

BERGEN COMMUNITY COLLEGE
DIVISION OF HEALTH PROFESSIONS
DEPARTMENT OF NURSING

NUR 284

LEVEL III

MATERNAL/CHILD HEALTH NURSING

COURSE OUTLINE

5 CREDITS

LECTURE: 6 HOURS PER WEEK

CLINICAL: 10 HOURS PER WEEK
CLINICAL CONFERENCE: 2 HOURS PER WEEK

FOR USE DURING THE FALL 2010 and
SPRING 2011 SEMESTERS ONLY

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ALL POLICIES AND COURSE REQUIREMENTS ARE SUBJECT TO REVISION ON A SEMESTER BY SEMESTER BASIS. STUDENTS WILL BE NOTIFIED OF ANY REVISION(S) AT THE BEGINNING OF THE SEMESTER IN WHICH THE POLICY OR REQUIREMENTS IS/ARE TO BE IMPLEMENTED, DURING THE FIRST MEETING OF THE APPROPRIATE NURSING CLASS.

COURSE DESCRIPTION

NUR-284, Maternal-Child Health Nursing is a third level course in the nursing sequence which focuses on family units, reproduction, childbearing, and the health care needs of infants, children and adolescents, to meet universal self-care requisites. Students will use the nursing process in a variety of health care settings to assist individual families and groups achieve optimum health.

6 lec., 12 lab, 7.5 weeks, 5 credits.

PREREQUISITES: NUR-281 and NUR-282

CO-REQUISITES: BIO-104, SOC-101, and NUR-285

NUR 284 - COURSE LEARNING OUTCOMES

1. Applies Orem's Self Care model of Nursing Practice to provide care to women, children, and families during childbearing/child-rearing periods.
2. Incorporates principles of growth and development in the nursing care of childbearing women, newborn infants, children and families.
3. Uses appropriate professional communication when interacting with childbearing women, children and families.
4. Integrates biological, psychological, sociological, cultural, spiritual, and economic factors that influence the health of childbearing women, children and families in the plan of care.
5. Incorporates goals and activities that promote the student's personal, professional, and educational development.
6. Adheres to professional, ethical, and legal standards effecting nursing practice in the current health care environment, when providing care to childbearing women, children and families.
7. Integrates a variety of technological resources when providing care to childbearing women, children and families.
8. Demonstrates critical thinking by reasoning, analyzing, synthesizing and evaluating information from which conclusions are drawn and problems are solved when caring for childbearing women, children and families.
9. Utilizes pharmacological concepts in the clinical and classroom setting to correctly calculate drug and solution problems for childbearing women and children. Passes the Level III Pharmacological Math Computation Exam (PMCE) with a score of 80% or higher.
10. Incorporates principles of teaching and learning in the care of childbearing women, children and families.

TEACHING/LEARNING ACTIVITIES

Lecture
Group Discussion
Audio-Visual Aids
Computer-Assisted Instruction
Critical Thinking Exercises
Case Studies
Assigned and Self-Directed Readings
Clinical Experience: In-patient and community maternal-child facilities
Meti-Man Instruction/Simulation
www.fadavis.com/alternate format questions

LEVEL REQUIREMENT

Passing a Pharmacological Math Computation Exam (PMCE) with a score of 80% is a level requirement. The PMCE will be given in the first course of each level. If the student does not attain the required 80% passing grade, he/she will be provided two retake opportunities within the confines of that course. Failure to achieve an 80% in the PMCE will result in an "F" for the course in which the test was administered. Calculators may be used at Level III.

COURSE REQUIREMENTS AND EVALUATION

- Satisfactory completion of **two nursing care plans (one maternal and one pediatric)**.
- Satisfactory completion of six nursing assessments:
 - a) One Newborn Assessment
 - b) One Postpartum Assessment
 - c) One Pediatric Assessment
 - d) One Family Assessment
 - e) One L&D Assessment
 - f) Antepartal Case Study
- Satisfactory participation and/or presentation in clinical conference.
- Satisfactory completion of required CAI and video assignments.

COURSE EVALUATION

| | | | |
|----|---------------|----------------------|--|
| A. | Theory grade: | Two unit tests worth | 60% |
| | | One Final Exam worth | 35% |
| | | Special Project | <u>5%</u> (see student course agreement) |
| | | Total | 100% |

A grade of 75% is required for passing theory portion of course.

- B. In order to pass clinical, the final grade must reflect an average of **3.0 (75%)** or greater on all areas of the clinical evaluation. A student who receives a cumulative grade of less than **3.0 (75%)** on all areas will not pass the clinical component and will receive a final grade of "F" in the clinical nursing course regardless of the theory grade. Attendance is a part of the scoring of the clinical grade. In the category regarding professional behaviors, the following rules apply:
1. No absences = rating of 4
 2. One absence = rating of 3
 3. Two absences = rating of 2 and a make-up assignment
 4. Three absences = rating of 1 and failure of course

Exceptional circumstances for clinical absences may be reviewed by the clinical instructor, team and Program Director at the request of the student.

- C. Student must receive a theory grade of 75% and a Pass on the Evaluation of Clinical Performance Record in order to pass the course.

| | | |
|----|---|-----------------|
| A | = | 89.5% and above |
| B+ | = | 84.5 to 89.4% |
| B | = | 79.5% to 84.4% |
| C+ | = | 74.5% to 79.4% |
| F | = | 74.4% and below |

A failure in theory, clinical, or Pharmacological Math Computation Exam will result in an "F" grade for the course

NUR 284 Student Course Agreement

I have read and understood **ALL** clinical and class requirements for NUR 284 as set forth in the syllabus. In particular, I have been informed of the following policy to obtain a passing grade in NUR 284.

Theory Grade – The theory grade will consist of (1) Family Assessment Project, and (3) objective tests. **In order to pass the course, the cumulative average of the 3 test grades must be 75% “C+” or greater.** The Family Assessment Project grade will be computed only if a passing grade is achieved on the objective tests.

Name (Please Print): _____

Signature: _____

Date: _____

REQUIRED TEXT

Ward, Susan, L., and Hisley, Shelton, M. Maternal-Child Nursing Care, 2009, F.A. Davis Company

Lutz and Przytalski, Nutrition and Diet Therapy, FA Davis, 5th Edition 2010.

Theoretical Content

UNIT 1 - USCR Normalcy

- A. Contemporary Maternity Nursing for Nursing Care of Childbearing Families
1. Family Dynamics
 2. Cultural Influences
 3. Statistical Trends
 4. The Role of the Nurse
 5. Ethical and Legal Issues

- B. Newborn- Adaptation and Assessment

- C. Reproduction
1. Family Planning

- D. Contemporary Pediatric Nursing for Nursing Care of Childrearing Families
1. The Developing Child
 2. Growth & Development
 3. Communicating with Children

- E. Nursing Interventions for Self-Care Deviations
1. Pediatric Assessment
 2. The Hospitalized Child
 3. Nursing Care of Children

UNIT II - USCR- FOOD

- A. Nutrition of Newborn
1. Breast Feeding
 2. Bottle Feeding
- B. Nursing Care of Children with Deviations Of USCR for Food
1. Failure to Thrive
 2. Childhood Obesity
 3. Cleft Lip and Palate
 4. TEF
 5. GE Reflux
 6. Pyloric Stenosis
 7. Celiac Disease
 8. DM In Children

Teaching/Learning Activities

Read: Ward & Hisley, Chapters 1, 2, 3

Read: Ward & Hisley, Chapters 17, 18

Video:

RJ253P47 1986 Physical Assessment of the Normal Newborn

RJ253.G47 1991 Gestational Age Assessment Newborn Assessment Guide

Read Chapter 5, 6

Read: Ward & Hisley, Chapters 20, 22
Lutz, Chapter 11

Bonus Chapter: Growth and Development
www.fadavis.com

Complete worksheet on G&D or a DDST II

Video:

RJ50.P4 1996 part 1, 2 & 3 – Pediatric Assessment

RJ131.G72 1996 – Growth & Development

Read: Ward & Hisley, Chapters, 21, 22

Video: RJ560.P42 1998

"Pediatric Medication Administration"

#1 Principles and Calculations

#2 Oral Medications

#3 Parenteral Medications

Read: Ward & Hisley, Chapter 15, 18
Lutz, Chapter 10

Video: RJ216.C55 1999 – "The Clinical Management of Breastfeeding for Health Care Professionals"

Read: Ward & Hisley, Chapter 23, 25

Theoretical Content

UNIT III – USCR - WATER

- A. Postpartum physiological adaptation
- B. Post Partum Psychosocial Adaptations
 - 1. Bonding
 - 2. Blues
 - 3. Depression
- C. Deviations from the Expected Norms
 - 1. Lacerations
 - 2. Hemorrhage
 - 3. Perineal Hematoma
 - 4. Subinvolution
 - 5. Infection
 - 6. Thrombophlebitis
- D. Nursing Care of Children with Deviations of USCR for Fluids
 - 1. Dehydration
 - 2. Over Hydration
 - 3. Cardiac-Vascular Deficits
 - a. Cyanotic- Tetralogy of Fallot
 - b. Acyanotic- PDA, ASD, VSD, Coarctation of the Aorta
 - c. Mixed- Transposition of Great Vessels
 - 4. Kawasaki Disease
 - 5. Rheumatic Fever
 - 6. Sickle Cell Disease
 - 7. Beta-Thalassemia
 - 8. Hemophilia

UNIT IV - USCR- ELIMINATION

- A. Nursing Care of Children with Deviation from USCR for Elimination
 - 1. Intussusception
 - 2. Hirshprung
 - 3. Anal-Rectal Deformities
 - 4. Hypospadias, Epispadias
 - 5. Nephritis and Nephrosis
 - 6. Pinworms
 - 7. Acute Gastroenteritis
 - 8. UTI
 - 9. Vesicourteral Reflux

Teaching/Learning Activities

Read: Ward & Hisley, Chapters 15, 16

View: RG951.C76 1992pt.3 Post Partum Care
Post Partum Nursing Care Plan
Post-Partum Assessment

Read: Ward & Hisley, Chapters 27, 33

Read: Ward & Hisley, Chapters 25, 31, 32

Theoretical Content

Teaching/Learning Activities

UNIT V - USCR -AIR

- A. Nursing Care During Childbirth
1. The Process of Birth
 2. Nursing Care During Labor and Birth
 3. Intrapartum Fetal Monitoring
 4. Pain Management during Childbirth
 5. Nursing Care during Obstetric Procedures
 6. Intrapartum Complications
 7. Pre-term Labor
- B. Nursing Care of Children with Deviations of USCR for Air
1. T & A
 2. Otis Media
 3. Croup
 4. Foreign Body
 5. SIDS
 6. Cystic Fibrosis
 7. RSV, Bronchiolitis
 8. Asthma (Reactive Airway Disease)
 9. Strep Pharyngitis

Read: Ward & Hisley, Chapters 12, 13, 14

Computer Program:
PDS - Clinical Ed Software: Normal Pregnancy
Care During Labor and Delivery (S-354 & B-307)

Read: Ward & Hisley, Chapter 24

UNIT VI - USCR- REST AND ACTIVITY

- A. Nursing Care of the Family Before Birth
1. Conception and Prenatal Development
 2. Infertility
 3. Physiologic Adaptations to Pregnancy
 4. Psychological Adaptations to Pregnancy
 5. Nutrition for Childbearing
 6. Fetal Diagnostic Tests
 7. Education for Childbearing
- B. Nursing Care of Children with Deviations of USCR for Rest and Activity
1. Congenital Hip
 2. Club Foot
 3. Hydrocephalus
 4. Spina Bifida
 5. Scoliosis
 6. Cerebral Palsy
 7. Febrile Seizures

Read: Ward & Hisley, Chapters 5, 6, 7, 8, 9, 10
Lutz, Chapter 10

Computer Program:
PDS Clinical Ed Software: Normal Pregnancy:
Prenatal Care (S-354 & B-307)

Pre-natal Case Study Analysis

Read: Ward & Hisley, Chapters 29, 30

Theoretical Content

Teaching/Learning Activities

UNIT V II - USCR- HAZARDS

A. Nursing Care of Mothers/Newborns with Special Needs

1. Mothers
 - a. Pregnancy loss
 - b. Hyperemesis
 - c. Hemorrhagic conditions
 - d. Hypertensive conditions
 - e. HELLP Syndrome
 - f. Diabetes in pregnancy
 - g. HIV/Substance abuse
 - h. Hydatidiform mole
 - i. Rh incompatibility
 - j. Cardiac conditions
 - k. Adolescent pregnancy
2. Maternal and Newborn Infections
 - a. TORCH
 - b. Other infections
3. Newborn Complications
 - a. Premature complications
 - b. Hyperbilirubinemia
 - c. Drug exposure/fetal alcohol syndrome
 - d. Diabetic newborn

B. Nursing Care of Children with Deviation from USCR – Hazards

1. Poisoning – Lead, Ingested Agents
2. Communicable Diseases
3. Cognitive/Sensory Deficits
4. Chronic & Terminal Illness

Read: Ward & Hisley, Chapters 11, 16

Computer Program:

PDS Clinical Educator Software: "Problems of Pregnancy" (S-354 & B-307)

Video: RG576.P74 1992

Modern Obstetrics: Pre-Eclampsia-Eclampsia (Library Media)

RG580.D5 D53 1988 (Library Media)

Diabetes in Pregnancy: Caring for the Childbearing Woman

Read: Ward & Hisley, Chapter 19

Video: RG 629. F45 F47 1992 - Fetal Alcohol Syndrome and Other Drug Use During Pregnancy (Library Media)

Read: Ward & Hisley, Chapters 17, 19

Read: Ward & Hisley, Chapters 21, 29, 35

Video: RJ47.5D95 1995 – The Dying Child

Clinical experience will encompass student participation in the following, when possible:

1. Providing assessment and care for Post-Partum Mothers after vaginal and/or C.S. deliveries
2. Assisting mothers with breast or bottle feeding.
3. Providing assessment and routine care for newborns.
4. Observing registered nurse in assessment and care of mother in labor.
5. Observing in prenatal settings.
6. Caring for the hospitalized child.

AUDIO-VISUAL MATERIALS (MATERNITY)

The following is a list of AV AND CAI materials which will assist you during your study of Maternity/Child Nursing. Try to view as many of them as possible. This does not represent a complete listing of our library holdings. Check the library holdings under subject area for other available material. All computer programs are available in the Allied Health/Nursing Computer Lab (B-307), in Room S-354 and in Library.

REQUIRED VIEWING

FETAL GROWTH AND DEVELOPMENT

- RG629.F45F47 1992 - Fetal Alcohol Syndrome and Other Drug Use During Pregnancy (video)
RG525.H86 1992 - Human Development: Reducing Risk Factors (3 videos)

PRENATAL

- RG951.C76 1992pt.1 - Ante-Partum Care (video)
RG556.5I56 1993 - Ignoring the Risks - Teenage Pregnancy and AIDS (video)
RG951.A3 1992 - Family/Child Care: Providing for Prenatal Care (video)
RG951.L57 2006 v.1 - Prenatal Care Vol. 1 (video)
HV5824.W6C79 1990 - A Cry for Help: the Fetal Drug and Alcohol Crisis (helping Addicted Mothers) (video)
"Counseling Clients Who Have Trouble Conceiving," (Teacher Reserve)
"Counseling Clients Who Have Difficulty Getting Pregnant Again" (Teacher Reserve)

LABOR & DELIVERY

- RG628.3H42C4 1996 - Essentials of Electronic Fetal Monitoring - Vol. I and II (videos)
RG951.L57 2006 - Labor & Delivery Vol. 2 (video)
RG951.L57 2006 - Cesarean Delivery Vol. 3 (video)

NEWBORN

- RJ253.P47 1986 - Physical Assessment of the Normal Newborn (Media Center-Library) (video)
RJ253.G4 1991 - Gestational Age Assessment (Media Center-Library) (video)

BREASTFEEDING

- RJ216.C55 1999 Volume I and II "The Clinical Management of Breastfeeding for Health Care Professionals" (Media Center-Library) (video)

POSTPARTUM

- RG951.C76 1992pt.3 - Postpartum Care (Media Center-Library) (video)

COMPLICATIONS

- RG580.D5D6 1987 - Diabetes and Pregnancy (Media Center-Library) (video)
RG580.D5D53 1988 - Diabetes in Pregnancy: Caring for the Childbearing Woman (Media Center-Library) (video)

PEDIATRICS

- RJ131-G72 - Growth & development (video)
RJ131.0434 - Denver Training video
RJ47.5.D95 1990 - The Dying Child (video)
RJ58.MED 2007 - Medicating Children

PDS Clinical Ed Software - Problems of Pregnancy (S-354 & B-307) (CAI)

"Counseling Clients Who Have Trouble Getting Pregnant Again," (Media Center – Library)

"Counseling Clients Who Have Trouble Conceiving," (Media Center – Library)