# Subject No. 2 MEDICAL AND SURGICAL NURSING- I (Adult Including Geriatric)

Total Hours: 930 Theory: 210 Hours Clinical/Practical: 720 Hours

#### AIM:

• This course is designed to help the student to develop an understanding and proficiency in caring for patients with medical surgical disorders in varieties of health care settings and at home.

#### **OBJECTIVES:**

At the end of course students will be able to develop:

- Understanding to describe the causes, signs and symptoms, treatment and prevention of medical surgical conditions.
- Skills in carrying out nursing techniques and procedures in keeping with scientific principles.
- Understanding of nursing process and provide nursing care to patients with various medical surgical conditions.

#### **COURSE CONTENTS:**

#### **Unit I – Introduction:**

- Introduction to medical surgical nursing Evolution and trends of medical and surgical nursing.
- Review of concepts of health and illness disease concepts, causation, classification international classification diseases (ICD 10 or later version.), acute illness chronic & acute, Terminal illness, stages of illness.
- Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.
- Role of nurse patient and family in care of adult patient.
- Role and responsibilities of a nurse in medical surgical settings: Out patient department. In patient department. Intensive care unit. Home and community settings.
- Introduction to medical surgical asepsis: Inflammation and infection. Immunity. Wound healing. Stress adaptation. Hemorrhage. Nutritional considerations.
- Care of surgical patients: Pre- operative. Intra operative. Post- operative.
  - Evidence based nursing

#### Unit II - Common signs and symptoms and management:

• Fluid and electrolyte imbalance. Vomiting. Dyspnoea and cough, respiratory obstruction. Fever. Shock. Unconsciousness, syncope. Pain. Incontinence and retention of urine. Constipation and diarrhea. Edema. Age related problems – geriatric problems.

#### Unit III - Nursing management of patients (adults including elderly) with respiratory problems:

- Review of Anatomy & Physiology of respiratory system. Nursing Assessment History & Physical assessment.
- Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & Medical, surgical, Nutritional & nursing including elderly with: Upper Respiratory tract infections. Bronchitis.

Bronchiolitis. Asthma. Emphysema. Empyma. Atelectasis. Chronic obstructive Pulmonary Diseases (COPD). Bronchiectasis. Pneumonia. Pulmonary tuberculosis. Lung abscess. Pleural abscess, effusion. Cysts & Tumors. Chest injuries. Respiratory arrest. ARDS & insufficiency. Pulmonary embolism.

- Special therapies, alternative therapies, Nursing Procedures, Drugs used in treatment of respiratory disorders.
- Recent advances in respiratory diagnostic procedures

### Unit IV - Nursing management of patients (adults including elderly) with disorders of digestive system:

- Review of Anatomy & Physiology of digestive system. Nursing Assessment –history & physical assessment.
- Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, Nutritional & nursing management- Disorders of: Oral cavity- Lips, gums, tongue, salivary and teeth. Esophagus- inflammation, stricture, obstruction, bleeding & esophageal tumor. Stomach & Duodenum hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumor, pyloric stenosis. Small intestinal inflammation and infection entritis, malabsorption syndrome, Obstruction, tumors perforation. Large Intestinal disorders Colitis inflammations & infection, obstruction, Tumors and lump. Hernias. Appendix Inflammation, mass, abscess, rupture. Anal & Rectum: Fistulas, fissures, Hemorroides and tumour. Peritonitis/ acute abdomen. Pancreas: inflammation, cyst abscess, tumors. Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors. Biliary tract & gall bladder: Cholecytitis, cholelithiasis and tumors. Food poisoning and food allergies. Special therapies, alternative therapies
- Nursing Procedures. Drugs used in treatment of digestive system disorder.
- Recent advances in GI diagnostic procedures

### Unit V - Nursing management of patients (adults including elderly) with blood and cardio vascular problems:

- Review of Anatomy & Physiology of blood and cardiovascular system. Nursing Assessment –history & physical assessment.
- Etiology, patho physiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, Nutritional & nursing management of:
- **Heart:** Coronary artery disease. Ischemic heart disease. Coronary atherosclerosis. Angina pectoris. Myocardial infarction. Valvular disorders of the heart: Congenital and acquired. Rheumatic heart diseases. Endocarditis, pericarditis, Myocarditis. Cardio myopathies. Cardiac dysrhythmias, Heart block. Congestive cardiac failure. Cor pulmonale, Pulmonary Odema, Cardiogenic shock, Cardiac tamponade. Cardiac emergencies and arrest. Cardio pulmonary resuscitation (CPR)
- Blood: Anemias. Polycythemia. Bleeding disorders, clotting factor defects and platelets defects. Thalassemia. Leukaemias. Leukaemias and agranulocytosis. Lymphomas. Myelomas.
- Special therapies: Blood transfusion, safety checks. Procedure and requirements, managements of adverse transfusion reaction, records for blood transfusion. Management and counseling 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. Role of nurse in organ donation. Retrieval and banking.

- Special therapies, alternative therapies. Nursing Procedures. Drugs used in treatment of blood and cardio vascular disorder.
- Pulse oximeter
- Estimation of blood glucose by glucometer
- Effects of stress on health

## Unit VI - Nursing management of patients (adults including elderly) with genito – urinary problems:

- Review of Anatomy & Physiology of genito-urinary systems. Nursing Assessment –history & physical assessment.
- Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of: Nephritis. Nephrotic syndrome. Nephrosis. Renal calculus. Tumours. Acute renal failure. Chronic renal failure. End stage renal disease. Dailysis, renal transplant. Congenital disorders, urinary infections. Benign prostate hypertrophy. Kidney: Polycystic kidney. Disorders of ureter, urinary bladder- urethera inflammation, infections, stricture, obstructions, tumors, prostrate.
- Special therapies, alternative therapies. Nursing Procedures. Drugs used in treatment of genitor urinary disorder.
- Recent advances in genito urinary diagnostic procedures.

### Unit VII - Nursing management of disorders of male (adults including elderly) with reproductive system:

- Review of anatomy and Physiology of male reproductive system. Nursing assessment history and physical assessment.
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system. Congenital malformations: cryptorchidism. Infections. Hypospadiasis. Epispadiasis. Infection Testis and adjacent structure. Penis. Prostate: inflammation, infection hypertrophy, tumor. Sexual Dysfunction. Infertility. Contraception. Breast, gynecomastia, tumor. Climacteric changes. Special therapies, alternative therapies.
- Nursing procedures. Drugs used in treatment of disorders of male reproductive system.

## Unit VIII - Nursing management of patient (adults including elderly) with disorders of endocrine system

- Review of anatomy and physiology of endocrine system. Nursing assessment: history and physical assessment.
- Etiology, pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of: Disorders of pituitary. Disorders of thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus. special therapies, alternative therapies
- Nursing procedures. Drugs used in treatment of disorders of endocrine system.
- Recent advances in endocrine diagnostic procedures.

### Unit IX - Nursing management of patients (adults including elderly) with disorders of Integumentary system:

- Review of anatomy and physiology of skin and its appendages. Nursing assessment history and physical assessment.
- Etiology, Pathphysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages. Lesions and abrasions. Infection and infestations: Dermatitis. Dermatoses; infectious and non infectious "inflammatory determatoses. Acne vulgaris Allergies and Eczema. Psoriasis. Malignant melanoma. Alopecia. Leucoderma. Care of patient with Skin surgery.
- Special therapies, alternative therapies. Nursing procedures. Drugs used in treatment of disorders of Integumentary system.
- Recent advances in Integumentary diagnostic procedures.

#### Unit X - Nursing management of patients (adults including elderly) with musculoskeletal problems:

- Review of anatomy and physiology of Musculoskeletal system. Nursing assessment history and physical assessment.
- Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of: Disorders of: Muscles, ligaments and joints-inflammation, infection trauma. Bones-inflammation, infection, dislocation, sprain, fracture, tumor & trauma. Osteomalacia and osteoporosis. Arthritis, Congenital deformities, Spinal column defects and deformities, tumor. Prolapsed inter vertebral, disc. Pot's spine. Paget's disease.
- Amputation. Prosthesis. Transplant and replacement surgeries. Rehabilitation.
- Special Therapies, alternative therapies. Nursing procedures. Drug used in treatment of disorders of musculoskeletal system.
- Recent advances in musculoskeletal diagnostic procedures.

#### Unit XI - Nursing management of Patient (adults including elderly) with Immunological problems:

- Review of Immune system. Nursing Assessment- History and physical assessment.
- Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics and nursing management of: Immunodeficiency disorder. Primary immuno deficiency. Phagocytic dysfunction. B-cell and T-cell deficiencies. Secondary immunodeficiency. Acquired immunodeficiency syndrome (AIDS). Incidence of HIV & AIDS. Epidemiology. Transmission-prevention of Transmission. Standard safely precautions. Roll of nurse, counseling. Health education and home care consideration. National AIDS control program NACO various. National and international agencies. Infection control program. Rehabilitation.
- Special therapies, alternative therapies. Nursing procedures. Drugs used in treatment of disorders of immunological systems.
- Social stigma & Rehabilitation

#### Unit XII - Nursing management of patient (adults including elderly) with Communicable Diseases:

- Overview of infectious disease, the infectious process
- Nursing Assessment-History and physical assessment
- Epidemiology, infectious process, clinical manifestations, diagnosis, treatment,
- Prevention and dietetics. Control and eradication of common communicable diseases: Tuberculosis. Diarrheal diseases. Hepatitis A-E. Herpes. Chickenpox. Smallpox. Typhoid. Meningitis. Gas

- gangrene. Leprosy. Dengue. Plague. Malaria. Diphtheria. Pertussis. Poliomyelitis. Measles. Mumps. Influenza. Tetanus. Yellow fever. Filariasis. HIV. AIDS. communicable diseases
- Reproductive Tract Infections: Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals
- Special therapies, Alternative therapies. Nursing procedures Drugs used in treatment of above listed diseases.
- Dengue
- Swine flue
- Leptospirosis
- Ebola
- Zika virus

#### **Unit XIII - Peri Operative nursing:**

- Organization and physical set up of the operation theatre (OT): Classification. O.T. Design
- Staffing: Members of the OT team. Duties and responsibility of nurse in OT.
- Principles of health and operating room attire: Instruments. Sutures and suture materials. Equipments. O.T. tables and sets for common surgical procedure. Scrubbing procedures. Gowning and gloving. Preparation of O.T. sets.
- Monitoring the patients Maintenance of therapeutics environment in O.T.
- Standard safely measures: Infection control: fumigation, disinfection and sterilization. Biomedical waste management. Prevention of accidents and hazards in O.T.
- Anesthesia: Types, Methods of administration, Effects and stages, Equipment, Drugs.
- Cardio pulmonary Resuscitation (CPR)
- Pain management techniques.
- Legal Aspects during surgical procedures.

### MEDICAL AND SURGICAL NURSING- I (ADULT INCLUDING GERIATRICS)

Unit No.				Conte	ents With Distri	buted Hours		
& Hours	Objectives		Must K	now 60%		Desirable to Kn 30%	ow Ni	ce to Know10%
I (10 Hrs)	At the end of unit students are able to:  Knowledge: Understand and describe the concept of health and illness.  Skill: Render comprehensive care to the client.  Attitude: Make self aware about the trends in nursing.	<ul> <li>Introduction: Review of concepts of health and illness disease concepts, causation, classification – international classification diseases (ICD – 10 or later version.), acute illness chronic &amp; acute, Terminal illness, stages of illness.</li> <li>Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process</li> <li>Role and responsibilities of a nurse in medical surgical settings: Out - patient department. In - patient department. Intensive care unit. Home and community settings.         <ul> <li>(6 Hours)</li> </ul> </li> </ul>				<ul> <li>Role of nurse patient and far in care of adult patient.</li> <li>Introduction to medical surgion as epsis-Inflammation infection.         Immunity. We healing.     </li> <li>Evidence base nursing</li> <li>Care of surging patients: Prespective. In operative. In operative. (3 Hours)</li> </ul>	mily ment not not not not not not not not not n	troduction to edical surgical surgical surgical surgical volution and ends of medical d surgical sursing. (1 Hr)
	Course outcome	Program outcome	2			,	1	
		Clinician/Nurse educator					Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO 1: Describe the concepts of health and illness and its causation.	3 3 3				3	3	3
	CO 2: Describe International classification of diseases (ICD)	2 2 2			2	2	2	
	CO 3: Determine acute and chronic illness, terminal illness and stages of illness.	3	3 3 2				3	3

	CO 4: Explain concept of comprehensive nursing care in medical surgical nursing based on nursing process.	3	3	2	2	2		3	3
	CO 5: Describe role and responsibilities of nurse in medical surgical settings, intensive care unit, home and community settings	3	3	3	3	3		3	3
	Co 6: Describe role of nurse in patient and family in care of adult patient.	3	3	3	3	3		3	3
	CO 7: Explain medical surgical asepsis, inflammation and infection.	3	3	3	3	3		3	3
	CO 8: Explain wound healing in detail.	3	3	3	3	3		3	3
	Co 9: Determine evidence based nursing.	3	3	2	2	2		3	3
	CO10: Determine perioperative care nursing.	3	3	2	2	2		3	3
	CO11:Explain evolution and trends in medical surgical nursing.	3	3	2	2	2		3	3
II (15 Hrs)	At the end of unit students are able to:  Knowledge: Know and identify the common signs and symptoms of various disease conditions.  Skill: Assess the client's need and plan nursing care according to assessment.  Attitude: Develop the habit of planning need based nursing care.	<b>manageme</b> Fluid and	e <b>nt:</b> electrolyte is and cough,.	<b>mptoms and</b> mbalance, Vo	omiting.	Synco Incon Edem respin	tinence na. ratory uction	pro	ge related oblems: riatric. Hr)
	Course outcome	Program outcom	ne			1			
		Clinician/Nurse educator	Professional	Communicator	Leader and memb health care team a system		Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4		PO5	PO6	PO7

	CO 1: Describe the common sign and symptoms in fluid and electrolytes imbalance, vomiting, dyspnea, cough, fever, unconsciousness, syncope, incontinence, edema and respiratory obstruction	3	3	2	2		2	3	3
	CO 2: Explain management of fluid and electrolytes imbalance, vomiting, dyspnea, cough, fever, unconsciousness, syncope, incontinence, edema and respiratory obstruction	3	3	2	2		2	3	3
	CO 3:Develop nursing care plan for fluid and electrolytes imbalance, vomiting, dyspnea, cough, fever, unconsciousness, syncope, incontinence, edema and respiratory obstruction	3	3	2	2		2	3	3
III (20Hrs)	At the end of unit students are able	including Nursing A assessmen Etiology, manifestat including infections. Emphyser obstructive Bronchiec tuberculos effusion. G Respirator	Pathophysiologions, diagnos elderly with: Bronchitis. Bronchitis. Bronchitis. Pulmonary tasis. Pneumosis. Lung abscaysts & Tumory arrest, ARI y embolism N	respiratory History & Phy Ogy, Clinical is, treatment in Upper Respir Bronchiolitis. Atelectasis in Diseases (CC Onia. Pulmona ess. Pleural a ors. Chest inju DS & insuffi	modalities ratory tract. Asthma. Chronic OPD). arry bscess, uries. ciency.	<ul> <li>Drugs treatmerespira disorde</li> <li>Recent</li> </ul>	ny & logy of tory syste used in ent of tory ers. t advance oiratory estic lures		Special therapies, alternative therapies: (2 Hr)
	Course outcome	Program outcom	me						

	Clinician/Nu rse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Research
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1: Describe the anatomy and physiology of respiratory system.	3	3	2	3	3	3	2
CO2: Identify common respiratory problems.	3	3	2	3	3	3	2
CO3: Explain nursing assessment including history and physical assessment.	3	3	2	3	3	3	3
CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Upper Respiratory tract infections, Bronchitis. Bronchiolitis. Asthma. Emphysema. Empyema. Atelectasis. Chronic obstructive. Pulmonary Diseases (COPD). Bronchiectasis. Pneumonia. Pulmonary tuberculosis. Lung abscess. Pleural abscess, effusion. Cysts & Tumors. Chest injuries. Respiratory arrest, ARDS & insufficiency. Pulmonary embolism	3	3	2	3	3	3	3
CO5: Develop nursing care plan for above diseases	3	3	3	3	3	3	3
CO 6: Explain special therapies, alternative therapies in respiratory problems.	3	3	3	3	3	3	3

IV (30Hrs)	At the end of unit students are able to:  Knowledge: Understand and explain the anatomy, physiology, etiology, pathophysiology and diagnostic assessment of client with elementary tract problems.  Skill: Perform physical assessment of client with elementary tract problems and plan nursing care.  Attitude: Utilize theoretical knowledge in practice of nursing.	includin system: assessme Etiology, diagnosis Disorder salivary sinflamma esophage hernia, gibleeding, inflamma absorption perforation inflamma and lump mass, abstissures, acute abscess, cirrhosis, failure ar Cholecys	management of gelderly) with Nursing Assessment.  pathophysiology, treatment modes of: Oral cavity glands and teeth. The station, stricture, of the station and infection and infection and infection and infection. Hernias. Appeared to the stations of the	disorders of ment –history, clinical malities and religion. Lips, gumble Esophagus bestruction, ch & Duodo duodenal utenosis. Smon – enterities struction, tunal disorder n, obstruction al & Rectud tumor. Peas: inflamma aundice, her hypertension y tract & gassis and tumor.	<ul> <li>digestive</li> <li>Drugs user treatmer digestive disorder</li> <li>Recent</li> </ul>	y & bogy of e system. sed in at of e system . advances in nostic ares	• Special therapies, alternative therapies. (3 Hr)	
	Course outcome	Program outco	ome					
		Clinician/Nur se educator	Professional	Communicat	Lifelong learner	Critical thinker	Researcher	
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	Student will be able to: CO 1: Describe the anatomy and physiology of digestive system.	3	3	2	2	2	3	
	CO2: Identify common digestive problems.	3	3	2	2	3		
	CO3: Explain nursing assessment including history and physical assessment.	3	3	2	3			

	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Oral cavity- Lips, gums, tongue, salivary glands and teeth. Esophagus- inflammation, stricture, obstruction, bleeding & esophageal tumor. Stomach & Duodenum – hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumor pyloric stenosis. Small intestinal inflammation and infection - enteritis, mal absorption syndrome, Obstruction, tumors perforation. Large Intestinal disorders - Colitis inflammations & infection, obstruction, Tumors and lump. Hernias. Appendix - Inflammation, mass, abscess, rupture. Anal & Rectum: Fistulas, fissures, Hemorrhoids and tumor. Peritonitis/ acute abdominal. Pancreas: inflammation, cyst abscess, tumors. Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors. Biliary tract & gall		3	2	2	2	2	3
	bladder: Cholecystitis, cholelithiasis and tumors. CO5: Develop nursing care plan	3	3	2	2	2	2	3
	for above diseases							
	CO 6: Explain special therapies, alternative therapies in digestive system problems.	3	2	2	2	2	2	3
V (30 Hrs)	At the end of unit students are able to <b>Knowledge:</b> Understand and describe the signs and symptoms of client with cardio vascular problems. <b>Skill:</b> Assess the client correctly and plan & implement nursing interventions.	• Etiology manifes medical manage	g management on gelderly) with r problems: Nur & physical assessy, patho physiolotation, diagnosis, surgical, Nutritement of: Coronary artery decoronary atherosis	blood and sing Assessment. gy, clinical, treatment ional & nur isease. Isch	cardio sment – modalities: sing	system	ny & logy of and rascular ement and ling of	<ul> <li>Special therapies, alternative therapies.</li> <li>Role of nurse in organ donation. Retrieval and banking.</li> <li>(3 Hr)</li> </ul>

Attitude: Incorporate this knowledge in nursing practice and provide psychological support to the client and family members.	disorders Rheumati pericardit Cardiac d cardiac fa edema, C Cardiac e pulmonar Blood: A disorders defects. T and agran Special th checks. P managem records fo waste ma	Myocardial infof the heart: Concentration of the heart: Concentration of the heart disease is, Myocarditisty sarhythmias, illure. Cor pulnardiogenic shows resuscitation nemia. Polycyto, clotting factor halassemia. Lead of the heart of adverse of adverse or blood transful nagement in respondents. Nursing Pross.)	ongenital and s. Endocardit s. Cardio myo Heart block. honale, pulmock, Cardiac tad arrest. Card (CPR) hemia. Bleed defects and peukaemias. Lemphomas. Myo transfusion, equirements, e transfusion is lation to bloo	l acquired. is, is, ipathies. Congestive onary imponade. io ing olatelets eucopenia yelomas. safety reaction, afety and	and car vascula • Pulse Ox	re, and nation ment, ank ning and ion tee.  used in ent of blood dio ar disorder. simeter of stress on scular advances io r tic ires. d's	
Course outcome	Program ou	ıtcome					
	Clinician/Nurs e educator	Professional	Communicator	Leader and member of the health care tear and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1: Describe the anatomy and physiology of blood and cardiovascular system.	3	3	2	2	2	3	
CO2: Identify common blood and cardiovascular system problems.	3	3	2	2	2	3	
	3	3	2	2	2	2	3

	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Coronary artery disease. Ischemic heart disease. Coronary atherosclerosis. Angina pectoris. Myocardial infarction. Valvular disorders of the heart: Congenital and acquired. Rheumatic heart diseases. Endocarditis, pericarditis, Myocarditis. Cardio myopathies. Cardiac dysarhythmias, Heart block. Congestive cardiac failure. Cor pulmonale, pulmonary edema, Cardiogenic shock, Cardiac tamponade. Cardiac emergencies and arrest CO5: Describe etiology,	3	3	2	2	2	3	3
	Pathophysiology, clinical manifestation, diagnosis and treatment of Anemia. Polycythemia. Bleeding disorders, clotting factor defects and platelets defects. Thalassemia. Leukaemias. Leucopenia and agranulocytosis. Lymphomas, Myelomas, Raynaud's disease	J	3			2	3	
	CO6: Develop nursing care plan for above diseases	3	3	2	2	2	3	3
	CO7: Explain types of blood transfusion and its adverse reaction.	3	3	3	2	2	3	3
	CO8: Describe nursing responsibilities and recording and reporting in blood transfusion.	3	3	2	2	2	3	3
	CO 9: Explain special therapies, alternative therapies in blood and cardiovascular system problems.	3	2	2	2	2	3	3
VI (10Hrs)	At the end of unit students are able to <b>Knowledge:</b> Understand and describe the signs and symptoms of client with genito urinary tract	inc pro ph	rsing managen cluding elderly) oblems: Nursing ysical assessmen ology, pathophys	with genito g Assessment nt.	<ul><li>urinary</li><li>history &amp;</li></ul>	Physi	omy & ology of o-urinary	• Special therapies, alternative therapies. (1 Hr)

disorders and plan need based nursing care.  Skill: Acquire proficiency in planning and providing comprehensive care to the client with genito urinary disorders.  Attitude: Appreciate the psychological feelings of the client and relatives.  Course outcome	and medical, surgical, dietetics & nursing management of: Nephritis. Nephrotic syndrome. Nephrosis. Renal calculus. Tumors. Acute renal					<ul> <li>Drugs used in treatment of genito – urinary disorder.</li> <li>Recent advances in genito urinary diagnostic procedures.         <ul> <li>(3 Hours)</li> </ul> </li> </ul>		
	Clinician/Nu rse educator	Professional	ator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	
CO 1: Describe the anatomy and physiology of genito-urinary system.	3	3	2	2	2	3	3	
CO2: Identify common genitor- urinary system problems.	3	3	2	2	2	3	3	
CO3: Explain nursing assessment including history and physical assessment.	3	3	2	2	2	3	3	
CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Nephritis. Nephrotic syndrome. Nephrosis. Renal calculus. Tumors. Acute renal failure. Chronic renal failure. End stage renal disease. Dialysis, renal transplant. Congenital disorders, urinary infections benign prostate hypertrophy. Kidney: Polycystic kidney. Disorders of ureter, urinary bladder- urethra inflammation, infections, stricture, obstructions and tumors.	3	3	2	2	2	3	3	

	CO5: Develop nursing care plan for above diseases	3 3	2	·	2	2	3	3	3	
	CO 6: Explain special therapies, alternative therapies in genitor-urinary problems.	3	2	,	2	2	3	3	3	
( 5 Hrs)	At the end of unit the students are able to <b>Knowledge:</b> Understand and explain the pathophysiology, signs and symptoms and medical and nursing management of patient with reproductive system. <b>Skill:</b> Assess the client and plan and implement the nursing care. <b>Attitude:</b> Understanding the feeling of the patients with congenital anomalies and sexual dysfunction.	• Etiology, p manifestat and medic manageme system. Co cryptorchi- Epispadias structure. I inflammat Dysfunction gynecoma	manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system. Congenital malformations: cryptorchidism. Infections. Hypospadiasis, Epispadiasis. Infection Testis and adjacent structure. Penis. Prostate: infection, inflammation, hypertrophy, tumor. Sexual Dysfunction. Infertility. Contraception. Breast, gynecomastia, tumor. Climacteric changes.							
	Course outcome	Program out	tcome			•				
		Clinician/Nurse educator	Professional	Commu	nicator Leader memb the header care te and sy	er of alth am	Lifelong learner	Critical thinker	F	Researcher
		PO1	PO2	PO3	PO4		PO5	PO6	P	PO7
	CO 1: Describe the anatomy and physiology of of male reproductive system.	3	3	2	2	II.	2	3	1	3
	CO2: Identify common male reproductive system problems.	3	3	2	2		2	3		3
	CO3: Explain nursing assessment including history and physical assessment.	3	3	2	2		2	3		3

	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Congenital malformations: cryptorchidism. Infections. Hypospadiasis, Epispadiasis. Infection Testis and adjacent structure. Penis. Prostate: infection, inflammation, hypertrophy, tumor. Sexual Dysfunction. Infertility. Contraception. Breast, gynecomastia, tumor.	3	3	2		2	2	3	3
	CO5: Determine climenteric changes in male reproductive system.	3	3	2		2	2	3	3
	CO6: Develop nursing care plan for above diseases	3	3	2	,	2	2	3	3
	CO 7: Explain special therapies, alternative therapies in male reproductive system problems.	3	3	2		2	2	3	3
(10 Hrs)	At the end of unit students are able to <b>Knowledge:</b> Understand and describe clinical manifestations, pathophysiology and management opatient with endocrine disorders.	including elderly) with disorders of endocrine system:  Nursing assessment: history and physical assessment.  Tiology, pathophysiology, clinical assessment.  including elderly) with disorders of endocrine and physiology of endocrine system.  Drugs used in treatment of disorders of							pecial therapies, Iternative nerapies. I Hr)
	<b>Skill:</b> Identify the needs of patient with endocrine disorders. <b>Attitude:</b> Incorporate this knowledge in nursing practice.	and m manag Disord Adren	estation, diagedical, surgions gement of lers of: Pitui al tumor. Diag	gnosis, treat cal, dietetic tary. Thyro abetes mell	tment modal es and nursin oid and para itus. Diabete	ities g thyroid.	endocrine sy Recent adva in endocrin diagnostic procedures.	ances	
	with endocrine disorders. <b>Attitude:</b> Incorporate this	and m manag Disord Adren	estation, diagedical, surgions of the surgions	gnosis, treat cal, dietetic tary. Thyro abetes mell	tment modal es and nursin oid and para itus. Diabete	ities g thyroid.	endocrine sy Recent adva in endocrin diagnostic procedures.	ances	
	with endocrine disorders.  Attitude: Incorporate this knowledge in nursing practice.  Course outcome	and m manag Disorc Adren insipic	estation, diagedical, surgion edical, surgion edical, surgion edical surgion edical tumor. Diagedical tumor. Diagedical surgion edical	gnosis, treat cal, dietetic tary. Thyro abetes mell	tment modal es and nursin oid and para itus. Diabeto s. (6 Hrs)	thyroid. es  Lifelong learner	endocrine sy Recent adva in endocrin diagnostic procedures.	ances	r

CO 1: Describe the anatomy and physiology of endocrine system.	3	3	2	2	2	3	3
CO2: Identify common endocrine system problems.	3	3	2	2	2	3	3
CO3: Explain nursing assessment including history and physical assessment.	3	3	2	2	2	3	3
CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.	3	3	2	2	2	3	3
CO5: Develop nursing care plan for above diseases	3	3	2	2	2	3	3
CO 6: Explain special therapies, alternative therapies in endocrine system problems.	3	3	2	2	2	3	3
At the end of the unit students are able to  Knowledge: Explain the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Attitude: Appreciate the feelings or client suffering from integumentary system and his family members	include Integration history  • Etiological manificand manage appeninfests and no Acne	ling elderly) mentary sy mentary sy mentary sy mand physic gy, Pathoph estation, dia edical, surgi gement of di dages. Lesic ations: Derm on infectious vulgaris. All	with disorstem: Nursal assessments yield y	rders of sing assessment. linical tment modal es and nursin skin and its asions. Infect natosis; infect tory determa Eczema. Pso	ent  ities g tion and ctious ttosis. rriasis. es. (6	anatomy and physiology of skin and its appendages.  Care of patien with skin surg  Malignant melanoma. Drugs used in treatment of disorders of Integumentar system. Recent advanin Integumenta diagnostic procedures.	(1 Hr)  tt gery.  y  nces
	physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Attitude: Appreciate the feelings o client suffering from integumentary	physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to  Knowledge: Explain the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  Acne Alope	CO 1: Describe the anatomy and physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and non infectious Acne vulgaris. All Alopecia. Leucode	CO 1: Describe the anatomy and physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to  Knowledge: Explain the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  Attitude: Appreciate the feelings of client suffering from integumentary system and non infectious, inflamma Acne vulgaris. Allergies and Alopecia. Leucoderma. Nursi	CO 1: Describe the anatomy and physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Skill: Identify the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  Skillering from integumentary system and his family members  Skillering from integumentary system and his family members  Skillering from integumentary system.  Skillering from integumentary system and his family members  Skillering from integumentary system.  Skillering from integumentary system and his family members  Skillering from integumentary system.  Skillering from integumentary system and his family members	CO 1: Describe the anatomy and physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  Nursing management of patients (adults including elderly) with disorders of Integumentary system:  Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages. Lesions and abrasions. Infection and infestations: Dermatitis. Dermatitis. Dermatosis; infectious and non infectious, inflammatory determatosis. Acne vulgaris. Allergies and Eczema. Psoriasis. Alopecia. Leucoderma. Nursing procedures. (6	CO 1: Describe the anatomy and physiology of endocrine system.  CO2: Identify common endocrine system problems.  CO3: Explain nursing assessment including history and physical assessment including history and physical assessment.  CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Pituitary. Thyroid and parathyroid. Adrenal tumor. Diabetes mellitus. Diabetes insipidus.  CO5: Develop nursing care plan for above diseases  CO 6: Explain special therapies, alternative therapies in endocrine system problems.  At the end of the unit students are able to Knowledge: Explain the disorders of integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system.  Attitude: Appreciate the feelings of client suffering from integumentary system and his family members  **Nursing management of patients (adults including elderly) with disorders of Integumentary system: Nursing assessment history and physical assessment instory and physical assessment instory and physical assessment of disorders of Skin and its appendages. Lesions and abrasions. Infection and infestations: Dermatitis. Dermatosis; infectious and non infectious, inflammatory determatosis; Alopecia. Leucoderma. Nursing procedures. (6 Hrs)  **Heroin Advantage of the properties of the prope

	Course outcome	Program outcome							
		Clinician/Nurse educator	Professional	Communicato r	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher	
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	
	CO 1: Describe the anatomy and physiology of skin and its appendages.	3	3	2	2	2	3	3	
	CO2: Identify common skin and its appendages problems.	3	3	2	2	2	3	3	
	CO3: Explain nursing assessment including history and physical assessment.	3	3	2	2	2	3	3	
	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of disorders of skin and its appendages. Lesions and abrasions. Infection and infestations: Dermatitis. Dermatosis; infectious and non infectious, inflammatory determatosis. Acne vulgaris. Allergies and Eczema. Psoriasis. Alopecia. Leucoderma.	3	3	2	2	2	3	3	
	CO5: Develop nursing care plan for above diseases	3	3	2	2	2	3	3	
	CO6: Explain nursing management in patient undergoing skin surgery.	3	3	2	2	2	3	3	
	CO 7: Explain special therapies, alternative therapies in integumentary system problems.	3	3	2	2	2	3	3	
X (15 Hrs)	Hrs) able to including elderly) with musculoskeletal ar					anato	ew of omy and iology of	Special Therapies, alternative therapies.	

explain etiology, clinical manifestations, Pathophysiology, diagnostic tests and medical & nursing management of client with musculoskeletal disorders.  Skill: Render comprehensive care to the client suffering with musculoskeletal disorders.  Attitude: Appreciate the sufferings of congenital musculoskeletal anomalies and contribute effectively in rehabilitation.	manifestat and medic manageme Disorders inflammat inflammat fracture, to osteoporos Spinal col- Prolapsed	Pathophysiolo ion, diagnosis al, surgical, d ent of of: Muscles, l ion, infection ion, infection amor & traum sis. Arthritis, umn – defects inter vertebra sease. Nursing	igaments and trauma. Bon, dislocation, a. Osteomala Congenital cand deformate, disc. Pott's	<ul> <li>syste</li> <li>Drug treats disor musc syste</li> <li>Reha</li> <li>Reccin musc diag process</li> </ul>	treatment of disorders of musculoskeletal system.  Rehabilitation.  Recent advances  replacement surgeries.  (2 Hrs)		
Course outcome	Program out	come					
	Clinician/Nurse educator	Professional	Communicato r		Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO 1: Describe the anatomy and physiology of musculoskeletal system	3	3	2	2	2	3	3
CO2: Identify common musculoskeletal system problems.	3	3	2	2	2	3	3
CO3: Explain nursing assessment including history and physical assessment.	3	3 2 3 2					3

	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Disorders of: Muscles, ligaments and joints-inflammation, infection trauma. Bones-inflammation, infection, dislocation, sprain, fracture, tumor & trauma. Osteomalacia and osteoporosis. Arthritis, Congenital deformities, Spinal column – defects and deformities, tumor,. Prolapsed inter vertebral, disc. Pott's spine. Paget's disease	3	3	2	3	2	3	3
	CO5: Develop nursing care plan for above diseases	3	3	2	3	2	3	3
	CO 6: Explain special therapies, alternative therapies in musculoskeletal system problems.	3	3	2	2	2	3	3
XI (10 Hrs)	At the end of the unit students are able to Knowledge: Describe the etiology, pathopyhsiology, clinical manifestations diagnostic measures and management of patients (adults including elderly) with disorders of immunological systems.  Skill: Identify the patients with immunological disorders and render effective care to immunologically compromised patients.  Attitude: Be sensitive to the psychological needs related to social discriminations of immunologically compromised patients.	including problems physical as physical as Etiology, manifestar and medic management Primary is dysfuncted Acquired Incidence prevention precaution home care	nanagement of elderly) with elderly) with Nursing Assessment. Pathophysiolotions, diagnostal, surgical, dent of Immunodeficie on. B-cell and immunodeficity of HIV & Allot of Transmisses. Roll of nure consideration Nursing proces	essment-History clinical is treatment dietetics and rodeficiency concy. Phagoc T-cell deficiency syndro DS. Transmision. Standarse, Health econ. Infection of	modalities nursing disorder. ytic encies. me (AIDS). ssion-d safely ducation and	<ul> <li>Nation contrements NAC</li> <li>Nation internagend</li> <li>Court</li> <li>Secon immundefic</li> <li>Drugtreated disortimmung syste</li> <li>Social</li> </ul>	one system.  onal AIDS  ol program  O various  onal and national cies.  aseling andary ane iencies.  s used in ment of ders of anological ms.  al stigma & abilitation	<ul> <li>Epidemiology.</li> <li>Special therapies, alternative therapies.</li> <li>(1 Hrs)</li> </ul>

	Course outcome	Program out	come		_		_	
		Clinician/Nurse educator	Professional	Communicator	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher
		PO1	PO2	PO3	PO4	PO5	PO6	PO7
	CO 1: Describe the anatomy and physiology of Immune system.	3	3	2	2	2	3	3
	CO2: Identify common Immune system problems.	3	3	2	2	2	3	3
	CO3: Explain nursing assessment including history and physical assessment.	3	3	2	3	2	3	3
	CO 4: Describe etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Primary immunodeficiency. Phagocytic dysfunction. B-cell and T-cell deficiencies. Acquired immunodeficiency syndrome (AIDS). Incidence of HIV & AIDS.	3	3	3	3	2	3	3
	CO5: Explain role of nurse in standard safety precautions.	3	3	3	3	3	3	3
	CO6:Describe National AIDS control program NACO	3	3	3	3	3	3	3
	CO7:Explain social stigma and rehabilitation of HIV patients	3	3	3	3	3	3	3
	CO8: Develop nursing care plan for above diseases	3	3	2	3	2	3	3
	CO 9: Explain special therapies, alternative therapies in immune system problems	3	3	2	2	2	3	3
XII (20Hrs)	At the end of the unit students are able to <b>Knowledge:</b> Describe the etiology,	<ul> <li>Nursing management of patient (adults including elderly) with Communicable Diseases: Nursing Assessment- History and</li> <li>Overview of infectious disease, the infectious</li> <li>Alternative</li> </ul>						Special therapies, Alternative

pathopyhsiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with communicable diseases.  Skill: Identify the clients with communicable diseases and renders efficient care to the clients suffering from various communicable diseases.  Attitude: Pay special attention to prevent the spread of communicable diseases.	process, clintreatment. Feradication Tuberculosi Herpes. Chi Meningitis. Plague. Ma Poliomyelit Tetanus. Ye Communica Infections. (12Hrs)	nical manifes Prevention an of common of is. Diarrheal ickenpox. Sn Gas gangren laria. Diphtho is. Measles. Ellow fever. I able diseases Nursing proc	idemiology, infections and dietetics. Control communicable diseases. Hepatitis nallpox. Typhoid. Ite. Leprosy. Dengueria. Pertussis. Mumps. Influenza. Filariasis HIV, AID. Reproductive Tracedures.	and ases: A-E. e. S.	process. Special infection of the second of	n, isease n ble e osis	nerapies. 2 Hr)
Course outcome	Program outcome		<del></del>				
	Clinician/Nurse educator	Professional	Communicator	Leader and member of health care team and system	Lifelong learner	Critical thinker	Researcher
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Student will be able to: CO1: Describe epidemiology and infectious process.	3	3	2	3	2	3	3
CO2: Explain common communicable diseases and its prevention.	3	3	2	3	2	3	3

	CO3: Explain etiology, Pathophysiology, clinical manifestation, diagnosis and treatment of Tuberculosis. Diarrheal diseases. Hepatitis A- E. Herpes. Chickenpox. Smallpox. Typhoid. Meningitis. Gas gangrene. Leprosy. Dengue. Plague. Malaria. Diphtheria. Pertussis. Poliomyelitis. Measles. Mumps. Influenza. Tetanus. Yellow fever. Filariasis HIV, AIDS. Communicable diseases. Reproductive Tract Infections.	3	3	2	3	2	3	3
	CO4: Describe special infection control measures, notification, isolation and immunization.	3	3	3	3	3	3	3
	CO5: Develop nursing care plan for above diseases	3	3	2	3	2	3	3
	CO 6: Explain special therapies, alternative therapies in communicable diseases.	3	3	2	3	2	3	3
(25 Hrs)	At the end of the unit students are able to Knowledge: Identify and explain the uses of various instruments used in common surgeries.  Skill: Sterilize instruments, arrange operation trolley and assist minor surgeries.  Attitude: Follows aseptic technique strictly.	team. Dutie • Principles Instruments Equipments surgical pro Gowning ar Monitoring therapeutics waste mana • Anesthesia	s and respons of health and . Sutures and . O.T. tables cedure. Scrub ad gloving. Pr the patient's environment gementTypes, Meth	Members of the Cibility of nurse in Colored I operating room suture materials. and sets for commobing procedures. Reparation of O.T. of Maintenance of the in O.T. Biomedication of administratement, Drugs.	OT. attire: on sets. al ion,	Organization as physical set up the operation theatre: Classification. DESIGN. Staff Standard safely measures. Infection and sterilization. (3 hours) Prevention of accidents and hazards in O.T Pain management techniques. (8 Hrs)	of dupro O.T. ing. ction tion, d on d	gal Aspects ring surgical ocedures. rdio monary suscitation PR) Hr)

Course outcome	Program outcom	gram outcome							
	Clinician/Nurse educator	Professional	Communica tor	Leader and member of the health care team and system	Lifelong learner	Critical thinker	Researcher		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1: Define perioperative nursing	3	3	2	3	2	3	3		
CO2: Explain members of OT team and responsibilities of nurse.	3	3	2	3	2	3	3		
CO3: Explain Principles of health and operating room attire.	3	3	2	3	2	3	3		
CO4: Describe Anesthesia its types, methods of administration, effects and stages and equipments.	3	3	2	3	2	3	3		
CO: 5 Describe organization and physical setup of OT.	3	3	1	3	2	3	3		
CO6: Determine Prevention of accidents and hazards in O.T	3	3	1	3	2	3	3		
CO7: Explain infection control measures	3	3	1	3	2	3	3		
CO8: Determine pain management techniques	3	3	3	3	2	3	3		
CO9: Describe Legal Aspects during surgical procedures	3	3	3	3	2	3	3		
CO10: Explain Cardio pulmonary Resuscitation (CPR)	3	3	3	3	3	3	3		

#### **TEACHING STRATEGY:**

Total teaching hours: 930 Theory Hours: 210 Clinical Hours: 720

#### **TEACHING METHODS:**

• Lectures, Laboratory Demonstration, Group Discussion, Clinical Observation, Workshop and Simulation, Integrated teaching program ,PBL and Modified tutorial

#### **ASSIGNMENTS:**

#### • Theory:

Sr. No	Assignments	No./Quantity	Marks Per Assignment	Total Marks
1	Home assignment	Two	20	40

• One tutorial shall be conducted in each term.

#### • Practical:

#### • Practical:

Sr. No	Assignments	No./Quantity	Marks Per	Total	
			Assignment	Marks	
1	Clinical Performance Evaluation	Three Area	50	150	
2	Case study	One	25	25	
3	Case Presentation	One	25	25	
4	Nursing care plan (Including Therapeutic Diet) One in each Clinical Area- Medicine, Gen. Surgery and orthopedic Surgery	Three	20	60	
5	O.T. Report	One	20	20	
6	Procedure Evaluation	One	20	20	
Total Marks					

#### A.V. AIDS:

 Over head projector, L.C.D. Computer Assisted Instruction, Flip Chart, Posters, Black Board, Mannequins.

#### LIST OF PROCEDURES TO BE DEMONSTRATED:

Unit No.	Procedure to be demonstrated	Unit No.	Procedure to be demonstrated
I	<ul><li>Surgical sepsis</li><li>Dressings</li><li>Care of wound drainage</li></ul>	VI	<ul> <li>Bladder wash / irrigation</li> <li>Care of indwelling catheter – Male and female</li> <li>Condom catheter/Drainage</li> </ul>
III	<ul> <li>Respiratory assessment</li> <li>Assisting in procedures - X-ray chest, MRI, Lung biopsy, bronchoscopy</li> <li>Thoracocentesis, care of</li> </ul>	IV	<ul> <li>Preparing, assessing and witnessing –</li> <li>Barium meal, enema</li> <li>Abdominal paracentesis, Liver biopsy</li> <li>Endoscopies ERCP, OGD, Colonoscopy, Proctoscopy, Sigmoidoscopy.</li> </ul>

patient with chest drainage,	• Liver Function test			
change of chest drainage.	Gastric analysis, stomach wash			
• Care of the patient on ventilators and weaning,	• Gastrostomy feeding, Jejunostomy feeding.			
nebulization	Bowel wash, Colonostomy care.			

#### **PROCEDURES:**

Patients to be prepared for and assisted in: Thoracocentesis, Abdominal paracentasis, Bronchography, Oesophgoscopy, Gastroscopy, Tracheostomy, Sternal Puncture, Removal of sutures, Lumber Puncture, Intravenous infusion, Blood transfusion, Vein section, Kidney biopsy, Bone marrow aspiration, Surgical dressing, Cardiac catheterization, Angiocardiography, Holter monitoring, Liver biopsy, Needle biopsy, Doppler Ultrasound.

#### **Distribution of Clinical Hours:**

Sr. No.	Area of experience	No. of hours	Sr. No.	Area of experience	No. of hours
1	Medical Unit	180	4	Operation Theatre	180
2	Surgery Unit	180	5	Orthopedic Unit	60
3	Cardiac Ward / ICU / CCU	60	6	Skin and Communicable diseases	60
				Total	720

#### LIST OF RECOMMENDED BOOKS:

- Text Book of Medical Surgical Nursing Brunner and Suddarth.
- Medical Surgical Nursing Clinical Positive Out Joyce and Black.
- Medical Surgical Assessment and Management of clinical problems Lewis, Colliner.
- Medical Surgical Nursing A psychopathologic approach- Luckmann and Sorenson.
- Medical Surgical Nursing A Nursing Process Approach.
- Medical Surgical Nursing B.T. Basvanthappa.
- Medical Surgical Nursing an integrated approach Write L. and Delmar.
- Moroneys Surgery for Nurses Colmer.
- API Text Book Medicine- Shah N.S.
- Pharmacology and Pharmacotherapeutics Satoskat and Bhandarkar.
- Fundamentals of Operation Theatre Services Datta T.K.
- Fundamentals of orthopedics Maheshwari.
- Illustrated Textbook of Dermatology Parischa J.S., Gupta.
- Davidson principles and practice of Medicine.
- The Lippincott Manual of Nursing Practice Nettina, Sandra.