



COURSE DATA

DATA SUBJECT

Code: 34488

Name: Paediatrics I

Cycle: Undergraduate Studies

ECTS Credits: 4.5

Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
1204 - Degree in Medicine	Facultat de Medicina i Odontologia	5	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1204 - Degree in Medicine	Human clinical training V	COMPULSORY

COORDINATION

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SUMMARY

In this subject, a program destined to allow students to recognize the main aspects of health and disease in the childhood is proposed, highlighting the preventive and healing aspects of the pediatric affections. Along with the subject Pediatrics II, from a theoretical-practical perspective, the main health problems that can appear during childhood are approached, and it allows the student to know how to treat them and collaborate with the full development of the child. In this first part, problems related to prenatal pathology, the newborn, growth and pathology of the digestive system and nutrition are reviewed.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

To course this subject, it is advisable that the students have passed the modules of Morphology, Structure and Function of the Human Body: Skills in Social Medicine and Diagnostic-Therapeutic Procedures.



COMPETENCES / LEARNING OUTCOMES

1204 - Degree in Medicine

Acknowledge diversity and multiculturality.

Acquire proper clinical experience in hospitals, health care centres and other health institutions, under supervision, as well as basic knowledge of clinical management focused on the patient and the correct use of tests, medicines and other resources available in the health care system.

Capacity for communicating with professional circles from other domains.

Consideration of ethics as a fundamental value in the professional practise.

Criticism and self-criticism skills.

Establish the diagnosis, prognosis and treatment, applying principles based on the best information available and on conditions of clinical safety.

Have the capacity to make an initial diagnosis and establish a reasonable strategy of diagnosis.

Indicate the most accurate therapy in acute and chronic processes prevailing, as well as for terminally ill patients.

Know how to use IT in clinical, therapeutic and preventive activities, and those of research.

Know how to use the sources of clinical and biomedical information available, and value them critically in order to obtain, organise, interpret and communicate scientific and sanitary information.

Knows how to carry out manoeuvres of basic and advanced life support.

Knows how to perform a complete anamnesis, focused on the patient and orientated to various pathologies, interpreting its meaning.

Knows the morphofunctional characteristics of newborns, children and adolescents, as well as the characteristics of growth, and of preterm infants.

Obtain and elaborate a clinical history with relevant information.

Perform a physical examination and a mental health assessment.

Plan and propose appropriate preventive measures for each clinical situation.

Proper organisation and planning of the workload and timing in professional activities.

Recognises, diagnoses, and guides the management of vital risk situations.

Recognises, diagnoses and guides the management of the main paediatric pathologies.

Team-working skills and engaging with other people in the same line of work or different.



Understands the characteristics of child nutrition.

Understand the importance and the limitations of scientific thinking in the study, prevention and management of diseases.

Working capacity to function in an international context.

DESCRIPTION OF CONTENTS

1. THEORY

1. Fundamental concepts in Paediatrics.
2. Normal development during childhood.
3. Pre-conception factors of the development. Prenatal Pathology.
4. Newborn. Concept. Anatomical and physiological characteristics of the normal newborn. Prophylaxis practices. The newborn of low weight.
5. Perinatal anoxia. Hypoxic-ischemic encephalopathy. Ventricular and periventricular hemorrhage.
6. Newborn respiratory pathology.
7. Newborn hemorrhage. Obstetric traumatism. Newborn jaundice.
8. Infections in the newborn period.
9. Child nutrition. Energetic aspects. Analysis of the necessities in immediate principles. Reference intakes. Breastfed nutrition: breastfeeding.
10. Artificial breastfeeding. Mixed breastfeeding. Complementary nutrition. Pre-school, school and adolescent nutrition.
11. Nutrition pathology: malnutrition. Obesity.
12. Most frequent specific nutritional disorders (deficit and excess): fat-soluble and hidrosoluble vitamins, zinc. Rickets.
13. Physiology and pathology of the hydro-mineral metabolism. Physiology and pathology of the acidbase metabolism.
14. Hypoglucemias. Diabetes mellitus.
15. Congenital metabolic diseases.
16. Vomit study. Anomalies in the development of the digestive duct.
17. Acute diarrhea. Constipation.
18. Pathology of the intestinal digestion: pancreas cystic fibrosis. Pathology of the intestinal absorption: celiac disease.
19. Abdominal pain.

2. PRACTICES

SEMINAR PRACTICES

- Anamnesis, clinical exploration.
- Neuropsychological development.



- Exploration of the Newborn.
- Practical aspects of nutrition.
- Semiology of the digestive system.
- Cardiopulmonary reanimation.
- Evaluation of the nutritional condition.
- Accidents and poisonings.

WORKSHOPS

Clinical skills workshop CPR at the simulation center

CLINICAL PRACTICES

Stay in a hospital or a health center for 5 days, in the mornings.

OTHER PRACTICAL ACTIVITIES

Webinars (¿pediatric Thursdays¿), individual online training activities at the virtual classroom (featured articles, bibliographic news, image of the week, interactive clinical cases and others).

The contents of these activities will be updated in the virtual classroom (<http://aulavirtual.uv.es/>).

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	19,00
Seminars	24,00
Laboratory	0,00
In-class tutorials	0,00
Clinical practice	13,00
Total hours	56,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	40,00
Preparation of lessons	0,00
Preparation for assessment activities	16,25
Resolution of case studies	0,00
Preparation of supplementary reports	0,00
Preparation of the internship report and evaluation of the internship	0,00
Total hours	56,25

TEACHING METHODOLOGY

The ECTS credits have been arranged according the current laws about the distribution between attending



(50%) and non-attending (50%) activities.

- **Theoretical lessons**, the teacher will expose, in a structured way, through master class, assisted with audiovisual means, the most important concepts and contents for obtaining the knowledge and skills that the students must acquire.
- **Clinical cases** aimed at learning skills in the collection of pathological data, their interpretation and diagnostic and therapeutic orientation. Methodologies that encourage student participation will be used.
- **Group seminars**. Based on selected clinical contents that complement those of the theoretical classes. Their essential features are the active participation of the students, with the facilitating action of the teaching staff, and the common written material, as the center of the discussion between participants.
- **Clinical practices**. Stays in the health services in the different university hospitals and primary care centers, in order to learn how to perform an anamnesis and basic clinical explorations, with a first contact with patients, supervised by the professor.
- **Complementary activities** (webinars, clinical skills practices in the simulation center, gamification, commented readings, attendance at courses or congresses...), proposals during the course in order to broaden the students' vision of children's health problems and its overall approach..

Methodologies that encourage participation, collaborative work and learning of pediatrics in terms of diversity.

The gender perspective, the respect for diversity, and the sustainable development goals (SDGs) will be incorporated into teaching, whenever possible.

EVALUATION

a) Theoretical teaching (50% of the global mark):

- Examination with 40 multiple-answer questions, based on the 19 exposed in the theoretical lessons. Multiplechoice, with 4 possible answers, but only one correct. The right answer will add 1 point and the wrong answer will subtract 0,33 points; blank answers do not have a value.

b) Practical teaching (50% of the global mark):

- Examination of 25 multiple-answer questions, related to the content of the seminars and clinical cases. This represents the 60% of this section. (30% of the global valuation).
- Participation in other practical activities, described in the practices section of this guide. The evaluation will be carried out by accrediting their participation and the achievement established for each of them. This section represents 40% of the practical evaluation (20% of the overall



assessment).

- Attendance at practices and seminars. The student must submit an attendance and objective completion form in the virtual classroom, signed and stamped by the clinical practice instructor. Attendance will be monitored during seminars.

Attendance at practical activities is mandatory. The student is considered to meet this requirement if he or she has attended a minimum of 80% of these activities and has adequately justified the impossibility of attending the remaining sessions due to the occurrence of a cause of force majeure. It will be essential to comply with this requirement to pass the subject.

The subject will be passed with a global mark equal to or greater than 5 (out of 10), adding the evaluation of the theoretical teaching and that of the practical teaching and provided that **a score equal to or greater than 50% has been obtained in the written exam (4 out of 8 points)**.

It is a requirement for advanced examination of this subject that the student has completed all practical sessions.

Students are reminded of the importance of carrying out evaluation surveys on all the teaching staff of the degree subjects.

REFERENCES

BÁSICAS

- Robert M. Kliegman et al. Nelson. Tratado de Pediatría. 21ª ed. Barcelona: Elsevier; 2020. Disponible en: https://trobes.uv.es/permalink/34CVA_UV/1bttdu2/alma991009633393206258
- Anna Rodgers y Jessica Salkind. Lo esencial en Pediatría. 5ª ed. Barcelona: Elsevier; 2020. Disponible en: https://trobes.uv.es/permalink/34CVA_UV/1bttdu2/alma991009630688406258
- Tom Lissauer y Will Carroll. Illustrated Textbook of Paediatrics, 6ª ed. Chicago: Elsevier; 2021 Disponible en: https://trobes.uv.es/permalink/34CVA_UV/1bttdu2/alma991009675492606258
- Cruz Hernández M, García García JJ. Manual de pediatría. 4a edición. Majadahonda (Madrid): Ergón, 2020.

RECURSOS e-Salut

- ClinicalKey Student Medicina, Odontologia y Enfermería. <https://uves.libguides.com/RecursosSalut>
- Acces Medicina https://uv-es.libguides.com/Access_Medicina
- Médica Panamericana https://uv-es.libguides.com/Medica_Panamericana

COMPLEMENTARIAS

- Karen J. Marcadante y Robert M. Kliegman. Nelson pediatría esencial. 8ª ed. Barcelona: Elsevier; 2019. Disponible en: https://trobes.uv.es/permalink/34CVA_UV/um6gse/alma991002023279706258 - Mark W.
- Kline. eds. Rudolph's Pediatrics, 23ª ed. New York: McGraw Hill Education; 2018. Disponible en: https://trobes.uv.es/permalink/34CVA_UV/um6gse/alma991001708479706258
- Asociación Española de Pediatría. Cruz. Tratado de Pediatría, 11th ed. Madrid: Editorial Médica Panamericana; 2014. Disponible en: https://trobes.uv.es/permalink/34CVA_UV/um6gse/alma991001708479706258



VNIVERSITAT ID VALÈNCIA

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