

**Nursing Care for Children and Families with Child Health Problems**

Code: 101773  
ECTS Credits: 6

Degree	Type	Year	Semester
2500891 Nursing	OT	4	0

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

## Contact

Name: Raquel Coronado Robles  
Email: Raquel.Coronado@uab.cat

## Use of Languages

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: Yes  
Some groups entirely in Spanish: No

## Teachers

Carolina Watson Badia

## Prerequisites

There are no official prerequisites.

However, it would be recommended to review the competences worked in nursing subjects of the boy, the teenager and the woman.

## Objectives and Contextualisation

The subject is programmed in the fourth year of the Nursing Degree and is part of the group of subjects of the Nursing Degree mention Childhood and health, of optional training. It constitutes, therefore, part of the scientific basis necessary for the formation of the nursing graduate.

### GENERAL OBJECTIVES

The study of the child from the moment of birth until adolescence, with emphasis on the development of the child and the adolescent in situations of illness.

To apply the main nursing tools that contribute to the improvement of the nurse practice in specialized care.

### SPECIFIC OBJECTIVES

To plan the care process for the people attended, following one of the models of human needs. CRITERION: It must apply the stages of the care process.

To describe different models of health education most used in the field of health. CRITERION: It must be necessary to identify the objective that you want to achieve from the different models.

To select the most appropriate care plans that allow to intervene on the stress of the child and the family in the face of illness and hospitalization. CRITERION: It must be based on evidence because they are considered the most appropriate.

To analyze the concept of palliative care from a nursing model. CRITERION: It is necessary to identify the actions that help to guarantee comfort, well-being and quality of life.

To analyze the interventions proposed in the care plan. CRITERION: You must justify your membership with the selected care model.

To select the most appropriate interventions to address the health problems that children from 0 to 18 years old present. CRITERION: It is necessary to justify with evidence the nursing interventions in each of them.

To analyze care about the stress of the child and the family in the face of illness and hospitalization. CRITERION: It is necessary to identify and justify with evidence the actions that guarantee the stabilization of the situation and the prevention of complications.

The subject is programmed in the fourth year of the Degree in Nursing and forms part of the group of subjects of the mention Childhood and Health, of optional training. It is, therefore, part of the scientific basis necessary for the training of the nursing graduate.

## **Competences**

- Base nursing interventions on scientific evidence and the available media.
- Express in a fluent, coherent and appropriate manner the established rules, both orally and in writing.
- Identify, analyse and choose the most suitable option to respond efficiently and effectively to problems in the professional context.
- Offer technical and professional health care and that this adequate for the health needs of the person being attended, in accordance with the current state of scientific knowledge at any time and levels of quality and safety established under the applicable legal and deontological rules.
- Plan and carry out nursing care aimed at people, families and groups orientated to health results and evaluate the impact of them using clinical and care practice guides describing the processes for the diagnosis, treatment or cure of a health problem.

## **Learning Outcomes**

1. Applying the nursing methodology in professional care as health needs child.
2. Defend nursing actions in infant health in original articles and/or expert contributions.
3. Describe the nursing actions to accompany the family as a basic unit of infant health.
4. Express in a fluent, coherent and appropriate manner the established rules, both orally and in writing.
5. Identify, analyze and make the right choice paragraphs to address problems professionally, efficiently and effectively.
6. Plan nursing care aimed at infancy and the family.

## **Content**

### **CONTENTS**

#### **Theory**

- Nursing care in the newborn.
- Carry out nursing care for the premature and high-risk newborn and their family.
- Care for the hospitalized child and his family.
- Communication and emotional support to the hospitalized child and his family.
- Respiratory pathology in the child.
- Digestive pathology in the child.
- Nephrological pathology in the child.

- Neurological pathology in the child.
- Pediatric surgery Oncohematological pathology in children and adolescents.
- Pain care in pediatrics.
- Pediatric palliative care.

#### Practical skills

- NIDCAP (Neonatal Individualized Developmental Care and Assessment Program).
- Circuit techniques.
- Gastric button; gastrostomy tube; CPR, CPAP & BPAP; central catheters; PL in the newborn.
- Communication and emotional management in the care of the child and his family.
- Administration of medication.

#### Clinical cases

- Hyaline membrane disease
- Necrotizing enterocolitis
- Congenital heart disease
- Heart transplant
- Bacterial meningitis
- Chronic renal insufficiency
- Abdominal withdrawal syndrome
- Acute bronchiolitis in the infant

## Methodology

Expositive classes in order to explain the most current evidence, clarify doubts and relate concepts where students have a greater difficulty.

Group presentations: presentation and presentation of a clinical situation of pediatric nursing in the field of the childhood, adolescence in the context of of childhood and adolescence in hospitalization for critical illness, newborns and other health problems prevalent in childhood and / or in a clinical situation of pediatric nursing.

Laboratory practices: in order to carry out certain procedures and apply the necessary nursing care to care for children admitted to pediatric units.

Individualized tutorials: specific tutorials can be specified by contacting them by email with the teacher via email.

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
LABORATORY PRACTICES (PLAB)	15	0.6	1, 3, 6
THEORY	36	1.44	1, 2, 3, 4, 5, 6
Type: Autonomous			
PREPARATION OF WRITTEN WORKS/SELF STUDY/READING ARTICLES/REPORTS OF INTEREST	91	3.64	1, 2, 3, 4, 5, 6

## Assessment

According to the modifications approved by agreement of the Governing Council of July 12, 2017 in Title IV of the academic regulations RD 1393/2007:

The evaluation system is organized into 3 evaluative activities distributed through the course, none of them has a weigh over than 50% of the final grade:

Completion and presentation of a case studies of pediatric nursing (30%).

This will be done in a group. The evaluation process will be throughout of 2 formative assessment rubrics: a written presentation rubric and one rubric of oral defense of written work.

The clinical case will be presented by 2 students from each group and the rest of the group's students they will answer the questions asked by the rest of the class students and the teacher.

Students will have available the formative assessment rubrics of the subject in the Moodle before to be assigned the work groups and the clinical cases.

Written evaluation (50%)

Purpose: This test allows us to assess the ability to apply knowledge and skills in caring for children hospitalized, organize and integrate ideas and information and develop a discourse of their own.

Type of test:

- questions test (selection items).

This test requires ability to develop a discourse of its own and not only know how to apply information.

Laboratory practices (PLABs) (20%).

Preliminary preparation, assistance, attitude and participation of students, as well as preparation of support annotations will be evaluated. It will be evaluated through a formative evaluation rubrics.

Students will have available the rubric of the subject in the Moodle before starting the curs.

MARKS:

Merit (EX). The student has achieved the competencies evaluated and carried out independently doing its justifications with evidences.

Good (N). The student has attained the competencies evaluated and carries out them autonomously with some evidences.

Pass (AP). The student can achieve supervised evaluation skills.

Fail (SS). The student has not achieved the competencies evaluated.

1.- The requirement to obtain the final grade through continuous evaluation is to have been submitted to all the parts evaluated and have them passed by a mark of 5 or higher.

2.- It will be considered not evaluable through continuous evaluation to the student who has been missing more than one laboratory practice. To facilitate assistance to the PLABs, a document of group exchange of laboratory practices (exchange with a colleague from another group) and one spot laboratory practice permute document will be provided.

3. To participate in the recovery process the student must have been previously evaluated in a set of activities whose weight equals to a minimum of two thirds of the total rating of the subject. To participate in the recovery process the student must have obtained a qualification minimum of 3.5 in the average of the subject. The PLABs, because of their eminently practical nature, do not they are recoverable.

4.- The final grade of the subject will be the weighted average of the different parts that configure it.

Grade F = Fail

Grade E = Pass

Grade B = Good

Grade A = Merit

Grade A+ = Honour distinction (will be awarded to those students who have obtained the best grades totals greater than or equal to 9, within the cup of 5% of students enrolled in the subject).

5.- The student has the right to review the evaluation tests. For this purpose, the revision dates will be specified once the provisional qualifications have been transferred and published to the academic record of students. The revision data will be published in Moodle in the following week in the publication of qualifications provisional. A link to Doodle will be provided to the students to schedule the time of the review.

6.- The valuation of special and particular situations will be valued by a set evaluation committee to that effect.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Attendance and active participation in class and seminars	20%	1	0.04	1, 2, 3, 5, 6
Oral assessments: structured test/Evaluation through case studies and problem solving	30%	4	0.16	1, 2, 3, 4, 5, 6
Written evaluation: objective test	50%	3	0.12	1, 2, 3, 4, 5, 6

## Bibliography

Online:

Alfandre D. Against-Medical-Advice Discharges From the Hospital: Optimizing Prevention and Management to Promote High Quality, Patient-Centered Care. [ebook]. Springer; 2018. DOI:

<https://doi-org.are.uab.cat/10.1007/978-3-319-75130-6>

Anbar RD .Functional Symptoms in Pediatric Disease. A Clinical Guide. [ebook]. Springer; 2014. DOI:

<https://doi-org.are.uab.cat/10.1007/978-1-4899-8074-8>

Buonocore G, Bracci R, Weindling M. Neonatology: A Practical Approach to Neonatal Diseases. 1st ed.

[ebook]. Springer; 2012. DOI: <https://doi-org.are.uab.cat/10.1007/978-88-470-1405-3>

Connelly RA, Teri Turner T. Health Literacy and Child Health Outcomes: Promoting Effective Health Communication Strategies to Improve Quality of Care. [ebook]. Springer; 2017. DOI:

<https://doi-org.are.uab.cat/10.1007/978-3-319-50799-6>

Coyne I, Carter B. Being Participatory: Researching with Children and Young People: Co-constructing

Knowledge Using Creative Techniques. 1st ed. [ebook]. Springer; 2018. DOI:

<https://doi-org.are.uab.cat/10.1007/978-3-319-71228-4>

Friedrichsdorf SJ. Pediatric Palliative Care. 1st ed. [ebook]. MDPI; 2019. Open acces:

<https://doi.org/10.3390/books978-3-03897-351-5>

Hollar D. Handbook of Children with Special Health Care Needs. [ebook]. Springer; 2012. DOI:

<https://doi-org.are.uab.cat/10.1007/978-1-4614-2335-5>

Lissauer T, Fanaroff AA. Neonatología: Lo esencial de un vistazo. 2n ed. [ebook]. Editorial Medica Panamericana; 2014. Disponible en:

<https://www-medicapanamericana-com.are.uab.cat/VisorEbookV2/Ebook/9786079356309#>

Martin GI, Rosenfeld W. Common Problems in the Newborn Nursery. [ebook]. Springer; 2019. DOI:

<https://doi-org.are.uab.cat/10.1007/978-3-319-95672-5>

Mastropietro CV, Valentine KM. PediatricCritical Care. Current Controversies. [ebook]. Springer; 2019. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-96499-7>

Moro M, Málaga S, Madero L. Cruz. Asociación Española de Pediatría. Tratado de Pediatría. 11 ed. [ebook]. Editorial Medica Panamericana; 2014. Disponible en: [www.medicapanamericana.com/VisorEbookV2/Ebook/9788498357288](http://www.medicapanamericana.com/VisorEbookV2/Ebook/9788498357288)

Olsen PR, Smith S. Nursing Adolescents and Young Adults with Cancer: Developing Knowledge, Competence and Best Practice. 1st ed. [ebook]. Springer; 2018. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-73555-9>

Premji SS. Late Preterm Infants : A Guide for Nurses, Midwives, Clinicians and Allied Health Professionals. [ebook]. Springer; 2019. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-94352-7>

Saadoon AQ. Essential Clinical Skills in Pediatrics. A Practical Guide to History Taking and Clinical Examination. [ebook]. Springer; 2018. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-92426-7>

TreadwellJ, Perez R, Stubbs D, McAllister JW, Stern S, Buzi R. Case Management and Care Coordination. [ebook]. Springer; 2015. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-07224-1>

Sahib El-Radhi A. Clinical Manual of Fever in Children. [ebook]. Springer; 2018. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-92336-9>

Wolfe J, Kreicbergs U, Jones BL, Jankovic M. Palliative Care in Pediatric Oncology. 1st ed. [ebook]. Springer; 2018. DOI: <https://doi-org.are.uab.cat/10.1007/978-3-319-61391-8>

On paper:

Álvarez López J, Flores González J, Fernández Leal A, Díaz Rodríguez JL. Guía farmacológica pediátrica en tratamiento parenteral y cuidados de enfermería.Elsevier España S.A. 2016.

Ann Towle M. Asistencia de enfermería materno-neonatal. Pearson Education, SA; 2011

Díaz Gómez, NM, Gómez García MC, Ruíz García MJ. Enfermería de la infancia y la adolescencia. Madrid: McGraw-Hill Interamericana España; 2006.

Edo Gual M, Giró Sanabria I, March Vilà G. Manual de procedimientos y técnicas de enfermería en pediatría. Bellaterra. Barcelona: Servei de Publicacions. Universitat Autònoma de Barcelona; 2010.

Fernández Díaz P, Caballero Muñoz E, Medina Bacarreza G. Manual de enfermería neonatal. Cuidados y procedimientos. Elsevier España S.A. 2010.

Galbán Oliert JA. Enfermería pediátrica. Manual de urgencias. Sevilla: Editorial MAD; 2000.

Lissauer T, Graham C. Texto ilustrado de pediatría. Elsevier; 2009.

Nascimento Támez R, Pantoja Silva MJ. Enfermería en la unidad de cuidados intensivos neonatal. Asistencia del recién nacido de alto riesgo. 3º ed. Buenos Aires: Panamericana; 2008.

De los Reyes López, M, Sánchez Jacob M. Bioética y Pediatría. Sociedad de Pediatría de Madrid y Castilla-La Mancha; 2010.

Ruiz González MD, Martínez Barellas MR, González Carrión P. Enfermería del niño y del adolescente. Madrid: Enfermería 21. Difusión Avances de Enfermería (DAE); 2009.

Sellán Soto MC, Vázquez Sellán A. Cuidados neonatales en enfermería. Elsevier España S.A. 2017.

Ullán de la Fuente AM, Ández Belver M. Cuando los pacientes son niños: "Humanización y calidad en la hospitalización pediátrica". Madrid: Eneida; 2008.

web:

Associació Catalana d'Infermeria Pediàtrica: <https://acipediatria.org>

Asociación nacional de Enfermería en cuidados intensivos pediátricos y neonatales: <http://anecipn.org>

Asociación Española de pediatría: <http://www.aeped.es>

Comunidad Virtual Enfermería Infantil: <http://www.enfermeriainfantil.org>

Generalitat de Catalunya. Salut: <http://www.gencat.cat/temes/cat/salut.htm>

Pediáclíc: <http://www.pediáclíc.org>

Sociedad Española de Enfermería Neonatal: <http://www.seen-enfermeria.com>

Española de Pediatría Extrahospitalaria y de Atención Primaria: <http://www.sepeap.org>

Sociedad Española de Cuidados Intensivos Pediátricos: SECIP <https://secip.com>