

Northern Marianas College
CURRICULUM ACTION REQUEST

Effective Semester / Session: Fall 2013

Type of Action:

- New
- Modification
- Move to Inactive (Stop Out)
- Cancellation

Course Alpha and Number: NU 203

Course Title: Maternal and Child Health Nursing

Reason for initiating, revising, or canceling:

This course guide is updated to reflect changes in the General College Catalog (March 2011 update), implementation of contact hours for coordination and preparation of student's clinical experience, supervision of nursing students in the clinical sites, nursing program grading policy, and revision of Associate in Science Degree in Nursing Individualized Degree Plan (IDP) 2012.


Rosa M. Tudela, RN

3/20/13

Proposer

Date


Rosa M. Tudela, RN

3/20/13

Department Chair, Nursing

Date


Barbara K. Merfalen

3.26.14

Dean of Academic Programs and Services

Date

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Course Guide

Course: NU 203 Maternal and Child Health Nursing

1. Department
Nursing

2. Purpose

The purpose of this course is to prepare the student to care for the pediatric and childbearing client and their family members. The course content includes the prenatal, intrapartum and postpartum care of the mother, the newborn, the growing child, and the family in both the hospital and community setting. The Nursing Process addresses the needs of childbearing women, children and their families. The normal pregnancy and commonly occurring childhood diseases are presented.

3. Description

A. Required/Recommended Textbook(s) and Related Materials

Required:

Wong, Donna L., Shannon E. Perry, Marilyn J. Hockenberry, Deitra L. Lowdermilk, and David Wilson. *Maternal Child Nursing Care*. 3rd ed. St. Louis, MO: Mosby, Inc., 2006.

Readability level: Grade 12

B. Contact Hours

1. **Lecture:** 4 hours per week / 60 hours per semester
2. **Lab:** 16 hours per week / 192 hours per semester
3. **Other:** none

C. Credits

1. **Number:** 8
2. **Type:** Regular degree credits

D. Catalogue Course Description

This course prepares the students to provide basic nursing care to maternity and pediatric clients and their families in both hospital and clinic settings. This course covers concepts of growth and development of newborns, infants, children, adolescents, and the childbearing woman. Family development and care are included, as are health education and promotion. Prerequisites: A "C" grade or higher in NU 105, NU 124, and NU 209. Concurrent enrollment: NU 107 or approval of the Nursing Department Chair. English Placement Level: EN 202. Math Placement Level: MA 161. (Offered Fall)

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E. Degree or Certificate Requirements Met by Course

This course fulfills one of the requirements for the Associate in Science in Nursing degree.

F. Course Activities and Design

This course will consist of four hours per week of theory instruction in the classroom and 16 hours per week in clinical or lab to practice patient skills. Learning activities include: lectures, discussions, group activities, drug cards, computer assignments, audiovisual programs and demonstrations. Guest speakers will be invited as scheduling permits. The instructor will use relevant clinical examples to illustrate key concepts to facilitate the student's understanding. Case studies will be used to help students apply knowledge and anticipate decisions they will be making in clinical practice. The student will be expected to write Nursing Care Plans (NCP) on clients they are assigned to in the clinical setting.

4. Course Prerequisite(s); Concurrent Course Enrollment; Required English/Mathematics Placement Level(s)

Prerequisite(s): A "C" grade or higher in NU 105, NU 124, and NU 209.
 Concurrent enrollment: NU 107 or approval of the Nursing Department Chair.
 English Placement Level: EN 202
 Math Placement Level: MA 161

5. Estimated Cost of Course; Instructional Resources Needed

Cost to the Student: Tuition for an 8-credit course, textbooks, course fee, BLS/CPR fee, student activities fee, physical exam, uniforms, required clinical equipments and supplies.

Cost to the College: Instructor's salary; Lead Course Instructor – gets 3 credits for coordination and preparation of student's clinical experience. Nursing instructor(s) assigned to supervision of nursing students in the clinical site gets 1 credit per student. Commonwealth Healthcare Corporation (CHCC) policy for instructor to student ratio is 1:10. Nursing Department has to abide by this policy for patient safety. Patient safety is a priority. Mileage reimbursement for full-time instructors will be given during clinical.

Instructional resources needed for this course include: Lab/medication cards, BLS/CPR fee, laboratory supplies, videotaped materials, TV/VCR, CD-ROM, computer software programs, pens paper, overhead projector and transparencies, chalk, markers, diskettes, copier machine, copier paper and toner.

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6. Method of Evaluation

Student grades will be based on the regular letter grade system as described below:

- A: Excellent – grade points: 4.0;
- B: Above average – grade points: 3.0;
- C: Average – grade points: 2.0;
- D: Below average – grade points: 1.0;
- F: Failure – grade points: 0.0.

The Nursing Department utilizes the following grading scale to assign letter grades to grade percentages:

- A: 92-100%
- B: 82-91%
- C: 75-81%
- D: 60-74%
- F: 0-59%

If a nursing course contains a clinical component, student grades will also be based on these grade percentages. The student must pass both the clinical and the theory with 75% or higher in order to pass the course. **This course has a clinical component.**

NMC's and the Nursing Department's attendance policies will be followed.

7. Course Outline

This is a topical outline and does not necessarily indicate the sequence in which the material will be presented.

- 1.0 Introduction to Maternity Nursing
 - 1.1 Cultural factors related to family health
 - 1.2 Developing cultural competence
- 2.0 Reproductive Years
 - 2.1 Health promotion and prevention
 - 2.1.1 Anticipatory guidance for health promotion and prevention
 - 2.1.2 Violence against women
 - 2.1.3 Sexual abuse
 - 2.1.4 Sexual assault

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- 2.2 Infertility, contraception, and abortion
 - 2.2.1 Contraception
 - 2.2.2 Care management
 - 2.2.3 Abortion

- 3.0 Pregnancy
 - 3.1 Genetics, conception and fetal development
 - 3.2 Assessment for risk factors
 - 3.3 Anatomy and physiology of pregnancy
 - 3.4 Nursing care during pregnancy
 - 3.5 Maternal and fetal nutrition
 - 3.6 Pregnancy at risk: Preexisting conditions
 - 3.7 Pregnancy at risk: Gestational conditions

- 4.0 Childbirth
 - 4.1 Labor and birth processes
 - 4.2 Management of discomfort
 - 4.3 Fetal assessment during labor
 - 4.4 Nursing care during labor and birth
 - 4.5 Labor and birth at risk

- 5.0 Postpartum Period
 - 5.1 Maternal physiologic changes
 - 5.2 Nursing care during the fourth trimester
 - 5.3 Transition to parenthood
 - 5.4 Postpartum complications

- 6.0 Newborn
 - 6.1 Physiological adaptations of the newborn
 - 6.2 Nursing care of the newborn
 - 6.3 Newborn nutrition and feeding
 - 6.4 Infants with gestational age-related problems
 - 6.4.1 Other problems related to gestation
 - 6.4.2 Infants of diabetic mothers

- 7.0 Assessment of the Child and Family
 - 7.1 Communication and health assessment of the child and family
 - 7.2 Physical and developmental assessment of the child
 - 7.3 Health promotion and special health problems
 - 7.4 The infant and family
 - 7.5 The toddler and family
 - 7.6 The preschooler and family
 - 7.7 The school-age child and family
 - 7.8 The adolescent and family

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- 8.0 Special Needs, Illness, and Hospitalization
 - 8.1 Chronic illness, disability and end-of-life care
 - 8.1.1 Perspectives on the care of children with special needs
 - 8.1.2 The family of the child with special needs
 - 8.1.3 The child with special needs
 - 8.1.4 Nursing care of the family and child with special needs
 - 8.2 Cognitive and sensory impairment
 - 8.2.1 Cognitive impairment
 - 8.2.2 Nursing care of children with cognitive impairment
 - 8.2.3 Sensory Impairment
 - 8.2.3.1 Autism
 - 8.2.3.2 Down's Syndrome
 - 8.3 Reaction to illness and hospitalization
 - 8.3.1 Stressors of hospitalization and children's reactions
 - 8.3.2 Nursing care of the child who is hospitalized
 - 8.4 Pediatric variation of nursing interventions
- 9.0 Health Problems of Children
 - 9.1 Respiratory dysfunction
 - 9.1.1 Respiratory infection
 - 9.1.2 Upper respiratory tract infections
 - 9.1.3 Croup Syndromes
 - 9.1.4 Infections of the lower airways
 - 9.1.5 Other infections of the respiratory tract
 - 9.1.6 Pulmonary dysfunction caused by noninfectious irritants
 - 9.1.7 Long-term respiratory dysfunction
 - 9.2 Gastrointestinal dysfunction
 - 9.2.1 Nutritional disturbances
 - 9.2.2 Protein and energy malnutrition
 - 9.2.3 Food sensitivity
 - 9.2.4 Gastrointestinal dysfunction
 - 9.2.5 Disorders of motility
 - 9.2.6 Intestinal parasitic diseases
 - 9.2.7 Structural defects
 - 9.2.7.1 Cleft lip
 - 9.2.7.2 Cleft palate
 - 9.2.8 Obstructive disorders
 - 9.2.9 Ingestion of injurious agents/lead poisoning
 - 9.3 Cardiovascular dysfunction
 - 9.3.1 Congenital heart disease
 - 9.3.2 Clinical consequences of congenital heart disease
 - 9.3.3 Vascular dysfunction/Kawasaki disease

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- 9.4 Hematologic and immunologic dysfunction and defects in hemostasis/hemophilia
- 9.5 Genitourinary dysfunction/miscellaneous renal disorders
- 9.6 Cerebral dysfunction
 - 9.6.1 Seizure disorders
 - 9.6.2 Cerebral malformations
- 9.7 Endocrine dysfunctions/disorders of pancreatic hormone function
- 9.8 Musculoskeletal or articular dysfunction
 - 9.8.1 Traumatic injury
 - 9.8.2 Developmental dysplasia of the hip
 - 9.8.3 Congenital defects
 - 9.8.4 Clubfoot
- 9.9 Acquired defects
 - 9.9.1 Disorders of joints
 - 9.9.2 Juvenile rheumatoid arthritis
- 9.10 Neuromuscular or muscular dysfunction
 - 9.10.1 Congenital neuromuscular or muscular disorders
 - 9.10.2 Acquired neuromuscular disorders
 - 9.10.3 Tetanus

8. Instructional Goals

This course will introduce students to:

- 1.0 The underlying principles of normal pregnancy;
- 2.0 Basic information that is essential to the delivery of safe, culturally sensitive, comprehensive, and holistic nursing care to mothers, children and the families during labor and delivery;
- 3.0 Effective nursing care of the mother during the postpartum period;
- 4.0 Optimum health and development of newborn infants;
- 5.0 The principles of growth and development and family dynamics that are needed to function in the role of a pediatric nurse;
- 6.0 The nursing assessment skills for assessing children and families;
- 7.0 Methods for promoting health in children;
- 8.0 The principles involved in providing effective nursing care for a child receiving clinic or inpatient health care services;

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- 9.0 Effective nursing care for children experiencing simple and common illnesses; and
- 10.0 The principles involved in providing effective nursing care for a child receiving health care services in the home.

9. Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1.0 Integrate knowledge of the cultural, sociological, spiritual, biological, and psychological principles involved when caring for the pregnant woman;
- 2.0 Assess, diagnose, plan, implement and evaluate the priorities and responsibilities needed to function effectively and safely in the delivery room and obstetrical unit;
- 3.0 Provide safe and appropriate nursing care to postpartum patients;
- 4.0 Utilize the nursing process when caring for the newborn;
- 5.0 Apply the nursing process to meet the safety, physical, and psychosocial needs of individual pediatric patients, including implementing a plan of care to minimize separation, loss of control, and pain experienced by the child in the acute care setting;
- 6.0 Perform appropriate nursing assessments of pediatric patients and families needed to provide nursing care;
- 7.0 Develop teaching care plans and instruct pediatric clients and parents prior to discharge from the hospital for a culturally diverse population of client families to promote regaining and maintaining health;
- 8.0 Demonstrate competency in administering medications, and in performing pediatric nursing treatments and procedures, including the implementation of universal precautions;
- 9.0 Provide safe and appropriate nursing care for children experiencing simple and common illnesses; and
- 10.0 Participates in multidisciplinary team conference to assist nursing staff in identifying problems and writing care plans in caring for

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mothers, infants, and children while in the hospital until discharge home.

10. Assessment Measures

Assessment of student learning may include, but not be limited to, the following:

- 1.0 Demonstration of knowledge in course content by successfully completing quizzes, examinations, case studies, nursing care plans, written assignments and computer assignments;
- 2.0 Practice nursing skills in the skills lab and give acceptable return demonstrations without assistance before student can perform those skills in the clinical setting;
- 3.0 Students are expected to obtain client information on their assigned patients/clients and be thoroughly prepared for the clinical experience prior to providing care. The student's clinical evaluations are based on knowledge, skill and behavioral criteria. An unsatisfactory evaluation in clinical component automatically constitutes a failure in this course;
- 4.0 The clinical component of the course is graded on a grade percentages described under Method of Evaluation;
- 5.0 Attendance: There is limited amount of absenteeism one may have and still successfully complete the course. When students miss a day, they will be required to do an assignment to make up for material taught on that day; and
- 6.0 The student must attain a grade of "C" or higher which is 75% or higher in both theory and clinical in order to pass the course.