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| **COURSE TITLE:** | **MATERNAL CHILD HEALTH** | **30 - Obstetrics** |  |
| **PLACEMENT:** | **LEVEL II** | **20 - Pediatrics** |  |
| **TOTAL HOURS:** | **65 HOURS** | **15 - Growth and Development** |  |
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| **Course Description:** | **This course consists of the theory and clinical experience in giving nursing care to mothers and newborn** | | |
|  | **infants in the normal and complicated processes of pregnancy, labor, delivery, and postpartum. Nursing** | | |
|  | **care of children with simple to complex disorders from infancy to adolescence is studied. Emphasis of** | | |
|  | **normal growth and development is integrated with nutritional requirements, dietary modifications, and** | | |
|  | **medications as applied to maternal and child care.** | |  |
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| **Methods of Instruction:** | **To implement the program, the instructor will utilize the following methods of instruction:** | | |
|  | **1. Lecture and Discussion** |  |  |
|  | **2. Audio-visual aids** |  |  |
|  | **3. Use of smartboard, bulletin board, and easel** | |  |
|  | **4. Assignments of related readings and discussion.** |  |  |
|  | **5. Computer-based assignments/Internet access** | |  |
|  |  |  |  |
| **Methods of Evaluation:** | **1. Class participation** |  |  |
|  | **2. Written assignments** |  |  |
|  | **3. Quizzes** |  |  |
|  | **4. Examinations - satisfactory achievement on all examinations (83%)** | |  |
|  | **5. Achievement of the course objectives** |  |  |
|  | **6. Student evaluation of course** | |  |
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| **Texts:** | **Leifer: "Introduction to Maternity and Pediatric Nursing", Elsevier, 8th Edition, 2019** | | |
|  | **Timby: "Fundamentals of Nursing Skills and Concepts", Lippincott, 12th Edition 2021** | | |
|  | **Lutz: "Nutrition and Diet Therapy", F.A. Davis. 7th Edition, 2019** | |  |
|  |  | | |
| **References:** |  | | |
|  | **Linton; "Introduction to Medical Surgical Nursing", Elsevier, 7th Edition 2020** | | |
|  | **USDA My Pyramid.gov @ www.mypyramid.gov** |  |  |
|  | **Taber's Cyclopedic Medical Dictionary; F. A. Davis, 24th Edition, 2020** | |  |
|  | **Olsen, Medical Dosage Calculations, Pearson, 11th Edition, 2016** | |  |
|  | **Hopkins, LabNotes, FA Davis, 3rd Edition, 2015** | |  |
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|  | **Discuss the anatomy of the female reproductive system.** | |  |
| **Objectives:** | 1. **Describe fetal development and the maturation of body systems.** | |  |
|  | 1. **Differentiate among the presumptive, probable and positive signs of pregnancy.** | | |
|  | 1. **Identify complications of pregnancy and after birth.** | | |
|  | 1. **Describe the four components of the birthing process.** | | |
|  | 1. **Identify the stages of labor.** | | |
|  | 1. **Discuss care of the newborn.** | | |
|  | 1. **Identify healthcare adaptations for children family.** | |  |
|  | 1. **Discuss respiratory, cardiovascular, neurologic, musculoskeletal, GI, GU, and skin disorders f pediatric patients.** | | |
|  | 1. **Identify stages of development from infant to adolescents.** |  |  |
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| **Grading for Maternal Child Health** | | **50%** |  |
| **Obstetrics** |  | **30%** |  |
| **Pediatrics** |  | **20%** |  |
| **Growth and Development** |  | **100%** |  |
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| **Maternal Child Health – Obstetrics – 30 Hours** | | | |
| **Unit/Chapter Objectives** | **Chapter Content** | **Teacher Activity** | **Student Activity** |
| **Chapter 2** |  |  |  |
| Human Reproductive Anatomy and Physiology | 1. Review Female Reproductive System  * Fallopian Tubes, Ovaries,   Uterus, and Breasts   1. Types of Pelves 2. Reproductive Cycle & Menstruation 3. Review Male Reproductive System  * External & Internal Genitalia | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 3** |  |  |  |
| Fetal Development | 1. Discus process of fetal development 2. Accessory Structures of Pregnancy 3. Fetal Circulation 4. Multi-fetal Pregnancy | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 4** |  |  |  |
| Prenatal Care and Adaptations to Pregnancy | 1. Prenatal visits  * Estimated date of delivery * Last normal menstrual period  1. Women’s Obstetrical History 2. Signs of Pregnancy  * Presumptive * Probable * Positive  1. Physiological Changes in Pregnancy 2. Nutrition for Pregnancy & Lactation  * Identify My Plate * Weight Gain * Exercise  1. Common Discomforts in Pregnancy 2. Psychosocial Adaptation to Pregnancy 3. Prenatal Education  * Lactation * Medication Metabolism * Immunizations | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 5** |  |  |  |
| Complications During Pregnancy | 1. Discuss Pregnancy Related Complications  * Hyperemesis Gravidarum * Bleeding Disorders In Pregnancy   Abortion  Incompetent Cervix  Placenta Previa  Abruptio Placentae  DIC   * Ectopic Pregnancy * Hydatidiform Mole * Hypertension   Preeclampsia  Eclampsia  Gestational Hyertension   * Blood Incompatibility   RH  ABO   * Diabetes   Diet Modifications  Blood Glucose  Monitoring   * Heart Disease * Anemias * Infections   Viral  Non Viral   1. Environmental Hazards During Pregnancy  * Bioterrorism * Substance Abuse * Trauma  1. Effects of a High-Risk Pregnancy on the Family | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 6** |  |  |  |
| Nursing Care During Labor & Birth | 1. Settings for Child Birth 2. Components of Birth Process (Four P’s)  * Power * Passage * Passenger * Psyche  1. Normal Childbirth  * Signs of Impending Labor * Mechanisms of Labor * Admission Procedure * Discuss Fetal Position & presentation * Discuss False Labor * Monitoring the Fetus   Early & Late  Accelerations &  Decelerations and  Deceleration Variables  of FHR   * Inspection of Amniotic Fluid * Monitoring the Woman’s Response to Labor * Stages of Labor   **1st Stage** – Latent,  Active & Transition  **2nd Stage** – Expulsion  of the Fetus  **3rd Stage** – Expulsion  of the Placenta  **4th Stage** – Recovery   * Postpartum * Care of the Mother * Care of the Newborn   Apgar Scoring  Vitamin K IM Injection  Eye Care  Care of the Umbilical  Cord  Observe for Anomalies | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 7** |  |  |  |
| Pain Management During Labor & Birth | 1. Discuss Childbearing Education 2. Discuss Non-pharmacological Childbirth Techniques and Pharmacological | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 8** |  |  |  |
| Complications During Labor & Birth | 1. Obstetric Procedures  * Amnioinfusion * Induction of Labor * Dilating the Cervix * Anmiotomy * Version * Episiotomy & Lacerations * Forceps and Vacuum Extraction * Cesarean Birth  1. Abnormal Labor  * Problem with Powers, Pelvis, Fetus, & Psyche * Premature Rupture of Membranes * Preterm Labor * Prolonged Pregnancy * Emergencies During Childbirth | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 9** |  |  |  |
| Family After Birth | 1. Discuss Cultural Influences on Postpartum Care 2. Postpartum Changes in Reproductive and Other Systems 3. Emotional Care During Postpartum Period 4. Discuss Breastfeeding 5. Maternal Nutrition 6. Identify Types of Formulas for Bottle Feeding 7. Explain Postpartum Self Care | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 10** |  |  |  |
| Complications After Birth | * Discuss * Shock * Hemorrhage * Thromboembolic Disorders * Infections * Mastitis & Breastfeeding * Mood Disorders | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 11** |  |  |  |
| Women’s Health | 1. Discuss Preventative Healthcare  * Self-Breast Examination * Pelvic Examination * Menstrual Disorders * Endometriosis * Premenstrual Disorders * Gynecological Infections * Sexually Transmitted Infections * PID  1. Family Planning  * Types of Contraception * Infertility  1. Discuss Menopause & Treatments 2. Pelvic Dysfunctions  * Rectocele * Cystocele * Uterine Prolapse * Stress Incontinence  1. Female Reproductive Disorders  * Uterine Fibroids * Ovary Cysts * Polycystic Ovary Syndrome | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 12** |  |  |  |
| Care of the Newborn | 1. Discuss Nervous System Reflexes 2. Discuss Newborn Systems  * Respiratory * Circulatory * Musculoskeletal * Genitourinary * Integumentary * Gastrointestinal | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 13** |  |  |  |
| Preterm Newborn | 1. Discuss Inadequate Respiratory Function 2. Hypoglycemia & Hypocalemia 3. Increase Bleeding Tendency 4. Retinopathy 5. Necrotizing Enterocolitis 6. Immature Kidneys 7. Jaundice 8. Special Needs | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Post-term New Born | 1. Physical Characteristics 2. Nursing Care |  |  |
| **Chapter 14** |  |  |  |
| Disorders of the Newborn | 1. Birth Defects  * Neural Tube Defects * Hydrocephalus * Spina Bifida * Cleft Lip/Palae * Club Foot * Hip Dysplasia * Phenylketonuria * Maple Syrup Urine Disease * Galactosemia * Chromosomal Abnormalities  1. Perinatal Injury  * Erythroblastosis Fetalis * Intracranial Hemorrhage * Transient Tachypnea * Meconium Aspiration Syndrome * Neonatal Abstinence Syndrome | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Maternal Child Health – Pediatric – 20 Hours** | | | |
| **Unit/Chapter Objectives** | **Chapter Content** | **Teacher Activity** | **Student Activity** |
| **Chapter 21** |  |  |  |
| Identify Health Care Delivery Settings for Pediatric Patients. | 1. Outpatient Clinics 2. Hospital Setting 3. Home Settings | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Discuss Three Phases of Separation Anxiety | 1. Protest 2. Despair 3. Denial/Detachment |
| Discuss Pain Management in Infants and Children | 1. Pain rating scales  * PICIC * FLACC  1. Medications for pain relief  * Acetaminophen * NSAIDS * Opioids * Fentanyl * Naloxone * Local anesthetics * PCA |
| Child’s Response to Hospitalization | 1. Fear 2. Regression 3. Cultural Response |
| Intercultural Communication | 1. Personal Space 2. Non-verbal communication |
| Nurse’s Role in Child’s Hospitalization | 1. Admission process 2. Nursing care plan 3. Clinical pathway 4. Meeting the needs of the child 5. Confidentiality and Legality 6. Discharge planning |  |
| **Chapter 22** |  |  |  |
| Discuss Safety Measures in a Hospital Setting | 1. Preparation for performing procedures 2. Transporting, positioning, and restraining | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examinatio | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Discuss Basic Data Collection | 1. Personal history 2. Physical survey 3. Vital signs 4. Height and weight 5. Specimen collection |
| Techniques for Administering Medication to Infants and Children | 1. Dosage Calculations 2. Oral Medications 3. Parental Medications 4. Peripheral Venous Access Devices 5. Central Venous Access 6. Drug Interactions |
| Selected Procedures and their Adaptation to Children | 1. Nutrition 2. Digestion 3. Elimination 4. Tracheostomy care 5. Oxygen therapy 6. Pre-operative and post-operative care |
| **Chapter 23** |  |  |  |
| Discuss Sensory Disorders in Children | 1. Ear 2. Eye 3. Nervous system 4. Seizure disorders 5. Others | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Discuss Cognitive Impairment in Children | 1. Intellectual 2. Developmental |
| **Chapter 24** |  |  |  |
| Discuss Musculoskeletal Conditions in Children | 1. Assessment 2. Diagnostic tests & treatments 3. Laboratory tests 4. Soft tissue injuries 5. Traumatic fractures and treatments 6. Osteomyelitis 7. Duchenne’s muscular dystrophy 8. Slipped femoral capital epiphysis 9. (Legg-calve-perthes disease 10. Sarcomas 11. Juvenile rheumatoid arthritis 12. Torticollis 13. Scoliosis 14. Sports injuries | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Discuss Family Violence | 1. Child abuse  * Nursing indications * Neglect |
| **Chapter 25** |  |  |  |
| **Identify Respiratory Conditions and Treatments in Children** | 1. Upper respiratory disorders 2. Pneumonia 3. Allergies 4. Asthma 5. Cystic Fibrosis 6. Bronchopulmonary dysplasia 7. Sudden infant death syndrome | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 26** |  |  |  |
| Discuss Cardiovascular Disorders in Children | 1. Congenital heart defects 2. Acquired heart diseases | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 27** |  |  |  |
| Discuss Condition of the Blood, Blood-Forming Organs, or Lymphatic System in Children | 1. Anemias 2. Bleeding disorders 3. Platelet disorders 4. Disorders of white blood cells 5. Hodgkin’s disease 6. Chronic Illness 7. Developmental disabilities | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| Care of the Dying Child | 1. Stages of dying 2. Physical changes of impending death |  |  |
| **Chapter 28** |  |  |  |
| Discuss Gastrointestinal Conditions in Children | 1. Congenital disorders 2. Disorders of motility 3. Fluid and electrolyte imbalance 4. Nutritional deficiencies 5. Infections 6. Poisoning 7. Foreign body ingestion | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 29** |  |  |  |
| Genitourinary Conditions in Children | 1. Development of urinary tract 2. Development of reproductive systems 3. Anomalies of the urinary tract 4. Acute urinary tract infections 5. Nephrosis 6. Acute glomerulonephritis 7. Wilms’ tumor 8. Hydrocele 9. Cryptorchidism | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 30** |  |  |  |
| Identify Skin Conditions in Children | 1. Congenital lesions 2. Infections  * Bacterial * Fungal * Pediculosis * Scabies  1. Skin injuries  * Local * Burns | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 31** |  |  |  |
| Metabolic Conditions in Children | 1. Disorders of endrocrine 2. Disorders of metabolic dysfunctions and treatments  * Diabetes insipidus * Diabetes mellitus | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 32** |  |  |  |
| Childhood Communicable Diseases | 1. Common childhood communicable diseases 2. Transmission of infection 3. Types of immunity 4. Isolation 5. Family education 6. Vaccines 7. Immunotherapy 8. Bioterrorism 9. Sexually transmitted infection | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 33** |  |  |  |
| Children with Emotional and Behavioral Conditions | 1. Organic behavioral disorders 2. Environmental or biochemical behavioral disorders  * Depression * Substance abuse | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 34** |  |  |  |
| Alternative Therapies | 1. Identify common alternative health care practices | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Maternal Child Health – Growth & Development - 15 Hours** | | | |
| **Unit/Chapter Objectives** | **Chapter Content** | **Teacher Activity** | **Student Activity** |
| **Chapter 16** |  |  |  |
| Stages of Infant Development | 1. Infant (4 weeks to 1 year)  * Characteristics * Physical development * Social behavior * Health promotion * Infant safety * Major developmental changes in infancy | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 17** |  |  |  |
| Stages of Toddler Development | 1. Toddler (1 to 3 years of age)  * Characteristics * Physical development * Social behavior * Behavior problems * Toilet independence * Injury prevention * Toys and play | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 18** |  |  |  |
| Preschool Child | 1. Preschool Child (3 to 6 years)  * Physical development * Cognitive development * Spiritual development * Sexual curiosity * Social Development * Emotional Development * Discipline * Accident prevention * Play therapy | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 19** |  |  |  |
| School Age Child | 1. School Age (6 to 12 years)  * Physical development * Sexual development * Play * Emotional development * Social development * Health maintenance | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |
| **Chapter 20** |  |  |  |
| The Adolescent | 1. Adolescent (12 to 18 years)  * Physical development * Psychosocial development * Cognitive development * Sexual development * Health promotion and guidance * Personal Care * Safety * Common problems of adolescents | **Lecture**  Discussion  White board  Overhead transparencies  Chapter test  Examination | **Student will:**   * Read chapters * Take notes in class * Take unit test and achieve a passing grade of 83% or higher * Remediation with nurse tutor * Download instructor power point |