

Virginia Western Community College

PNE 136

Care of Maternal, Newborn, and Pediatric Patients

Prerequisites

Admission to the Practical Nursing Program

VWCC Course Description

Uses a family-centered approach; studies normal and common complications in pregnancy, childbirth, post-partum, the neonate, and children through adolescence. Covers milestones in all aspects of growth and development and common childhood disorders at various ages.

Semester Credits: 4

Lecture Hours: 4

Required Materials

Laptop Computer, WiFi access, Elsevier Evolve Course Resources

Required Textbook

Gosnell, K.C. K. (2025). Leifer's Introduction to Maternity and Pediatric Nursing (10th ed.). Elsevier Health Sciences (US).

<https://pageburstls.elsevier.com/books/9780443261404>

Reference Materials:

B., B. F., Terry, T., T., P. K., & L., W. P. (2024). Structure & Function of the Body (17th ed.). Elsevier - Evolve. <https://pageburstls.elsevier.com/books/9780323871754>

Giddens, J. F. ([Insert Year of Publication]). Concepts for Nursing Practice (4th ed.). Elsevier - Evolve. <https://pageburstls.elsevier.com/books/9780323812085>

Michelle J. Willihnganz, Samuel L. Gurevitz, (2026) Clayton's Basic Pharmacology for Nurses; (20th Ed.), Elsevier, St. Louis, ISBN: 780443126994

Morris, Deborah C., (2022). Calculate with Confidence, (8th Ed.), Elsevier, St. Louis ISBN: 978-0-323-69695-1

Stromberg, Holly K., (2023.) Medical-Surgical Nursing Concepts and Practices, (5th Ed.), Elsevier, St. Louis, ISBN: 978-1-975155-34-6

Williams, Patricia, (2022) Fundamentals Concepts and Skills for Nursing (6th Ed.), Elsevier, St. Louis, ISBN: 9780323873642

VWCC AND DISCIPLINE SPECIFIC OUTCOMES

Course Objectives: Maternal Health

After completion of the course the student will be able to:

Safety:

Describe fetal development and maturation of body systems
Describe the development and functions of the placenta, umbilical cord, and amniotic fluid.
Describe the normal course of pregnancy and the purpose of prenatal care.
Identify fetal and maternal complications that may occur during pregnancy.

Patient Centered Care:

Determine appropriate nursing care for the intrapartum client.
Describe factors that influence a woman's comfort during labor.
Discuss common interventions for the woman experiencing pain associated with labor.
Explain common nursing responsibilities during the birth.

Critical Thinking:

Explain the functions of the external, internal, and accessory female organs in human reproduction.
Describe the influence of hormones in the female reproductive process.
Describe embryonic development.

Teamwork:

Discuss common interventions for the woman experiencing pain associated with labor.
Explain common nursing responsibilities during birth.
Discuss common complications during labor and birth, the common interventions, and nursing responsibilities for each.

Evidence-Based Practice:

Describe the four components of the birth process.
Explain the normal processes of childbirth: premonitory signs, mechanisms of birth, and stages and phases of labor.
Determine appropriate nursing care for the intrapartum client.
Describe factors that influence a woman's comfort during labor.
Determine nursing care of the mother during the immediate post birth period.

Informatics- Consistently document care provided to patients in the medical record either electronically or other format, to improve communication of status in a fashion that can be uniformly recognized in specific facilities.

Culture – Recognize the individuality of culture in each patient assigned and provide culturally appropriate care and support.

- **Note to Instructors**
- [Add Note to Instructors Here]

VWCC AND DISCIPLINE SPECIFIC TOPICAL DESCRIPTIONS

Course Outline

I. Unit 1: An Overview of Maternity and Pediatric Nursing

- A. Ch. 2. The Nurse's Role in Women's Health Care
 - 1. Goals of Healthy People 2030
 - 2. Preventive Health Care for Females
 - 3. Menstrual Disorders
 - 4. The Normal Vagina
 - 5. Gynecological Infections
 - 6. Family Planning
 - 7. Menopause

II. Unit 2: Maternal -newborn nursing and Women's Health

- A. Ch. 3. Human Reproductive Anatomy and Physiology
 - 1. Puberty
 - 2. Reproductive Systems
 - 3. The Human Sexual Response
- B. Ch. 4. Fetal Development
 - 1. Cell Division and Gametogenesis
 - 2. Fertilization
 - 3. Development
 - 4. Accessory Structures of Pregnancy
 - 5. Fetal Circulation
 - 6. Fetal Programming of Adult Health
 - 7. Multifetal Pregnancy
- C. Ch. 5. Prenatal Care and Adaptations to Pregnancy
 - 1. Goals of Prenatal Care
 - 2. Preconception Care and Interconceptual Care
 - 3. Prenatal Visits
 - 4. Definition of Terms
 - 5. Determining the Estimated Date of Delivery
 - 6. Diagnosis of Pregnancy
 - 7. Physiological Changes in Pregnancy
 - 8. Nutrition for Pregnancy and Lactation
 - 9. Exercise During Pregnancy
 - 10. Smoking During Pregnancy
 - 11. Travel During Pregnancy
 - 12. Common Discomforts in Pregnancy
 - 13. Psychosocial Adaptation to Pregnancy
 - 14. Prenatal Education
 - 15. Effect of Pregnancy and Lactation on Medication Metabolism
 - 16. Immunizations During Pregnancy
 - 17. Nursing Care During Pregnancy

- D. Ch. 6. Nursing Care of Women With Complications During Pregnancy
 - 1. Assessment of Fetal Health
 - 2. Pregnancy-Related Complications
 - 3. Pregnancy Complicated by Medical Conditions
 - 4. Environmental Hazards During Pregnancy
 - 5. Effects of a High-Risk Pregnancy on the Family
- E. Ch. 7. Nursing Care of Mother and Infant During Labor and Birth
 - 1. Cultural Influence on Birth Practices
 - 2. Settings for Childbirth
 - 3. Components of the Birth Process
 - 4. Normal Childbirth
 - 5. Admission to the Hospital or Birth Center
 - 6. Nursing Care of the Female in False Labor
 - 7. Nursing Care Before Birth
 - 8. Stages and Phases of Labor
 - 9. Vaginal Birth After Cesarean
 - 10. Nursing Care During Birth
 - 11. Nursing Care Immediately After Birth
 - 12. Core Blood Banking
 - 13. Microbiomes and Nursing Care During Labor and Delivery
- F. Ch. 8. Nursing Management of Pain During Labor and Birth
 - 1. Education for Childbearing
- G. Ch. 9. Nursing Care of Women With Complications During Labor and Birth
 - 1. Obstetric Procedures
 - 2. Abnormal Labor
 - 3. Premature Rupture of Membranes
 - 4. Preterm Labor
 - 5. Prolonged Pregnancy
 - 6. Emergencies During Childbirth
- H. Ch. 10. The Family After Birth
 - 1. Adapting Nursing Care for Specific Groups and Cultures
 - 2. Cultural Influences on Postpartum Care
 - 3. Postpartum Changes in the Mother
 - 4. Emotional Care
 - 5. Parenthood
 - 6. The Family Care Plan
- I. Ch. 11. Nursing Care of Women With Complications After Birth
 - 1. Shock
 - 2. Hemorrhage
 - 3. Thromboembolic Disorders
 - 4. Infections
 - 5. Mood Disorders
 - 6. The Homeless Mother and Newborn
- J. Ch. 12. The Term Newborn
 - 1. Adjustment to Extrauterine Life
 - 2. Phase 3: Care of the Newborn

- K. Ch. 13. Preterm and Postterm Newborns
 - 1. The Periviable Newborn
 - 2. The Preterm Newborn
 - 3. The Postterm Newborn
 - 4. Transporting the High-Risk Newborn
 - 5. Discharge of the High-Risk (Preterm Newborn) Newborn
- L. Ch. 14. The Newborn With a Perinatal Injury or Congenital Malformation
 - 1. Malformations Present at Birth
 - 2. Metabolic Defects
 - 3. Chromosomal Abnormalities
 - 4. Perinatal Injuries
 - 5. Infant of a Diabetic Mother

III. Unit 3: The Growing Child and Family

- A. Ch. 15. An Overview of Growth, Development, and Nutrition
 - 1. Growth and Development
 - 2. Nutrition
 - 3. Play
 - 4. Traveling With Children
 - 5. Ongoing Health Supervision
- B. Ch. 16. The Infant
 - 1. Genetal Characteristics
 - 2. Development and Care
 - 3. Community-Based Care: A Multidisciplinary Team
 - 4. Illness Prevention
 - 5. Infant Safety
 - 6. Summary of a Major Developmental Changes in the First Year
- C. Ch. 17. The Toddler
 - 1. General Characteristics
 - 2. Guidance and Discipline
 - 3. Toilet Independence
 - 4. Daily Care
 - 5. Nutrition Counseling
 - 6. Day Care
 - 7. Injury Prevention
 - 8. Toys and Play
- D. Ch. 18. The Preschool Child
 - 1. General Characteristics
 - 2. Physical, Mental, Emotional, and Social Development
 - 3. Guidance
 - 4. Preschool
 - 5. Daily Care
 - 6. Accident Prevention
 - 7. Play During Health and Illness
 - 8. Nursing Implications of Preschool Growth and Development
- E. Ch. 19. The School-Age Child
 - 1. General Characteristics
 - 2. Physical Growth
 - 3. Sexual Development

4. Influences From the Wider World
5. Play
6. Latchkey Children
7. Physical, Mental, Emotional, and Social Development
8. Guidance and Health Supervision
- F. Ch. 20. The Adolescent
 1. General Characteristics
 2. Growth and Development
 3. Parenting the Adolescent
 4. Health Promotion and Guidance
 5. Common Problems of Adolescence
 6. The Nursing Approach to Adolescents

IV. Unit 4: Adapting Care To The Pediatric Patient

- A. Ch. 21. The Child's Experience of Hospitalization
 1. Healthcare Delivery Settings
 2. The Child's Reaction to Hospitalization
 3. The Parents' Reaction to the Child's Hospitalization
 4. The Nurses' Role in the Child's Hospitalization
 5. Home Care
- B. Ch. 22. Health Care Adaptations for the Child and Family
 1. Admission to the Pediatric Unit
 2. Data Collection, Observation, and Recording
 3. Physiological Responses to Medications in Infants and Children
 4. Nursing Responsibilities in Administering Medications to Infants and Children
 5. Selected Procedures and Their Adaptation to Children
 6. Sexuality and Gender Across the Lifespan
 7. Sexuality in Health Care
- C. Ch. 23. Complementary and Alternative Therapies in Maternity and Pediatric Nursing
 1. Complementary and Alternative Therapies

V. Unit 5: The Child Needing Nursing Care

- A. Ch. 24. The Child With a Sensory or Neurological Condition
 1. The Ears
 2. The Eyes
 3. The Nervous System
- B. Ch. 25. The Child With a Musculoskeletal Condition
 1. Musculoskeletal System
 2. Musculoskeletal System: Differences Between the Child and the Adult
 3. Observation and Assessment of the Musculoskeletal System in the Growing Child
 4. Pediatric Trauma
 5. Disorders and Dysfunction of the Musculoskeletal System
 6. Family Violence
 7. Child Abuse
- C. Ch. 26. The Child With a Respiratory Disorder
 1. The Respiratory System

- D.** Ch. 27. The Child With a Cardiovascular Disorder
 - 1. The Cardiovascular System
- E.** Ch. 28. The Child With a Condition of the Blood, Blood-Forming Organs, or Lymphatic System
 - 1. Hematological System
 - 2. Anemias
 - 3. Bleeding Disorders
 - 4. Disorders of White Blood Cells
 - 5. Nursing Care of the Chronically Ill Child
 - 6. Nursing Care of the Dying Child
- F.** Ch. 29. The Child With a Gastrointestinal Condition
 - 1. The Gastrointestinal Tract
 - 2. Disorders and Dysfunction of the Gastrointestinal Tract
- G.** Ch. 30. The Child With a Gastrointestinal Condition
 - 1. Development of the Urinary Tract
 - 2. Development of the Reproductive System
 - 3. Assessment of Urinary Function
 - 4. Impact of Urinary or Genital Surgery on Growth and Development
- H.** Ch. 31. The Child With a Skin Condition
 - 1. Skin Development and Functions
 - 2. Skin Disorders and Variations
 - 3. Nursing Care of the Burned Child
 - 4. Frostbite
- I.** Ch. 32. The Child With a Metabolic Condition
 - 1. Integration of the Nervous and Endocrine Systems
 - 2. Disorders and Dysfunction of the Endocrine System
- J.** Ch. 33. The Child With a Communicable Disease and Immune Response
 - 1. Introduction
 - 2. Common Childhood Communicable Diseases
 - 3. Review of Terms
 - 4. Host Resistance
 - 5. Medical Asepsis, Standard Precautions, and Transmission-Based Precautions
 - 6. Rashes
 - 7. Worldwide Immunization Programs
 - 8. The Future of Immunotherapy
 - 9. Bioterrorism, Disasters, and the Maternal-Child Patient
 - 10. Sexually Transmitted Infections

[TITLE IX STATEMENT](#)

[ADA STATEMENT](#)