

Subject Code: 1NR1020108	Subject Title: MEDICAL SURGICAL NURSING
Pre-requisite	-----NA-----

Course Description

The purpose of this course is to widen the student's knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant anatomy and physiology, patho physiology in medical-surgical disorders and the nursing management of these conditions.

Teaching Scheme (Total Hours)			Evaluation Scheme (Marks)				
Lecture	Practical	Total Hours	Theory		Practical		Total
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	
90	270	360	75	25	50	50	200

Course Content:

UNIT	Time (HOURS)	Learning Objective	COURSE CONTENTS	Teaching learning Activities	Assessment Method
I	4Hrs	Explain the roles of a nurse in patient care	* Introduction to medical surgical nursing. * Review of concepts of comprehensive nursing care in medical surgical conditions. * Nurse, patient and his/her family. * Functions of nurse in the outpatient department. * Intensive care unit.	Lecture, discussion charts, graphs, models, films and slides	Written Test; Objective and Essay Type.
II	10Hrs	Describe the common signs & symptoms of patients suffering with minor illness	* Nursing management of patient with specific problems. * Fluid and electrolyte imbalance. * Dyspnea and cough, respiratory obstruction * Fever * Shock * Unconsciousness * Pain Acute illness * Incontinence	Lecture, discussion charts, graphs, models, films and slides Demonstrations Practice sessions Case discussion Seminar	Written Test; Objective and Essay Type.
III	8Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders	Nursing management of patient with neurological and neurosurgical conditions. Review of anatomy and physiology of the nervous system. Pathophysiology, diagnostic procedures and management of: * Cerebro-vascular accident. * Cranial, spinal and peripheral neuropathies. * Head-ache and intractable pain	Lecture, discussion, Demonstrations Case discussion/ seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.

			* Epilepsy * Infectious and inflammatory diseases and trauma of the nervous system. * Common disorders of the system. * Recent advances in diagnostic and treatment modalities. * Drugs used in these disorders. * Tumors of brain and spinal cord, congenital malformations, degenerative diseases.		
IV	8Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adults including elderly with disorders of blood and cardiovascular problems	Nursing management of patient with cardiovascular problems. Review of relevant anatomy and physiology of cardiovascular system. Pathophysiology, diagnostic procedures and management of * Ischemic heart diseases. * Cardiac arrhythmias. * Congestive heart failure. * Rheumatic and other valvular heart diseases. * Endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block. * Cardiac emergencies: cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurysms and peripheral vascular disorders, recent advancement in cardiology.	Lecture, discussion, Demonstrations Case discussion / seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.
V	6Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adult including	Nursing management of patient with respiratory problems. Review of anatomy and physiology of respiratory system, pathophysiology, diagnostic procedures and management of upper respiratory tract infections. * Bronchitis * Asthma	Lecture, discussion, Demonstrations Charts graphs films and slides Case discussion/seminar	Written Test; Objective and Essay Type.

		elderly with disorder of respiratory system common medical Surgical nursing procedures	* Emphysema, empyema, Atelectasis, COPD * Bronchiectasis * Pneumonia * Pulmonary tuberculosis * Lung abscess * Pleural effusion * Tumours and Cysts * Chest injuries * Respiratory arrest and insufficiency * Pulmonary embolism * Drugs used in the management of these patients. * Special * respiratory therapies.	Health education Supervised clinical practice Drug book presentation Exposure to procedure -x-ray -MRI -Endoscopy	
VI	5Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adult including elderly with disorder of genitourinary system	Nursing management of patient with genitor-urinary problems. Review of anatomy and physiology of the genitor-urinary system * Nephritis * Renal Calculus * Acute renal failure * Chronic renal failure * End stage renal disease Special procedures, dialysis, renal Transplant. Drugs used in management of these patients Congenital disorders, urinary infections, Benign prostate hypertrophy.	Lecture, discussion, Demonstrations Case discussion /seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.
VII	5Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adult including elderly with disorder of digestive system	Nursing management of patients with problems of the digestive systems. Review of anatomy and physiology of gastrointestinal system and accessory organs. Pathophysiology, diagnostic procedures and management of * G.I. Bleeding * Peptic ulcer * Infections * Acute abdomen * Colitis, diarrhea, dysentery and mal-absorption syndrome.	Lecture, discussion, Demonstration Explain using charts, graphs, models, films and slides Case discussion /seminar Health education Supervised clinical practice	Written Test; Objective and Essay Type.

			* Cholecystitis * Hepatitis, hepatic coma and cirrhosis of liver. * Portal hypertension * Pancreatitis * Tumors, hernias, fistulas, fissures, hemorrhoids. Drugs used in the management of these patients.	Drug book presentation	
VIII	10Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adult including elderly with disorder of endocrine system	Nursing management of patients with endocrine problems Review of anatomy and physiology and patho-physiology of patients with * Thyroid disorders * Diabetes mellitus * Diabetes insipidus * Adrenal tumour * Pituitary disorders * Diagnostic procedures Nursing management of patient with above problems. Drugs used in endocrine problems.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion / seminar Practice sessions Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.
IX	5Hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with adult including elderly with disorder of musculo skeletal system	Nursing management of patients with musculoskeletal problems. Review of anatomy and physiology and pathophysiology * Arthritis, osteomyelitis, bursitis, * Fractures, dislocation and trauma * Prolapsed disc * Osteomalacia and osteoporosis * Tumor * Amputation Diagnostic procedures Nursing management of patients with above problems. Prosthesis and rehabilitation. Transplant and replacement surgeries.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion / seminar Health education Supervised clinical practice Drug book presentation	IX

X	3Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with adult including elderly with disorder of patients with oncology	* Nursing management of patients with disorders of female reproductive tract. * Disorder of menstruation * Infections of the genital tract * Benign and malignant tumors of the genital tract * R.V.F., V.V.F * Climacteric changes and associated problems.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion /seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.
XI	5Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with burns reconstructive and cosmetic surgery	* Nursing management of patients with oncological disorders. * Types of neoplasms and related pathophysiology * Diagnostic procedures * Modalities of treatment and * nurse's role Special therapies – Chemotherapy and radiotherapy Preventive measures, other therapies.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion/ seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.
XII	3Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with adult including elderly with disorder of immunological system	* Nursing management of patient with burns. * Nursing management of patient with reconstructive surgeries.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion / seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objective and Essay Type.

XIII	5Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with adult including elderly with disorder of communicable diseases	Nursing management of patients with common communicable diseases and STD'S Nursing management of patient with immunological disorders including HIV/AIDS	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion / seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objectiveand EssayType.
XIV	5Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with adult including elderly with disorder of ear, nose and throat	Nursing management of patients with diseases of eye, ear, nose, throatand skin.	Lecture, discussion, Demonstrations Explain using charts, graphs models, films and slides Case discussion /seminar Health education Supervised clinical practice Drug book presentation	Written Test; Objectiveand EssayType.
XV	5Hrs	Describe the etiology ,pathophysiology clinical manifestations ,diagnostic measures and nursing management of patients with adult including elderly with disorder of blood	Nursing management of patients with blood disorders Review of anatomy and physiology of blood and bloodproducts. Patho-physiology, diagnostic procedures and management of blood disorders * Anemia * Leukemia * Bleedingdisorders * Hemophilia * Purpura etc. Blood transfusion,safety checks, procedure and requirements, management of adverse transfusion, reaction, records for blood transfusion. Management andcounseling	Lecture, discussion,	Written Test; Objectiveand EssayType.

			of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee Bio-safety and waste management in relation to blood transfusion.		
XVI	3Hrs	Explain the role of a nurse in nursing emergencies	* Nursing in emergencies. * Cardiac emergencies * Trauma * Poisoning * Crisis management: Thyroid crisis, Hypertensive crisis, adrenal crisis.	Lecture, discussion	Written Test; Objective and Essay Type.

PRACTICUM

Students should be rotated in the selected medical and surgical areas, like cardio thoracic, neurology, urology, orthopedics, Gynecology, Oncology, burns and Reconstructive surgical units.

The students should be given patient assignment. They have to practice patient centered comprehensive nursing.

Each student is required to give planned health teachings, conduct clinical teaching, case presentation and drug study.