



1. General information

Course: PEDIATRIC PATHOLOGY

Type: CORE COURSE

Degree: 382 - UNDERGRADUATE DEGREE IN OCCUPATIONAL THERAPY

Center: 16 - FACULTY OF SCIENCES OF THE HEALTH OF TALAVERA

Year: 3

Main language: Spanish

Use of additional
languages:

Web site:

Code: 64309

ECTS credits: 6

Academic year: 2022-23

Group(s): 60

Duration: C2

Second language: English

English Friendly: Y

Bilingual: N

Lecturer: BLANCA MORO PERALTA - Group(s): 60

Building/Office	Department	Phone number	Email	Office hours
Despacho 1.14	CIENCIAS MÉDICAS	925721010	blanca.moro@uclm.es	Monday 15 - 18 hours Tuesday 15 - 18 hours

2. Pre-Requisites

It is highly advisable to have passed the subject of Anatomophysiology because it is necessary to have acquired knowledge of the morphology and functioning of the human organism in order to be able to understand the anomalies of the structure and functioning of the body.

3. Justification in the curriculum, relation to other subjects and to the profession

At the end of the course, the student will have acquired knowledge related to the physiopathological, neurological, rheumatological and traumatological human pathophysiological processes of adulthood, being able to identify problems and clinical, preventive and therapeutic aspects.

Acquire medical-surgical knowledge applicable to human beings, as well as the after-effects that different diseases can leave on people, affecting their functionality. You will acquire skills that will enable you to understand the physiopathology and aetiopathogenesis of the different human pathologies in order to be able to apply occupational therapy treatment to them.

4. Degree competences achieved in this course

Course competences

Code	Description
A02	To know the national and international health organizations, as well as the environments and conditioning factors of the different health systems.
A03	Obtain and use epidemiological data and assess trends and risks to inform health decision-making.
A04	Recognise their own limitations and the need to maintain and update their professional competence, with particular emphasis on autonomous learning of new knowledge and skills and on motivation for quality.
A05	To know, critically evaluate and know how to use information sources to obtain, organize, interpret and communicate scientific, health, social and health information, preserving the confidentiality of the data.
B07	Understand and recognize the interrelationship between the concepts of well-being, health, meaningful occupation, dignity and participation.
B09	Recognize health determinants in the population, multiprofessional resources and equipment, and health prevention, maintenance and promotion actions, both at the individual and community levels.
CB01	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB02	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB03	Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues.
CB04	Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences.
CB05	Have developed the necessary learning abilities to carry on studying autonomously
D19	Acquire and develop skills, abilities and practical experience in the socio-health and community context.
D20	Acquire basic knowledge of management and improvement of the quality of Occupational Therapy services.
D21	To develop professional practice with respect to other professionals, by acquiring teamwork skills.
E22	Actively listen, obtain and synthesize relevant information about the occupational problems and demands of individuals and populations and understand the content of this information.
E23	Establish assertive interpersonal communication with all relevant interlocutors during the Occupational Therapy process.
E25	Transmitting oral and written information to both specialized and non-specialized audiences.
G06	Encourage user and family participation in the recovery process.
G11	To know, evaluate, analyze, develop and participate in health education and promotion programs within the scope of Occupational Therapy to prevent occupational dysfunctions in general and subsequent to medical, surgical and psychiatric conditions and social maladjustment.
G12	To know, develop and implement management plans and health and social and health administration applied to the provision of services and improvement of the quality of Occupational Therapy.
G14	Explain the relationship between occupational performance, health and well-being.
G16	Work in partnership with individuals and groups to actively participate in the occupation through health promotion, prevention,

G17	rehabilitation and treatment. Appropriately select, modify and apply theories, practical intervention models and methods to meet occupational and health needs of individuals and populations.
G20	Adapt and apply the Occupational Therapy process in close collaboration with individuals and the population, building capacity to intervene in advocacy, prevention and protection projects with a community and public health focus.
G21	Appreciate and respect individual differences, cultural beliefs, customs and their influence on occupation and participation.
G28	Engage in a continuous process of evaluation and quality improvement in the delivery of Occupational Therapy services, involve people, patients and users where appropriate and communicate the results to stakeholders.

5. Objectives or Learning Outcomes

Course learning outcomes

Description

Tour of the different pharmacological principles used in the treatment of different diseases.

Knowledge of human nature, the interrelationship between health and disease.

Knowledge of the factors and mechanisms that cause diseases.

The student must show knowledge and mastery of the competencies related to it.

The scientific bases that explain the effects of drugs and their behavior on humans.

Many nosological processes determine some degree or form of disability that will require further intervention of occupational therapy.

This subject aims for students to acquire knowledge of the etiopathogenic and pathological foundations of the main nosological entities that constitute human pathology in the different systems and organs of the child human body. Know the meaning of the different diseases, know the techniques of diagnosis and treatment of the different pathologies.

The student will acquire surgical medical knowledge applicable to the human being in childhood that will train him to apply occupational therapy treatments in the different pathologies.

Acquisition of medical vocabulary.

Know the evolutionary course of diseases. The family as part of the patient.

Familiarize students with the most common medical terminology for their future professional activity.

Know the tendency to homeostasis of the human organism, to maintain the balance of the internal environment, the alteration of said balance and the onset of the disease.

Know the methods of exploration and diagnosis of the different organic systems.

Know the medical and surgical treatments of the different diseases.

Know the main nosological entities of the different devices of the children's body.

Acquire skills for interpreting clinical reports.

This subject aims to develop skills that allow students to understand the knowledge so that they can subsequently apply occupational therapy treatment in the different processes that constitute motivation to the treatment of occupational therapy such as processes, sequelae of diseases that determine some degree or form of disability.

Learn how to interpret the reports of different healthcare professionals.

Tour of the different pharmacological principles used in the treatment of different pediatric diseases.

This subject aims to develop skills that allow students to understand and apply basic knowledge of pediatric diseases.

Develop constructive attitudes of cooperation, coordination and responsibility in multidisciplinary work.

Encourage creativity and the search for solutions in the field of pathology.

The student will understand and acquire knowledge related to all the human pathological processes of childhood identifying clinical, preventive and therapeutic problems and aspects in both health and disease.

Support in the maintenance of health, such as health care and the promotion of health education.

It is also important to acquire a sufficient degree of training to achieve known aspects of the various diseases that constitute motivation to the treatment of occupational therapy.

Additional outcomes

This course aims to develop skills that allow students to understand and apply basic knowledge of general pathology, medical-surgical pathology of the nervous system, connective tissue and joint diseases. This course aims for students to acquire knowledge of the etiopathogenic and pathophysiological foundations of the main nosological entities that constitute human pathology in the different systems and organs of the adult human body. To know the meaning of the different diseases, to know the techniques of diagnosis and treatment of the different pathologies. This subject aims to develop competencies that allow students to understand the knowledge to subsequently be able to apply occupational therapy treatment in the different processes that constitute motivation for occupational therapy treatment as processes, sequelae of diseases that determine some degree or form of disability. In addition, to learn about the different neurological illnesses that are most relevant to occupational therapy. To familiarise students with the most common medical terminology for their future professional activity

Acquisition of medical vocabulary. Learning to interpret the reports of the different health professionals.

6. Units / Contents

Unit 1: Neurological paediatrics

Unit 1.1 Congenital malformations of the SN

Unit 1.2 Hypoxic ischaemic alterations. OCI

Unit 1.3 Developmental Disorders

Unit 1.4 Genetic diseases

Unit 2: Infectious diseases

Unit 3: Respiratory diseases

Unit 4: Ophthalmological diseases

Unit 5: Cardiovascular diseases

Unit 6: Rheumatic diseases of childhood

Unit 7: Bone diseases of childhood

Unit 8: Metabolic diseases

Unit 9: Otolaryngological diseases

Unit 10: Renal diseases of childhood

Unit 11: Muscular diseases. Muscular dystrophies

Unit 12: Otolaryngological disorders

Unit 13: Ophthalmological disorders

Unit 14: Psychiatric disorders of childhood

Unit 15: Paediatric surgery

Unit 16: Endocrinological diseases and diseases of the digestive system

7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E23	1.12	28	Y	N	
Group tutoring sessions [ON-SITE]	Cooperative / Collaborative Learning	A02 A04 CB04 CB05	3.6	90	Y	Y	
Final test [ON-SITE]	Assessment tests	CB04	0.08	2	Y	Y	
Individual tutoring sessions [ON-SITE]	Problem solving and exercises	CB04	0.6	15	Y	N	
Workshops or seminars [ON-SITE]	Project/Problem Based Learning (PBL)	E22 E23	0.6	15	Y	N	
Total:			6	150			
Total credits of in-class work: 6			Total class time hours: 150				
Total credits of out of class work: 0			Total hours of out of class work: 0				

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System

Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Final test	70.00%	70.00%	
Projects	30.00%	30.00%	
Total:	100.00%	100.00%	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates

Not related to the syllabus/contents	
Hours	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	28
Group tutoring sessions [PRESENCIAL][Cooperative / Collaborative Learning]	90
Final test [PRESENCIAL][Assessment tests]	2
Individual tutoring sessions [PRESENCIAL][Problem solving and exercises]	15
Workshops or seminars [PRESENCIAL][Project/Problem Based Learning (PBL)]	15
General comments about the planning: The time distribution of the different training activities during the course will be adapted to the needs of the students and may vary according to their level of achievement and the criteria of the teaching staff involved in the teaching of the subject. The official academic calendar will be followed at all times.	
Unit 1 (de 16): Neurological paediatrics	
Teaching period: first four-month period	
Unit 2 (de 16): Infectious diseases	
Teaching period: first four-month period	
Unit 3 (de 16): Respiratory diseases	
Teaching period: first four-month period	
Unit 4 (de 16): Ophthalmological diseases	
Teaching period: first four-month period	
Unit 5 (de 16): Cardiovascular diseases	
Teaching period: first four-month period	
Unit 6 (de 16): Rheumatic diseases of childhood	
Teaching period: first four-month period	
Unit 7 (de 16): Bone diseases of childhood	
Teaching period: SECOND QUARTER	
Unit 8 (de 16): Metabolic diseases	
Teaching period: SECOND QUARTER	
Unit 9 (de 16): Otolaryngological diseases	
Teaching period: SECOND QUARTER	
Unit 10 (de 16): Renal diseases of childhood	
Teaching period: SECOND QUARTER	
Unit 11 (de 16): Muscular diseases. Muscular dystrophies	
Teaching period: SECOND QUARTER	
Unit 12 (de 16): Otolaryngological disorders	

Teaching period: SECOND QUARTER	
Unit 13 (de 16): Ophthalmological disorders	
Teaching period: SECOND QUARTER	
Unit 14 (de 16): Psychiatric disorders of childhood	
Teaching period: SECOND QUARTER	
Unit 15 (de 16): Paediatric surgery	
Teaching period: SECOND QUARTER	
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	28
Group tutoring sessions [PRESENCIAL][Cooperative / Collaborative Learning]	90
Final test [PRESENCIAL][Assessment tests]	2
Individual tutoring sessions [PRESENCIAL][Problem solving and exercises]	15
Workshops or seminars [PRESENCIAL][Project/Problem Based Learning (PBL)]	15
Total horas: 150	

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
Caceres Palou, Fernandez Sabate, Gomez Castresana Bachiller, Perez Caballer, Rodriguez Merchan	Manual Secot de cirugía ortopédica y traumatología	Medica Panamericana	Madrid	84-7903-758-X	2004	
Fitzgerald, Kaufer, Markani	Ortopedia	Panamericana	Madrid	84-7903-796	2004	
Micheli, Nogues, Asconapé, Fernandez Pardal, Biller	Tratado de Neurología Clínica	Medica Panamericana	Buenos Aires	978-84- 7903-589-7	2002	
Moro Peralta	Manual de Patología para Terapeutas Ocupacionales	EAE	Berlin	978-3-659-01700-1	2012	
Prez Tamayo, Lopez Corelle	Principios de Patología	Medica Panamericana	Mexico	978-968-7988-86-3	2007	
Rowland, Pedley	Neurologia de Merrit	Wolters Kluwer - Lippincott	U.S.A.	978-07817-9186-1	2010	
Sociedad Española de Reumatología	Manual SER de enfermedades reumáticas	Panamericana	Madrid	978-84-9835-105-7	2008	
Toro Gomez, Yepes Sans, Palacios Sanchez	Neurología	Manual Moderno Colombia		978-958-9446-23-2	2010	