones biomecánicas de la marcha. Buenos Aires: Medica Panamericana; 1987.
- Viladot Pericé R. Ortesis y prótesis del aparato locomotor. Vol. 1 y 2.1. Barcelona: Masson; 1985-1992.
- Viladot Pericé R. Patología del antepié. 4ªed. Barcelona: Springer Ibérica; 2001.



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- Michaud TC. Foot orthoses and other forms of conservative foot care. 2ª ed. Williams & Wilkins: Baltimore; 1995.
- Pérez Lahuerta C. Ortopedia básica del pie. Elx: Cooperativa Gráfica Fotoimprés; 1984.
- Salter RB. Trastornos y lesiones del sistema musculoesquelético: introducción a la ortopedia, fracturas y lesiones. 3ª ed. Barcelona: Masson; 2000.
- Vera P, Hoyos J. Biomecánica del aparato locomotor. Madrid: Instituto de Biomecánica de Valencia; 1985.

REVISTAS CIENTÍFICAS DE PODOLOGÍA

En lengua española:

- El Preu. Revista de Podología. Colegio Oficial de Podólogos de Cataluña.
- Revista de Biomecánica. Instituto de Biomecánica de Valencia.
- Revista Podología Argentina.

Internacionales:

- Australasian Journal of Podiatric Medicine.
- Clinics in Podiatric Medicine and Surgery.
- Foot and Ankle.
- Foot and Ankle Clinics.
- Journal of Biomechanics.
- Journal of Foot & Ankle Surgery.
- Journal of Prosthetics and Orthotics.
- Journal of the American Podiatric Medical Association.
- Podiatry Today.
- Claustre J, Simón L. Pathologie des orteils. París: Masson; 1985.
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