Iran University of Medical Sciences and Health Services

Educational Deputy
Center for Medical Education Studies and Development
Educational Planning Unit

«Theoretical-Practical Course Plan»

Course Information:

Educational Department Offering the Course: Pediatric Nursing and Neonatal Intensive Care
Course Title: Principles of Advanced Pediatric Care 2
Type and Number of Credits: 2 Units (34 Hours)
Course Head: Dr. Fahimeh Sabeti
Instructor(s): Dr. Fahimeh Sabeti - Dr. Mahnaz Shouqi-- Dr. Raheleh Mohammadi
Prerequisite: Principles of Advanced Pediatric Care 1 (Code 18) - Principles of Advanced Pediatric Care 1 –clinical setting (Code 19)
Field and Level of Study: Master of Science in Pediatric Nursing - Pediatric Nursing **(M.sc)**

Information of Head Information:

- **Academic Rank:** Assistant Professor
- **Specialty Field:** PhD in Nursing (M.Sc. in Pediatric Nursing)
- **Workplace:** Faculty of Nursing and Midwifery - Department of Pediatric Nursing and Neonatal Intensive Care
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واحد برنامه ریزی آموزشی دانشگاه ع.پ. ایران

Course Description:

To familiarize and empower students to recognize clinical and paraclinical symptoms of children with cancer disorders, types of brain dysfunction, children with immunodeficiency, types of endocrine dysfunction, skin diseases, and musculoskeletal, neurological, or joint dysfunction based on pathobiological changes in body systems, and to provide appropriate care and education to the child and family based on the nursing process in order to achieve the maximum level of health. To this end, students are helped to integrate their learning with previous learning and apply creative thinking skills in caring for the child and family.

General Goals / Competency Axes:

Familiarize students with various types of cancer disorders, brain function disorders, endocrine disorders, skin problems, and musculoskeletal neuro-articular dysfunction in children and care for children with these disorders based on the nursing process.

Specific Objectives / Core Competency: Upon completion of this course, the learner is expected to:

- Compare common cancers in children in terms of signs and symptoms, treatment and nursing care.
- Develop a nursing care plan for a child with cancer (based on valid guidelines).
- Describe brain function disorders in children.
- Develop a nursing care plan for a child with brain function disorders (based on valid guidelines).
- Describe types of seizure and epilepsy disorders in children.
- Compare types of headaches in children in terms of signs and symptoms, treatment and nursing care.
- Develop a nursing care plan for a child with seizures and epilepsy.
- Describe types of endocrine disorders (pituitary, thyroid, parathyroid and adrenal) in children.
- Develop a nursing care plan for a child with endocrine disorders (based on valid guidelines).
- Describe types of skin disorders in children.
- Develop a nursing care plan for a child with skin disorders (based on valid guidelines).
- Describe the types of musculoskeletal joint dysfunctions.
- Develop a nursing care plan for a child with musculoskeletal joint dysfunctions
- Describe the types of injuries related to sports activities in children.
- Develop a nursing care plan for a child with sports injuries.
- Describe the types of neuromuscular dysfunctions in children.
- Develop a nursing care plan for a child with neuromuscular dysfunctions (based on valid guidelines).
- Describe the types of mental disorders (hyperactivity, anxiety, and bedwetting) in children.
- Develop a nursing care plan for a child with mental disorders (based on valid guidelines).
- Understand the importance of family-centered care in caring for children.
- Give importance to critical thinking in caring for children.

Schedule for Principles of Advanced Pediatric Care 2

	Topic	Learning-teaching method		Instructor
		Learning Activities	Teaching-Learning Method	
1	Types of cancer in children and nursing care	Active class attendance, Participation in group discussion, Self-Study)	Interactive Lecture, Group Discussion	Dr Sabeti
2	Pain management in childhood cancer (based on valid guidelines)	Active class attendance, Participation in group discussion, Self-Study)	Interactive Lecture, Group Discussion	Dr Sabeti
3	Brain dysfunction: brain infections including bacterial, aseptic and tuberculosis meningitis, brain abscess, encephalitis and Reye's syndrome and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Shogi
4	Types of seizures, epilepsy and headaches in children- Nursing care in seizures, epilepsy, headaches	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Mohammadi
5	Endocrine disorders-Part 1 (types of pituitary and adrenal dysfunction) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Mohammadi
6	Endocrine disorder-Part 2 (types of thyroid and parathyroid dysfunction) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Mohammadi
7	Types of skin infections (bacterial, viral, fungal) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Sabeti

Schedule for Principles of Advanced Pediatric Care 2

	Topic	Learning-teaching method		Instructor
		Learning Activities	Teaching-Learning Method	
8	Types of arthropod and animal bites and stings (lice, pediculosis, Lyme disease, rabies, and cat scratch disease) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Shogi
9	Types of musculoskeletal disorders (fractures, scoliosis, kyphosis, lordosis, torticollis) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Shogi
10	Types of joint disorders (rheumatoid arthritis, lupus erythematosus) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Shogi
11	Types of neuromuscular disorders (juvenile dermatomyositis, Duchenne muscular dystrophy) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Shogi
12	Types of neuromuscular disorders (spina bifida, cerebral palsy) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Mohammadi
13	Types of neuromuscular disorders-Part 1 (hypotonia, spinal muscular atrophy, Guillain-Barré) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Sabeti
14	Types of neuromuscular disorders-Part 2 (Tetanus, botulism, myasthenia gravis) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Sabeti
15	Psychological disorders in children (anxiety, bedwetting, attention deficit hyperactivity disorder) and nursing care	Active class attendance, Participation in group discussion, Self-Study	Interactive Lecture, Group Discussion	Dr Mohammadi
16	Student Seminar	Participation in group discussion	Student Presentation	Dr Sabeti, Dr Shogi Dr Mohammadi

Educational Approach: A combination of virtual and in-person educational approaches, including:

- √ Interactive Lecture (Q&A, Quiz, Group Discussion, etc.)
- √ Problem-Based Learning (PBL)
- √ Using Students in Teaching (Peer Teaching)
- √ Scenario-Based Learning
- √ E-Content Based Learning
- √ Flipped Classroom

Student Duties and Expectations:

- Regular class attendance.
- Active participation in class scientific discussions.
- Presenting a student seminar.
- Self-Study / Library studies.
- Developing critical thinking.
- Observing ethical principles in education.

Student Assessment Method:

Criteria	
Attendance & Active Participation	10% (2 marks)
Assignments: The student must research/study and present in class at least 6 articles/related guidelines (2 topics from the class subject of each professor).	30% (7 marks)
Final Exam	50% (10 marks – 3.5 marks per professor)
Total Score / Rating	Total (out of 20): 20

References: a) Books:

1-Hochenberry, M.J, Wilson D. 2019. Wong's nursing Care of Infants and Children. Philadelphia, st .louis, Mosby, Elsevier.

2- Kliegman R and St. Geme W. 2020, Nelson Textbook of Pediatrics. 21 Ed, Elsevier

b) Resources for Further Study

Website: 1-Up to Date 2-Clinical Key

c) Articles: Articles published in specialized journals: 2-Journal of Pediatric Health Care 3- Other value nursing journals Pediatric Nursing 1-Journal of