

## **COURSES OFFERED BY THE DEPARTMENT OF NURSING**

### **SECOND YEAR FIRST SEMESTER**

#### **AH 2101 English & Communication Skills III (Non-credit)**

Language Development and Writing: The four main types of sentences, Different kinds of clauses, Expansion of sentence structures, Cause-effect relationship, Comparisons, Listening: Developing listening skills through audio/video based learning, Exposure to native and non-native speakers of English (different accents), TOEFL practice tests, Reading: Practicing the reading skills (skimming, scanning, etc.) developed in AH 1101 and AH 1201 through activities such as, pre-reading (discussion through brain storming, puzzles, etc.), skimming and scanning, comprehension, vocabulary expansion related activities leading towards a final speech activity: presentation of a report, poster, etc., and Individual loud reading. Vocabulary: Vocabulary related to specific fields (law, business, politics, etc.), Fixed expressions: Everyday expressions, Idioms, Proverbs, etc., Speech: Mini-presentations based on Reading and Listening activities. Presenting reading reports.

Assignments – 40% End semester -60%

#### **AH 2102 Basic Research Methodology (Credits-01)**

Philosophy of science and the notion of truth, principles of evidence based practice and clinical effectiveness/efficiency, traditions, preferences and positions in applied qualitative research, narrative methodologies and their use in clinical/professional practice, quantitative reasoning and its application in clinical/professional practice, data gathering tools/approaches – qualitative and quantitative methods and analysis, practice based inquiry/participative inquiry/generating evidence based practice, case studies, ethics in research, describe the foundations used for ethical decision-making, patients' rights, need of a code of ethics for practice.

Assignments -25% End semester-75%

#### **AH2103 Systemic Pathology (Credits-02)**

Systemic pathology: Special pathology of major organ systems; Respiratory tract; Cardiovascular system; Gastrointestinal tract; Liver, gall bladder; Kidneys and urinary tract; Male genital system; Female genital system; Central nervous system; and

Clinical pathology: Review of blood groups and their relation to transfusion of blood and its components ; The importance of patient and donor identification for safe transfusion (and) practice; The role of nurses in donor motivation with particular references to the prevention of transfusion related diseases; Review of normal blood composition; Methods of collection of blood specimens for various clinical pathology, biochemistry and microbiology tests; Haematological tests in the assessment and monitoring of disease status – haemoglobin, white cell and platelet counts and coagulation abnormalities; Review of CSF composition; Indication and precautions for a lumbar puncture; The laboratory tests used in CSF analysis and deviation

from the normal; Examinations of other cavity fluids – transudates and exudates; Review of gastric and duodenal contents; Indications for analysis and role of nurses in this procedure; physical characteristics and composition of urine.

Methods of collection for various tests; Alterations in diseases and interpretation; Normal and abnormal appearance of faeces; The value of stool examination in the diagnosis of disease; Characteristics of normal semen; Sperm count, motility and morphology and their importance in infertility.

**Suggested practicals:**

Demonstration of charts and pathological specimens' relevant general and systemic pathology including exfoliative and fine needle aspiration cytology

Urine analysis: urine sugar, acetone and albumin. Dip stick method may be used.

Semen analysis demonstration

Demonstration of haemoglobin estimation, WBC, differential count and peripheral blood smears of iron deficiency and megaloblastic anaemia and leukaemia.

Demonstration of analysis and gastric and duodenal contents

Demonstration of normal and abnormal cerebrospinal fluid and other cavity fluid

Demonstration of blood grouping and cross matching Visit to a blood bank

Mid Semester 25% End Semester Theory 50% Practical 25%

**NS 2101 Adult Nursing-I (Credits-04)**

Therapeutic and diagnostic procedures related to medical – surgical conditions (Respiratory and Cardiovascular system); Pre, intra and post operative nursing care of patients in various surgical condition : ( review ) – anesthesia, types, care and complications, :Nursing process pertaining to patients with disturbances in cardiovascular function; Nursing process pertaining to patients with disturbances in respiratory function; Pain management

Mid Semester 10% End Semester Theory 50% Practical 40%

**NS 2102 Pharmacology-II (Credits-02)**

Drugs used for patients with disorders of the nervous system; Drugs used for patients with disorders of cardiovascular and respiratory system; Drugs used for patients with disorders of urinary system; Drugs used for patients with disorders of female and male reproductive system; Drugs used for patients with disorders of gastro-intestinal system; Drugs used for patients with endocrinal and metabolic disorders; Drugs used for patients with communicable diseases; Drugs used for patients with malignant conditions.

Suggested practicals: Preparation of tables and details of groups of drugs; Visits to pharmacy of the hospital to observe indent, storage and supply of drugs

Mid Semester 25% End Semester 75%

### **NS 2103 Nursing Skills Practice III (Credits-03)**

Nursing procedures pertaining to care of patient with respiratory and cardiovascular system  
Mid Semester 10% End Semester Theory 30% Practical 65%

### **NS 2104 Child Health Nursing-1 (Credits-02)**

Introduction to Child health nursing, Growth and Development; Assessment of child; Nursing care management of the child with respiratory dysfunction  
Mid Semester 10% End Semester Theory 50% Practical 40%

### **NS 2105 Gynecology and Obstetrics Nursing I- (Theory) (Credits-02)**

Human genetics, conception and fetal development; anatomic, physiologic, and psychologic adaptations to pregnancy; Nursing process application and fetal health assessment in antepartal care; High risk pregnancy; Nursing process applications and the process of labor and birth; Assessment of fetal responses to labor and birth  
Mid Semester 30% End Semester 70%

## **SECOND YEAR SECOND SEMESTER**

### **AH 2201 English & Communication Skills IV (Non-credit)**

Language Development and Writing: Development of writing skills–Transitional devices, paragraph building, process writing, reports such as nurse’s reports etc., Listening: Developing listening skills through audio/video based learning, Exposure to native and non- native speakers of English (different accents), TOEFL practice tests. Reading: Reading comprehension activities leading towards a final speech activity: presentation of a report, poster, etc., and Individual loud reading. Homonyms, Synonyms, Acronyms, Homophones, Phrasal verbs, Varieties of English, Abbreviations. Speech: Presenting reports, Debates, Activities consolidated with parallel grammar, reading and listening lessons. (Note: All four language skills: Reading, Writing, Listening and Speaking are incorporated)  
Assignments – 40% End semester -60%

### **NS 2201 Adult Nursing II (Credits- 04)**

Nursing process pertaining to patients with disturbances of Gastrointestinal, hepatic, biliary, pancreatic and splenic functions; Introduction to orthopaedic nursing; General principles used in the treatment and care of orthopaedic patients, Orthopaedic team, Principles of orthopaedic nursing, Provision and maintenance of a safe environment; Rehabilitation; Application of orthopaedic appliances; Physical treatment, Physiotherapy; Occupational therapy; Nursing process pertaining to patients with infective lesions of bones and joint; Nursing process

pertaining to patients with bone disorders; Nursing process pertaining to patients with neuromuscular disorders; Nursing process pertaining to patients with chronic diseases of joints; Nursing process pertaining to patients with injuries; Nursing process pertaining to patients with Neoplasms in bones and joints; Planning and organizing an orthopaedic unit; Nursing process pertaining to patients with orthopaedic emergencies:

Mid Semester 10% End Semester Theory 50% Practical 40%

### **NS2202 Critical Care Nursing I (Credits-02)**

Care of a critically ill patient Cardiovascular System: Causes, Diagnosis, Management & Cardiovascular monitoring, Tracheostomy: Indications & Management, Fluid, electrolyte & Acid-base Balance, Management of respiratory failure, Management of a patient with head injuries & the neuro-surgical post-operative patient, Sedation & pain relief, Renal failure-Management in ICU Care ,Management of patient with Multi Organ Failure ,PIH & Eclampsia in ICU Care

Mid Semester 10% End Semester Theory 50% Practical 40%

### **NS 2203 Nursing Skills Practice IV (Credits-04)**

Nursing procedures pertaining to care of patient with gastrointestinal, orthopedic disease conditions

Mid Semester 10% End Semester Theory 30% Practical 60%

### **NS 2204 Child Health Nursing II (Credits-02)**

Nursing care management for the child with cardiac system and gastro intestine tract.

Mid Semester 10% End Semester 90%

### **NS 2205A Gynecology & Obstetrics Nursing I – Practical (Elective) (Credits-02)**

Prenatal clinic & Prenatal ward: Nursing history-General Physical examination, Obstetrical examination, Active Participation in Parent classes: History taking – menstrual, Family, personnel, Obstetrical; Height & Weight, Urine analysis, Blood Pressure; Examination of Breast, Instruction in Prenatal care; Active participation in parent classes; Assessment and care of the Pregnant Woman; Inducing labour ; Preparing for delivery normal/ caesarean; Augmentation of labour; Patogram documentation; FHS Monitoring; Physical Assessment of Changes during parturition; Assessment of Fetal responses to labour and birth; Assessment and care of the New born; and Health Education & discharge plan

Case study 10% End Semester Examination Practical-90%

## **NS 2205 B Trauma Management in Nursing (Elective) (Credits-02)**

Describe the Epidemiology of Trauma, Explain & perform First Aid, Identify, apply & practice Initial Management- ABCDE, Describe and carry out Subsequent 2<sup>ry</sup> survey management, Nursing management of Head Injury, Nursing management of Thoracic Injury, Nursing management of Abdominal Injury, Nursing management of Vascular Injury, Explain Prevention of injuries, Describe prevention & management of infection strategies, Orthopaedics – basic management, Nursing management of close fracture, Nursing management of open fractures, Nursing management of fractures in elderly, Nursing management of fractures in children, Nursing management of pelvic fractures, Management of shock, Wound care, Burns, Missile and explosive injuries, Explain Rehabilitation of trauma victims

Mid Semester 10% End Semester 90%