NURS-1230: CONCEPTS OF NURSING CARE OF CHILDBEARING FAMILIES AND CHILDREN

Cuyahoga Community College

Viewing: NURS-1230 : Concepts of Nursing Care of Childbearing Families and Children

Board of Trustees:
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Academic Term:
Fall 2023

Subject Code
NURS - Nursing

Course Number:
1230

Title:
Concepts of Nursing Care of Childbearing Families and Children

Catalog Description:
This course builds on the previous nursing courses to further refine and apply the concepts of nursing practice in the care of the childbearing and developing family. Application of knowledge and skills occurs in the nursing laboratories and a variety of clinical settings in maternal/newborn and pediatric environments.

Credit Hour(s):
4

Lecture Hour(s):
2

Lab Hour(s):
1.5

Other Hour(s):
4.5

Other Hour Details:
On Campus Laboratory: 22.5 hours per semester; Clinical Laboratory: 67.5 hours per semester

Requisites

Prerequisite and Corequisite
NURS-1000 Introduction to Health Care Concepts, and NURS-1010 Introduction to Patient Care Concepts, and NURS-1200 Fundamentals of Nursing Concepts, and NURS-1210 Concepts of Nursing Care for Patients in Community and Behavioral Health Settings, and NURS-1240 Role Transitions or concurrent enrollment; and ENG-1010 College Composition I or concurrent enrollment; and departmental approval: admission to program.

Outcomes

Course Outcome(s):
Apply nursing concepts to provide safe, quality, evidence-based, patient-centered nursing care in a variety of healthcare settings for maternal/newborn and pediatric patients.

Essential Learning Outcome Mapping:
Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.
Cultural Sensitivity: Demonstrate sensitivity to the beliefs, views, values, and practices of cultures within and beyond the United States.
Written Communication: Demonstrate effective written communication for an intended audience that follows genre/disciplinary conventions that reflect clarity, organization, and editing skills.

Objective(s):

a. Conduct a head-to-toe and/or focused assessment, prioritized physical, behavioral, psychological, and spiritual assessment of health and illness parameters in patients, using developmentally and culturally appropriate approaches for maternal/newborn and pediatric patients.
b. Interpret patient needs based on assessment findings for maternal/newborn and pediatric patients.
c. Develop an individualized plan of care applying evidence-based practice guidelines.
d. Provide patient-centered care that reflects an understanding of human growth and development, pathophysiology, pharmacology, nutrition, medical management, and nursing management for maternal/newborn and pediatric patients.
e. Differentiate among factors that are most important for creating a culture of safety for maternal/newborn and pediatric patients.
f. Implement a patient teaching that reflects developmental stage, age, culture, spirituality, patient preferences, and health literacy considerations.
g. Analyze the effectiveness and impact of nursing care.
h. Deliver care within expected timeframe for maternal/child and pediatric patients.
i. Utilize effective communication techniques when transitioning care to another health care provider.
j. Incorporate cultural awareness and sensitivity concepts when providing care for maternal/newborn and pediatric patients.
k. Contributes to the plan of care based on an ongoing evaluation of patient outcomes including recognition of alterations for maternal/newborn and pediatric patients.
l. Demonstrate safe performance of psychomotor skills for efficient, safe, and compassionate patient care.
m. Document all aspects of care provided for maternal/newborn and pediatric patients.

Course Outcome(s):

Apply clinical judgment to make patient-centered care decisions for maternal/newborn and pediatric patients.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

a. Apply clinical judgment to ensure accurate and safe nursing care, including addressing anticipated changes for maternal/newborn and pediatric patients.
b. Apply clinical judgment when implementing all steps of the nursing process for maternal/newborn and pediatric patients.
c. Relate common risks for maternal/newborn and pediatric patients, and predict and manage potential complications.
d. Prioritize care for the maternal/newborn and pediatric patients.
e. Apply information about the clinical microsystem and its impact on the nurse's ability to provide safe, quality care for maternal/newborn and pediatric patients.

Course Outcome(s):

Utilize quality improvement processes to improve patient care for maternal/newborn and pediatric patients.

Objective(s):

a. Utilize quality improvement processes, including nursing-sensitive indicators in the microsystem of care when caring for maternal/newborn and pediatric patients.
b. Utilize information about quality improvement projects used in the care of patients of maternal/newborn and pediatric patients.
c. Examine gaps between local and national standards of practices and competencies in the care of maternal/newborn and pediatric patients.
d. Examine possible errors and ways to prevent those errors in the care of maternal/newborn and pediatric patients.
e. Implement National Patient Safety Goals in the care of maternal/newborn and pediatric patients.

Course Outcome(s):

Engage in collaboration and teamwork with members of the interprofessional team, the patient, and the patient's support systems when caring for maternal/newborn and pediatric patients.

Objective(s):

a. Analyze own communication with members of the healthcare team, including the patient and the patient's support network when making decisions and planning care.

b. Communicate data collected during the patient assessment to the appropriate interprofessional healthcare team member(s).
c. Apply patient safety and quality improvement concepts within the context of the interprofessional team in the care of maternal/newborn and pediatric patients.
d. Apply conflict resolution principles when working with the interprofessional team.

Course Outcome(s):

Analyze the role of information management principles, techniques, and systems, and patient care technology to communicate, manage knowledge, mitigate error, and support decision-making when caring for maternal/newborn and pediatric patients.

Objective(s):

a. Analyze how the use of patient care technologies, information systems/technologies, and communication devices are used to support safe nursing practice when caring for maternal/newborn and pediatric patients.
b. Analyze the role of information technology and information systems in improving patient care outcomes and creating a safe care environment.
c. Use patient care technologies as appropriate to address the needs of a diverse maternal/newborn and pediatric patients.

Course Outcome(s):

Apply leadership, management, legal, and ethical guidelines in practice as a professional nurse when caring for maternal/newborn and pediatric patients.

Objective(s):

a. Apply legal and ethical frameworks of nursing practice to the care of maternal/newborn and pediatric patients.
b. Apply the American Nurses Association (ANA), Quality and Safety Education for Nurses (QSEN), National League for Nursing (NLN), and National Association for Practical Nurse Education and Service, Inc. (NAPNES) Standards of Practice to the care of maternal/newborn and pediatric patients.
c. Be accountable for nursing care given by self and/or delegated to others.
d. Analyze the management skills and delegation principles used on the unit caring for maternal/newborn and pediatric patients.
e. Analyze own role as a patient advocate when caring for maternal/child and pediatric patients.
f. Apply knowledge of the impact of economic, political, social, and demographic forces on the delivery of health care to maternal/newborn and pediatric patients.

Methods of Evaluation:

a. Quizzes
b. Case studies
c. Concept mapping
d. Clinical Evaluation Tool
e. Examinations
f. Nursing care plans
g. Lab Skills Competency
h. Quizzes
i. Teaching Plan
j. Presentations

Course Content Outline:

a. Thermoregulation
   i. Fever in children
   ii. Hypothermia of newborn and pediatric patient
b. Mobility
   i. Cerebral Palsy
   ii. Spina Bifida
   iii. Scoliosis
c. Infection

        i. Group Beta Strep
       ii. Respiratory Syncytial Virus (RSV)
      iii. Chorioamnionitis

d. Gas Exchange
        i. Asthma
       ii. Fetal Oxygenation

e. Perfusion
        i. Congenital heart defects
       ii. Sickle cell disease
      iii. Placental perfusion and abnormalities
      iv. Fetal oxygenation
       v. Hypertensive disorders of pregnancy

f. Communication*
        i. Situation, Background, Assessment, Recommendation (SBAR)
       ii. Therapeutic communication with children

g. Stress and Coping
        i. Resilience
       ii. Regression
      iii. Coping r/t fetal loss
      iv. Postpartum depression

h. Sexuality and Reproduction
        i. Intimate partner violence
       ii. Sexually transmitted infections (STI)
           1. Human Immunocompromised Virus (HIV)
           2. Syphilis
           3. Gonorrhea Neisseria (GC)
           4. Chlamydia
           5. Cytomegalovirus (CMV)

i. Reproduction
        i. Pregnancy
       ii. Conception
      iii. Prenatal drug exposure
      iv. Pregnancy hormones
       v. Gestational diabetes
      vi. Pre-eclampsia
     vii. Shoulder dystocia
    viii. Postpartum Hemorrhage (PPH)
      ix. Postpartum

j. Tissue Integrity
        i. Atopic Dermatitis
       ii. Perineal episiotomy/laceration
      iii. Circumcision

k. Intracranial Regulation
        i. Epilepsy
       ii. Bacterial Meningitis

l. Fluid and Electrolyte (F/E)
        i. Dehydration
       ii. Hyperemesis Gravidarum

m. Nutrition
        i. Prenatal diet and vitamins
       ii. Iron deficiency anemia
      iii. Newborn nutrition
      iv. Phenylketonuria

n. Culture and Diversity
        i. Death and dying
           1. Obstetric
           2. Pediatric
       ii. Pregnancy health beliefs and customs

o. Family Dynamics

      i. Child abuse/neglect

      ii. Children with a chronic illness

      iii. Promoting bonding

      iv. Adaptation to parenthood/maternal behaviors

p. Development

      i. Hydrocephalus

      ii. Cleft lip/palate

      iii. Autism

      iv. Down's syndrome

      v. Newborn physiology and behavior

q. Collaboration*

      i. Family centered care

      ii. Interprofessional collaboration

      iii. Atraumatic care

      iv. Student collaborative learning (HPS)

r. Pain

      i. Pediatric pain assessment

      ii. Labor Pain- ambulation and position changes

s. Patient Education*

      i. Childbirth education

      ii. Prenatal care

      iii. Anticipatory guidance

      iv. Leading causes of death

t. Clinical Judgement*

      i. Early recognition of postpartum hemorrhage

      ii. Fetal heart rate tracing interpretation

      iii. Preterm labor

      iv. Responding to a pediatric respiratory emergency

u. Health Promotion*

      i. Immunizations

          1. Obstetrics

          2. Pediatrics

      ii. Injury prevention

      iii. Accidental ingestion

      iv. Prenatal testing,

      v. Rh factor and antibody screening

      vi. Newborn care

      vii. Environmental exposures- (toxins/poisoning)-lead

v. Safety*

      i. Pediatric medication administration

      ii. Fall prevention of pediatric patients

      iii. Fall prevention of obstetrics

          1. Maternal

          2. Newborn

      iv. Recognition of/Action on adverse effects

          1. Interventions r/t fetal compromise

          2. Newborn safety and security measures

          3. Jaundice of newborn

w. Technology and Informatics*

      i. Electronic Health Records (EHR)

      ii. Bar code medication administration

      iii. Electronic fetal monitoring

x. Evidence*

      i. WHO baby-friendly standards of care

      ii. Evidence base practice in Pediatrics

*These concepts and exemplars are taught across the curriculum.

Resources

Giddens, J.F. *Concepts for Nursing Practice*. 3rd ed. St. Louis, Missouri: Elsevier Inc., 2020.

Jarvis, C. *Physical Examination & Health Assessment*. 8th ed. St. Louis, Missouri: Elsevier Inc., 2019.

McKinney, E. S. & James, S. R. *Maternal Child Nursing.* 5th ed. St. Louis, Missouri: Elsevier Inc., 2018.

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