Course Title: Child Health Nursing
Course Number: 1001341
Credit Hours: 3
Pre requisite: 1001222
Placement:
Instructor: , ,

Course Description:
This course introduces the students to appropriate scientific knowledge which enables them to develop their clinical and educational approaches to care of children and their families. The course starts with concepts of health promotion and maintenance, and the prevention of illness and accidents. Selected physiological health problems including alteration in respiratory, metabolic, renal, neurological, endocrinology, cardiac, and other health problems common to all children are introduced. The content also addresses the psychological health problems that face children including inorganic failure to thrive, child neglect and child abuse. Nursing management relevant to each problem is discussed using the nursing process, developmental theories, new trends and the recent approaches in the management and caring of children.

General objectives:
General Objectives:
By the end of the course the student will be able to:

1. Utilize the nursing process and developmental theories to provide holistic care for children from infancy to adolescence and to their families.
2. Identify biopsychosocial problem in order to develop recommendation, management and follow-up to help clients to reach optimal level of wellness.
3. Define and describe a specific pediatric condition with emphasis on etiology, clinical manifestations, expected course, treatment, and issues or problems associated with such conditions.
4. Explain the condition, issues or problems of children based on the literature or clinical experiences.
5. Emphasize the physical, psycho-social or behavioral manifestations that are associated with a specific condition or problem.
7. Discuss knowledge and prevention strategies according to developmental characteristics of the child such as accidents, nutrition, immunization, and safety measures.
8. Identify appropriate nursing activities in support and teaching for parents of children with different health problems.
9. Utilize the research process in developing projects relevant to nursing care of children.

Course outline:
Unit I: Health Promotion, and Maintenance
Content
Assessing, promoting, and maintaining optimal growth and development to all age groups:
Psychosocial aspects of hospitalization
Response to hospitalization
Separation anxiety
Preparation for procedures
Child abuse and neglect
Nursing role in assessment, management and prevention of child abuse
Legal aspects in accidents and neglect.

Immunization
Optimal immunization schedule:-
New trends in immunization
Role of the nurses in immunizing children:
Methods of administration.
Vaccines safety and contraindications.
Health education of parents.
Global program of immunization
EPL and the target disease.
Role of UNICEF and WHO in promoting health of children through vaccination.
Immunization status and coverage rates in Jordan.
Immunization schedule, national and international.
Storage and handling of vaccines.

Unit 2: Homeostatic, mechanisms and responses: Fluids and Electrolytes

Content:
Assessment of fluid and electrolyte regulation
Acid-base regulation
Altered fluid and electrolyte balance:
Hypovolemia, Hypervolemia, Dehydration and its severity, Hypokalemia, hyperkalemia, Hypocalcemia, hypercalcemia
Altered acid base balance: Respiratory acidosis, Respiratory alkalosis, Metabolic acidosis, Metabolic alkalosis
Nursing intervention for children with altered homeostatic mechanism
   - Diarrhea and vomiting
Types and degrees and dehydration
Principles in the management and children with diarrhea
   - Nutrition
   - Complications
   - ORS - Follow up and referral
   - IV Therapy - Home management.

* Family awareness in the prevention, control and management of diarrhea diseases.

Unit 3: Nursing care of children with altered respiratory function

Content:
History and physical examination related to respiratory system
Diagnostic assessment related to the respiratory system
Therapeutic management:-
   a. O2 therapy
   b. Chest physical therapy
   c. Breathing exercise
Tonsillitis
Croup (acute laryngotracheobronchitis)
Bronchiolitis
Epiglottitis
Pneumonia
Tuberculosis (TB)
Asthma
Cystic fibrosis
Parental education on clinical manifestation of children with ARI specific to age groups.
The application of UNICEF guidelines for the management of ARI.

Unit 4: Nursing care of children with altered cardiovascular function

Content
Changes in circulation after birth
Cardiac function
Assessment of children with altered cardiovascular function
Congestive heart failure
Rheumatic heart disease
Cyanosis: hypoxemia
Congenital heart defects:
  a. Coarctation of the aorta
  b. Atrial septal defect
  c. Ventricular septal defect
  d. Patent ductus arteriosus
  e. Pulmonic stenosis
  f. Tetrology of fallot
  g. Aortic stenosis
  h. Transposition of great vessels

Unit 5: Nursing care of children with altered hematological function

Content
* Structure and function of the blood
* History and physical assessment of children with blood disorders
* Diagnostic assessment
* Iron deficiency anemia
* Sickle cell disease
* Beta-thalassemia
* Aplastic anemia
* Hemophilia
* Idiopathic thrombocytopenia purpura
* Favism, G6PD deficiency

Unit 6: Nursing care of children with altered genitourinary function

Content
Nursing assessment
History, physical assessment, and diagnostic tests
Congenital anomalies of genitourinary function (hypospadias, epispadias, the gonads (ambiguous genitalia in newborn) undescended testicles
Urinary tract infection
Vesicoureteral reflux
Nephrotic syndrome
Acute glomerulonephritis
Renal failure

Unit 7: Nursing care of children with altered gastrointestinal function

Content
Nursing assessment
History, physical assessment, nutritional assessment and diagnostic tests
Congenital anomalies and obstructions
Cleft-lip and cleft palate
Tracheoesophageal atresia (TEA)
Esophageal atresia
Pyloric stenosis
Intussusception
Hirschsprung disease
Alteration associated with inflammatory process, functional and
omalabsorption
Constipation
Malabsorptive alteration (celiac disease)

Unit 8: Nursing care of children with altered neurological function

Unit 8: Nursing care of children with altered neurological function
Content
Nursing assessment
History, physical examination and diagnostic test
Hydrocephalus
Spina Bifida
Epilepsy
Febile seizures
C.N.S. infections
Bacterial meningitis
Aseptic meningitis
Encephalitis

Unit 9: Nursing care of children with altered endocrine function
Content:
Nursing assessment
History, physical assessment and relevant diagnostic tests
The thyroid gland (hypothyroidism, hyperthyroidism)
Altered pancreatic endocrine function (hypoglycemia, and hyperglycemia)

Unit 10: Nursing care of children with life threatening disorders
Content
Assessment of children with cancer (signs and symptoms)
Treatment for childhood cancer:-
  a. chemotherapy
  b. radiation therapy
  c. bone marrow transplantation
Incidence and etiology and of selected childhood cancer:-
  a. leukemia
  b. brain tumor
  c. Hodgkin and non Hodgkin

Unit 11: Nursing care of children with altered musculoskeletal function
Content
Child history and physical examination
Diagnostic studies
Developmental dislocation of the hip (DDH)
Clubfoot
Scoliosis
Juvenile Rheumatoid Arthritis
Rheumatic heart disease
Cerebral palsy

Unit 12: Nursing care of children with special needs

Content
Nursing assessment
History, physical exam and relevant diagnostic tests
Sensory disorders
a. Visual impairments
b. Auditory impairments
c. Communication disorders
Selected cognitive disorders
a. Mental retardation
b. Down syndrome
c. Attention deficit hyperactivity disorder

Screening and detection of sensory neuro, physical, cognitive and communication disorders. e.g. CP, MR, learning disability visual and auditory impairments.

Nursing assessment: guidelines for referral for audiologic and, speech-language evaluation.

Evaluation methodology:
Pediatric Nursing Project...........20

References:
*Maternal and child health nursing 5th ed.,

Course Schedule:
Topic____________________________________Hours

No Information Available...