Faculty	Nursing and Midwifery
Educational Level & Major	Master's Degree in Neonatal Intensive Care Nursing
Course Name	**Developmental Support and Family-Centered Care**
Credits	1
Unit Type	Theoretical
Class Schedule	Online and in present
Location	
Number of Students	4 Course
Coordinator	Dr. Mona- Alinejad
Instructors (Alphabetical)	Dr. Mona Alinejad, Dr. Mahnaz Shoghi

Course Description:

This course is designed to familiarize students with family concepts, needs, family-centered care, family-centered empowerment, understanding the crisis of preterm birth or congenital diseases in the family, knowledge of developmental care based on developmental assessment models and the developmental process of hospitalized neonates, mechanisms of family adaptation and coping with the birth of a preterm infant, stages of the grief process in parents with a focus on maintaining family cohesion, and understanding parental attachment and bonding to the newborn.

Main Goals/Core Competencies:
Familiarity with the principles of integrated neonatal nursing care in neonatal intensive care units..

Specific Objectives/Sub-competencies:
Upon completion of this course, the learner is expected to:

- Explain family assessment, holistic nursing, family cultural structure, and cultural care.
- Describe how to identify the health needs of the neonate/family, provide care during the crisis of preterm/ill newborn birth, and maintain family cohesion.
- Explain the nurse's role in caring for families with an infant hospitalized in the NICU, family-centered care, and family empowerment.
- Describe barriers to normal development in the NICU, methods to reduce stress for improving developmental outcomes, and how to perform developmental care and developmental assessment.
- Analyze psychological and social support for families with an infant in the NICU, promote mental health, and address family emotional needs.
- Describe coping and adaptation mechanisms in parents, attachment and bonding to the infant, and the grief process in parents and families.

- Explain concepts of sleep and touch in neonates and their impact on developmental outcomes.
- Describe the concept of pain in neonates and how to manage it.
- Develop a care plan based on the nursing process for the preterm/ill neonate and family.

Teaching Methods: Lectures, planned lectures, Q&A, group discussions, Problem-Based Learning (PBL), Team-Based Learning (TBL), others as specified Student Duties: Regular **attendance:** active participation Educational Aids: Whiteboard, Online Rooms, slide projector **Evaluation & Grading:** Attendance & participation: 2 point - Final exam: 18 points Exam **Types:** Descriptive, short answer, multiple choice, matching, true/false, others

References:

- Verklan, M.T., Walden, M. and Forest, S. eds., 2020. Core curriculum for neonatal intensive care nursing e-book. Elsevier Health Sciences.
- Fanaroff, A.A. and Fanaroff, J.M., 2019. Klaus and Fanaroff's Care of the High-Risk Neonate E-Book. Elsevier Health Sciences.
- Goldsmith, J.P. and Karotkin, E.H., 2003. Introduction to assisted ventilation. Assisted Ventilation of the Neonate, ed, 4, pp.1-14.
- Hockenberry, M.J. and Wilson, D., 2018. Wong's nursing care of infants and children-E-book. Elsevier Health Sciences.

Weekly Schedule & Topics	Instructor
1- Course introduction and overview of developmental support and family-centered care; Holistic nursing, family cultural structure and cultural care, principles of neonatal developmental care; Synactive Theory	**Dr. Alinejad**
2- Nurse's role in caring for families with an infant hospitalized in the NICU, family-centered care and family empowerment based on the nursing process	**Dr. Alinejad**
3- Kangaroo mother care and father care; Sensory interventions in preterm infants	**Dr. Shogi**
4- Muscular and motor development in preterm infants	**Dr. Shogi**
5- Positioning in developmental care programs; Therapeutic positions; Oral feeding and the preterm infant	**Dr. Shogi**
6-Identifying health needs of the neonate/family, care during the crisis of preterm/ill newborn birth, maintaining family cohesion; Grief process in parents and families; Psychological and social support for families with an infant in the NICU, promoting mental health and addressing family emotional needs	**Dr. Alinejad**
7- Concepts of sleep, touch, light, and sound in neonates and their impact on developmental outcomes	**Dr. Shogi**
8- Barriers to normal development in the NICU, methods to reduce stress for improving developmental outcomes, how to perform developmental care and developmental assessment; Presentation of a care plan for a neonate with special needs using a developmental care approach	**Dr. Alinejad**