

Common Course Outline
NURN 218
Maternal-Newborn Nursing Concepts
3 Credits

The Community College of Baltimore County

Description

NURN 218 – Maternal-Newborn Nursing Concepts prepares students to assume the role of the nurse generalist in the care of childbearing families. Emphasis is placed on exploring the concepts of childbearing, neonatal adaptation, and family adaptation. Nursing care management of childbearing complications related to concepts of perfusion, infection control, oxygenation and metabolism are addressed. Through didactic and clinical learning experiences, students are prepared to support women and their families through the childbearing process by assisting and teaching them to care for themselves and a new human life.

3 Credits – 2 credits of theory (30 clock hours) and 1 credit hour simulation lab/clinical (45 clock hours)

Pre-requisite: NURN 160 (with a grade of C or higher)

Overall Course Objectives

Upon completion of this course students will be able to:

1. examine the standards of professional excellence essential to the role of the Maternal-Newborn Nurse incorporating ethics, caring, advocacy, and life-long learning;
2. use informatics and evidence-based sources to promote optimal health for the childbearing family;
3. describe the physiologic and psychological changes associated with childbearing, neonatal and family adaptation;
4. explain evidence-based nursing care management of patients/families experiencing childbearing, neonatal and family adaptation;
5. provide safe, patient-centered, and pharmacologic/non-pharmacologic interventions to promote health for childbearing families;
6. design a patient-centered teaching plan to implement in the care of a childbearing family;
7. distinguish between physiologic and behavioral assessment findings in normal vs. abnormal neonatal adaptation;
8. use the nursing process and evidence-based sources to provide nursing care that supports healthy neonatal adaptation;
9. apply evidence-based principles of proper nutrition to promote optimal health in the neonate;
10. develop a patient-centered plan of nursing care that considers diversity and spirituality which supports positive family adaptation;

11. examine factors that may adversely impact family adaptation;
12. describe the physiologic and psychological changes related to childbearing complications related to perfusion, infection, oxygenation, and metabolism; and
13. explain evidence-based nursing care management of childbearing complications related to perfusion, infection, oxygenation, and metabolism.

Major Topics

- I. Nursing Care During Childbearing
 - A. The Professional Role of the Maternal-Newborn Nurse
 - B. Pregnancy
 1. Normal physiologic and psychological changes
 2. Assessment of fetal well-being – first and second trimesters
 3. Exemplars: hyperemesis gravidarum, infertility
 - C. Labor and Birth
 1. Normal physiologic and psychological changes
 2. Assessment of fetal well-being - intrapartum
 3. Exemplars: dysfunctional labor patterns, cesarean birth
 - D. Postpartum
 1. Normal physiologic and psychological changes
 2. Exemplar: postpartum hemorrhage
- II. Nursing Care During Neonatal Adaptation
 - A. Physiologic and behavioral adaptations
 - B. Newborn nutrition
 - C. Exemplars: cold stress, physiologic jaundice
- III. Nursing Care During Family Adaptation
 - A. Psychological adaptations
 - B. Exemplars: postpartum mood disorders, neonatal abstinence syndrome, perinatal loss
- IV. Childbearing Complications related to Perfusion
 - A. Hypertensive disorders
 - B. Bleeding disorders (abortions, ectopic, gestational trophoblastic disease, previa, abruption, cord accidents)
 - C. Small for gestational age/intrauterine growth restriction and post maturity syndrome
 - D. Assessment of fetal well-being – third trimester (non-stress test, contraction stress test, biophysical profile, lecithin/sphingomyelin ratio)
- V. Childbearing Complications related to Infection Control
 - A. TORCH infections (toxoplasmosis, rubella, cytomegalovirus, herpes)
 - B. Perinatal HIV
 - C. Premature rupture of membranes/Preterm premature rupture of membranes
 - D. Preterm labor
 - E. Endometritis
 - F. Mastitis
 - G. Neonatal sepsis

- VI. Childbearing Complications related to Oxygenation
 - A. Respiratory distress syndrome
 - B. Transient tachypnea of the newborn
 - C. Meconium aspiration syndrome
- VII. Childbearing Complications related to Metabolism
 - A. Rh sensitization
 - B. Pathologic jaundice
 - C. Gestational diabetes
 - D. Large for gestational age/hypoglycemia
 - E. Screening for inborn errors of metabolism

Course Requirements

An overall grade of C (75.00%) or higher is required for satisfactory completion of the course.

Grading procedures will be determined by the course faculty members but will include the following:

Grading/Exams:

A minimum of three theory examinations. The weighted exam average must equal 75.00% or higher to pass the course.

A minimum of three quizzes.

Successful completion of a proctored standardized test.

Written Assignments:

A minimum of 2 writing assignments, such as clinical analysis papers, patient teaching project, and journal article reviews.

Students are required to utilize appropriate academic resources.

Simulation Lab/Clinical Requirements:

Attendance at all assigned clinical/laboratory experiences.

Satisfactory completion of all assignments.

Satisfactory performance in the clinical experience.