



Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR201	Title of the Course	Applied Microbiology and Infection Control including safety	L	T	P	C
Year	2	Semester	III	1	1	2	3
Pre-Requisite		Co-requisite					
Course Objectives	This course is designed to enable students to acquire understanding of fundamentals of Microbiology, compare and contrast different microbes and comprehend the means of transmission and control of spread by various microorganisms. It also provides opportunities for practicing infection control measures in hospital and community settings.						

Course Outcomes	
CO1	Students would able to explain the history of modern microbiology and Importance & relevance to nursing, Historical ,Concepts and terminology and Principles of microbiology
CO2	Students would able to describe Describes pathogenic micro-organism and types of immunity.
CO3	Students would able to Explain Hospital acquired infection , isolation precautions and use of personal protective equipment
CO4	Students would able Demonstrate skill about bio medical Waste management process and infection prevention
CO5	Students would able to Explain incidents and adverse events, international patient safety goals, safety protocols, employee safety indicators and health care workers immunization programme and management of occupational exposure.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	: Introduction and general characteristics of microbes	Introduction -Importance and relevance to nursing , Historical perspective, Concepts and terminology and Principles of microbiology and General characteristics of microbes ,Structure and classification of Microbes, Morphological types, Size and form of bacteria, Motility, Colonization, Growth and nutrition of microbes, Temperature, Moisture, Blood and body fluids, Laboratory methods for identification of microorganisms, Types of staining – simple, differential (Gram's, AFB), special – capsular staining (negative), spore, LPCB, KOH amount, Culture and media preparation – solid and liquid. Types of media – semi synthetic, synthetic, enriched, enrichment, selective and differential media. Pure culture techniques – tube dilution, pour, spread, streak plate, anaerobic cultivation of bacteria.	13	CO1
2	Title of the unit : Pathogenic organisms and Immunity	. Pathogenic organisms- Micro-organisms cocci – gram positive and gram negative, bacilli - gram positive and gram negative, Viruses, Fungi – superficial and deep mycoses, Parasites, Rodents & vectors, Characteristics, source, portal of entry, transmission of infection, identification of disease producing micro-organism and Immunity- Immunity types, classification, Antigen and antibody reaction, Hypersensitivity reactions, Serological tests, Immunoglobulin – structure, types & properties, Vaccines – types & classification, storage and handling, cold chain, immunization for various diseases, Immunization schedule.	7	CO2
3	Title of the unit : Hospital acquired infection & Isolation precautions and use of personal protective equipment	Hospital acquired infection- Bundle approach- Prevention of urinary tract infection, Prevention of surgical site infection, Prevention of ventilator associated events, Prevention of central line associated blood stream infection, Surveillance of HAI – infection control team & infection control committee and Isolation precautions and use of personal protective equipment - Types of isolation system, standard precaution and transmission-based precautions (direct contact, droplet, indirect), Epidemiology & infection prevention – CDC guidelines, Effective use of PPE and Hand hygiene- Types of hand hygiene, Hand washing and use of alcohol hand rub, Moments of hand hygiene, WHO hand hygiene promotion and Disinfection and sterilization- Definitions, Types of disinfection and sterilization, Environment cleaning, Equipment cleaning, Guides on use of disinfectants, Spaulding's principle and Specimen collection (review)- Principles of specimen collection, Types of specimen, Collection techniques and special considerations, Appropriate containers, Transportation of the sample, Staff precautions in handling specimens.	20	CO3
4	Title of the unit: BMW , Antibiotic stewardship and Patient safety indicators	BMW (bio medical waste management)-Waste management process and infection prevention, Staff precautions, Laundry management ,Country ordinance and BMW national guidelines 2017: Segregation of wastes, color coded waste containers, waste collection & storage, packaging & labeling, transportation and Antibiotic stewardship- Importance of antibiotic stewardship, Anti microbial resistance , Prevention of MRSA, MDRO in healthcare setting and Patient safety indicators- Care of Vulnerable patients, Prevention of iatrogenic injury, Care of lines, drains and tubing's , Restrain policy and care – physical and chemical, Blood & blood transfusion policy, Prevention of IV complication, Prevention of fall, Prevention of DVT, Shifting and transporting of patients, Surgical safety, Care coordination event related to medication reconciliation and administration, Prevention of communication errors, Prevention of HAI and Documentation.	6	CO4
5	Incidents and adverse events and Safety protocol	Incidents and adverse events -Capturing of incidents, RCA, CAPA, Report writing , IPSG (international patient safety goals) -Identify patient correctly, Improve effective communication, Improve safety of high alert medication, Ensure safe surgery, Reduce the risk of health care associated infection, Reduce the risk of patient harm resulting from falls, Reduce the harm associated with clinical alarm system, Safety protocol- 5 S, Radiation safety, Laser safety, Fire safety-Types and classification of fire , Fire alarms, Firefighting equipment, HAZMAT safety- Types of spill, Spillage management, MSDS, Environmental safety- Risk assessment, Aspect impact analysis, Maintenance of Temp and Humidity (Department wise Audits), Emergency Codes, Role of nurse in times of disaster , Employee safety indicators-Vaccination, NSI prevention, Fall prevention, Radiation safety,Annual health check and Healthcare worker immunization programme and management of occupational exposure- Occupational health ordinance, Vaccination programme for healthcare staff, Needle stick injuries and prevention and Post exposure prophylaxis.	6	CO5

Reference Books:

1. **Essential of Microbiology for Nurses , I Kannan, Elsevier Science, 1st Edition**
2. **Microbiology, N Arumugam, A.Thangamani, L.M. Naarayan , Saras Publication, 1st Edition**
3. **Microbiology for Nurses , R.L. Ichhichhpiyani, Rajesh Bhatia, Jp, Edition 2nd**

4. Textbook of Microbiology for Nurse, Preety Sharma, Vardhan Publication & Distributors, 1st Edition
e-Learning Source:
http://library.iul.ac.in/ELibrary.aspx
http://library.iul.ac.in/ELibrary.aspx
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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	2	3	3	3	2	3	3	1	3	2	1	1	2	3	2	2	1	2
CO2	3	1	3	2	2	1	2	3	3	2	1	3	2	2	1	1	2	3	2
CO3	3	2	2	2	3	3	3	2	3	3	2	2	3	1	2	3	3	2	3
CO4	3	1	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1	2
CO5	3	2	2	3	2	2	2	1	2	3	2	2	1	1	1	1	1	2	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD



Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR203	Title of the Course	Adult Health Nursing-I	L	T	P	C
Year	2	Semester	III	6	1	0	7
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assist students to acquire the knowledge and develop proficiency in caring for patients with medical surgical disorders in varieties of health care settings and at home.						

Course Outcomes	
CO1	Students would be able to understand the trends in medical & surgical nursing, Role of nurse in caring for adult patient in hospital and community, Concept of medical surgical asepsis, Operation Theatre Nursing, management of common signs and symptoms.
CO2	Students would be able to analyze common respiratory problems, management and Nursing management of patients (adults including elderly) with digestive system disorders.
CO3	Students would explore and describe the cardiac and vascular conditions and its nursing management, demonstrate nursing procedures, nursing management of patients with blood disorders.
CO4	Students would be able to describe the nursing management of patient with endocrine disorders, integumentary system disorders, musculoskeletal problems.
CO5	Students would be able to enhance the nursing management of patient with communicable diseases.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Title of the unit : Introduction of medical surgical nursing & peri operative nursing care, nursing management of patient with common signs and symptoms .	Introduction to Medical Surgical Nursing – Evolution and International Classification of diseases (ICD - 10 or later version), Role and responsibilities of a Nurse in medical surgical settings: Outpatient department, In - Patient unit, Intensive care unit, medical surgical asepsis- Inflammation and Infection, Wound healing, Care of Surgical patient, Pre – operative, Intra operative, Post operative. Alternative therapies used in caring for patients with Medical Surgical Disorders. Organization and physical set up of the operation theatre, Classification, OT design, Staffing, Members of the OT team, Duties and responsibilities of the nurse in OT, Position and draping for common surgical procedures, Instruments, sutures and suture materials, equipment for common surgical procedures, Disinfection and sterilization of equipment, Preparation of sets for common surgical procedures, Scrubbing procedures – gowning, masking and gloving, Monitoring the patient during the procedures, Maintenance of the therapeutic environment in OT, Assisting in major and minor operation, handling specimen, Prevention of accidents and hazards in OT, Anesthesia – types, methods of administration, effects and stages, equipment & drugs, Legal aspects nursing care of patient with common signs and symptoms and management Fluid and electrolyte imbalance, Shock, Pain.	27	CO1
2	Title of the unit : Nursing management of patients with respiratory problems, digestive system disorder	Anatomy and physiology of respiratory system, Nursing Assessment, History and physical assessment, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with- Upper Respiratory tract infections, Bronchitis, Asthma, Emphysema, Atelectasis, Chronic Obstructive Pulmonary Disease(COPD), Bronchiectasis, Pneumonia, Pulmonary tuberculosis, Lung abscess, Pleural effusion, Cysts and Tumors , Chest injuries, Respiratory arrest and insufficiency, Pulmonary embolism, Special therapies, alternative therapies, Nursing procedures, Drugs used in treatment of respiratory disorders. Review of anatomy and physiology of GI system, Nursing assessment – History and physical assessment, GI investigation, Common GI disorders: Oral cavity-lips, gums and teeth, GI – bleeding, infections, inflammation, tumors, obstruction, perforation & peritonitis, Peptic & duodenal ulcer, Mal-absorption, Appendicitis, Hernias, Hemorrhoids, Fissures, Fistulas, Pancreas – inflammation, cysts and tumors, Liver-inflammation, cysts, abscess, cirrhosis, portal hypertension, hepatic failure, tumors, Gall bladder – inflammation, Cholelithiasis, tumors, Gastric decompression, gavage and stoma care, different feeding techniques, Alternative therapies, drugs used in treatment of disorders of digestive system.	34	CO2
3	Title of the unit : Nursing management of patient(adults including elderly)with blood and cardiovascular problems, blood disorders.	Review of anatomy and physiology, nursing management of- Hypertension, Hypotension, Arteriosclerosis , Raynaud's disease, Aneurism and Peripheral ,vascular disorders of Heart, Coronary artery diseases, Ischemic Heart Disease, Coronary atherosclerosis, Angina pectoris, Myocardial infarction, Valvular disorders of the heart, Rheumatic Heart diseases, Endocarditis, pericarditis, Myocarditis, Cardio Myopathies, Cardiac dysrhythmias, Heart Block, Congestive cardiac failure, Cor-pulmonale, pulmonary edema, cardiogenic shock ,cardiac tamponade, Cardiac emergencies and arrest, CardioPulmonary Resuscitation(CPR) Anaemias, Polycythemia, Bleeding disorders;clotting factor defects and platelets defects, Thalassemia, Leukaemias, Leukopenias and agranulocytosis, Lymphomas, Myelomas.	27	CO3
4	Title of the unit : Nursing management of disorder of endocrine system, integumentary system, musculoskeletal prob	Review of anatomy and physiology of endocrine system, Nursing assessment – history and physical assessment disorders of thyroid and parathyroid, adrenal and pituitary (hyper, hypo, tumors) diabetes mellitus, review of anatomy and physiology of skin, nursing assessment – history and physical assessment, Infection and infestations; dermatitis, dermatoses, infectious and non infectious Acne Allergies, Eczema & Pemphigus, Review of anatomy and physiology of the musculoskeletal system, Nursing assessment – history and physical assessment, diagnostic tests, Musculoskeletal trauma: Dislocation, fracture, sprain, strain, contusion, amputation, Musculoskeletal infections and tumors: Osteomyelitis, benign and malignant tumor, Orthopedic modalities: cast, splint, traction, crutch walking Musculoskeletal inflammation: Bursitis, synovitis, arthritis, Special therapies, alternative therapies, Metabolic bone disorders: Osteoporosis, osteomalacia and paget's disease, Spinal column defects and	32	CO4

	lems.	deformities – tumor, prolapsed intervertebral disc, Pott's spine, Rehabilitation, prosthesis, Replacement surgeries, Psoriasis, Malignant melanoma, Alopecia, Special therapies, alternative therapies, Drugs used in treatment of disorders of integumentary system.		
5	Nursing management of patients with communicable diseases.	Overview of infectious diseases, the infectious process, Nursing assessment – history and physical assessment, diagnostic tests, Tuberculosis, Diarrhoeal diseases, hepatitis A-E, Typhoid, Herpes, Chickenpox, Smallpox, Measles, Mumps, Influenza, Meningitis, Gas gangrene, Leprosy, Dengue, Plague, Malaria, Chikungunya, Swine flu, Filariasis, Diphtheria, Pertussis, Tetanus, Poliomyelitis, Special infection control measures: Notification, Isolation, Quarantine, Immunization.	20	CO5

Reference Books:

1. Brunner & Suddarths 13th edition

2. BT Basavanthapa

3. SN Chugh 2nd edition

4. Chintamani mani 3rd edition

e-Learning Source:

<http://library.iul.ac.in/ELibrary.aspx>

<https://india.oup.com/>

<https://www.doabooks.org/>

<https://india.oup.com/>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	2	2	3	3	2	3	3	3	2	2	3	1	2	3	2	2	2	2
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	1	1	3	2	3	2
CO3	3	2	2	2	3	3	3	2	3	2	2	1	1	3	2	2	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	3	1	2	2	1	1	2	1	2
CO5	3	2	2	3	2	2	2	1	3	2	2	2	1	1	2	2	1	2	3

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2022-23							
Course Code	NR204	Title of the Course	Adult Health Nursing -1 Lab	L	T	P	C
Year	2	Semester	III	0	0	2	1
Pre-Requisite		Co-requisite					
Course Objectives	On completion of the clinical practicum, the students will be able to apply nursing process and critical thinking in delivering holistic nursing care including rehabilitation to the adult patients undergoing surgery, with shock and fluid and electrolyte imbalance and with selected medical & surgical conditions i.e., Gastrointestinal, Respiratory, Endocrine, Orthopedic, Dermatology and Cardiovascular disorders						

Course Outcomes	
CO1	Students would able to understand the trends in medical & surgical nursing, Role of nurse in caring for adult patient in hospital and community, Concept of medical surgical asepsis, Operation Theatre Nursing, management of common sign and symptoms.
CO2	Students would able to analyze common respiratory problems, management and Nursing management of patients (adults including elderly) with digestive system disorders.
CO3	Students would explore and describe the cardiac and vascular conditions and its nursing management, demonstrate nursing procedures, nursing management of patients with blood disorders.
CO4	Students would able to describe the nursing management of patient with endocrine disorders, integumentary system disorders, musculoskeletal problems.
CO5	Students would able to enhance the nursing management of patient with communicable diseases.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mapped CO
1.	I	Intravenous therapy Chest	10	1
2.	II	Oxygen through mask	10	1
3.	III	Oxygen through nasal prongs	10	1
4.	IV	Ventura mask	10	2
5.	V	Nebulization	10	2
6.	VI	Chest physiotherapy	10	2
7.	VII	Pre-operative care , Pain assessment	10	3
8.	VIII	Post-operative exercise	10	3
9.	IX	Immediate post-operative care	10	4
10.	X	Nebulization	10	4
11.	XI	Physiotherapy,Postural drainage	10	4

Reference Books:	
1.	1. Brunner & Suddarths 13 th editio
2.	BT Basavanthapa
3.	SN Chugh 2 nd edition
4.	Chintamani mani 3 rd edition
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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4

PSO																
CO																
CO1	3	2	2	3	3	2	3	3	3	2	2	3	1	2	3	1
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	1	1	3
CO3	3	2	2	2	3	3	3	2	3	2	2	1	1	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	3	1	2	2	1	1

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

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<div>Name & Sign of Program Coordinator</div>	<div>Sign & Seal of HoD</div>



Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR205	Title of the Course	Clinical Posting	L	T	P	C
Year	2	Semester	III	0	0	0	0
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assist students to acquire the knowledge and develop proficiency in caring for patients with medical surgical disorders in various settings of health care and at home.						

Course Outcomes	
CO1	Students would be able to understand the trends in medical & surgical nursing, Role of nurse in caring for adult patient in hospital and community, Concept of medical surgical asepsis, Operation Theatre Nursing, management of common signs and symptoms
CO2	Students would be able to analyze common respiratory problems, management and Nursing management of patients (adults including elderly) with digestive system disorders
CO3	Students would explore and describe the cardiac and vascular conditions and its nursing management, demonstrate nursing procedures, nursing management of patients with blood disorders.
CO4	Students would be able to describe the nursing management of patient with endocrine disorders, integumentary system disorders, musculoskeletal problems.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mapped CO
12.		PROCEDURAL COMPETENCIES/CLINICAL SKILLS: Pre-operative care Immediate post-operative care Post-operative exercise ,Pain assessment Pain management	10	1
13.		Cardiac monitoring ,Recording and interpreting ECG,Arterial blood gas analysis – interpretation	10	1
14.		Administer cardiac drugs,Preparation and after care of patients for cardiac	10	1
15.		catheterization ,CPR,Collection of blood sample for,Blood grouping	10	2
16.		cross matching Blood sugar Serum electrolytes Assisting with blood transfusion	10	2
17.		Assisting for bone marrow aspiration Application of antiembolism stockings (TED hose)	10	2
18.		Suture removal,Surgical soak ,Sitz bath,Care of drain	10	3
19.		Assisting diagnostic procedure and after care of patients undergoing Colonoscopy ,ERC,Endoscopy,Liver	10	3
20.		Application / maintenance of sequential compression device	10	4
21.		, Biopsy,Nasogastric aspiration,Gastrostomy / Jejunostomy feeds ,Ileostomy / Colostomy care	10	4
22.		Surgical dressing	10	4

Reference Books:

Brunner & Suddarths 13 th edition

BT Basavanthappa

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2	3	3	2	3	3	3	2	2	3	1	2	3	2
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	1	1	3
CO3	3	2	2	2	3	3	3	2	3	2	2	1	1	3	2	2
CO4	3	2	3	3	2	2	2	2	3	2	3	1	2	2	1	1
	3	2	2	3	2	2	2	1	3	2	2	2	1	1	2	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

<p>Name & Sign of Program Coordinator</p>	<p>Sign & Seal of HoD</p>
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Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR206	Title of the Course	Pharmacology and Pathology & Genetics-II	L	T	P	C
Year	2	Semester	IV	3	1	0	4
Pre-Requisite		Co-requisite					
Course Objectives	This course is designed to enable the students to acquire knowledge of Pharmacodynamics, Pharmacokinetics and Principles of Therapeutics and Nursing implications, pathology of various disease conditions and its role in causation and management of defects and diseases and apply this knowledge in practice of nursing.						

Course Outcomes	
CO1	Students would able to describe Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse of Antihistaminics, Topical applications for eye (Chloromphenicol), Gentamycin eye drops), ear (Soda Glycerine, Boric Spirit ear drop), Nose and Buccal cavity – chlorhexidine mouth wash, Renin angiotensin system, Diuretics and antidiuretics ,Drugs toxic to kidney ,Urinary antiseptic ,Treatment of UTI – acidifiers and alkalizers ,Analgesics and anaesthetics, Hypnotics and sedatives ,Skeletal muscle relaxants ,Anti psychotics ,Antidepressants Antianxiety drugs, Anticonvulsants ,neurodegenerative disorders & miscellaneous drugs ,Stimulants, ethyl alcohol and treatment of methyl alcohol poisoning.
CO2	Students would able to describe Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse of Estrogens and progesterones,Vaginal contraceptives,Drugs for infertility and medical termination of pregnancy, Tetanus prophylaxis, Iron and Vitamin K supplementation ,Oxytocin, Misoprostol ,Ergometrine ,Methyl prostaglandin F2-alpha ,Magnesium sulphate ,Calcium gluconate, Drugs used for deaddiction,CPR and emergency-adrenaline, Chlorpheniramine, hydrocortisone, Dexamethasone,IV fluids & electrolytes replacement ,Common poisons, drugs used for treatment of poisoning,Vitamins and minerals supplementation,Vaccines & sera (Universal immunization programme schedules),Anticancer drugs – Chemotherapeutic drugs commonly used ,Immuno-suppressants and immunostimulants.
CO3	Students would able to describe Ayurveda, Homeopathy, Unani and Siddha etc.Drugs used for common ailments, Prescriptive role of nurse practitioners: introduction,Legal & ethical issues related to prescribing ,Steps of prescribing,Prescribing competencies..
CO4	Students would able to explain Pathological changes in kidney & urinary tract,male genital system,female genital system,breast,central nervous system.
CO5	Describe the introduction, maternal, prenatal & genetic influence on development of defect & diseases, genetic testing in the neonates & children, genetics condition of adolescents & adults, services related to genetic.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Title of the unit : Drugs used in disorders of ear, nose, throat & eye, urinary system and nervous	Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse of Antihistaminics, Topical applications for eye (Chloromphenicol), Gentamycin eye drops), ear (Soda Glycerine, Boric Spirit ear drop), Nose and Buccal cavity – chlorhexidine mouth wash, Renin angiotensin system, Diuretics and antidiuretics ,Drugs toxic to kidney ,Urinary antiseptic ,Treatment of UTI – acidifiers and alkalizers ,Analgesics and anaesthetics, Hypnotics and sedatives ,Skeletal muscle relaxants ,Anti psychotics ,Antidepressants Antianxiety drugs, Anticonvulsants ,neurodegenerative disorders & miscellaneous drugs ,Stimulants, ethyl alcohol and treatment of methyl alcohol poisoning.	18	CO1
2	:Drugs used for hormonal, disorders and supplementation, contraception and medical termination of pregnancy, drugs used for pregnant women during antenatal, labour and postnatal	Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse of Estrogens and progesterones,Vaginal contraceptives,Drugs for infertility and medical termination of pregnancy, Tetanus prophylaxis,Iron and Vitamin K supplementation ,Oxytocin, Misoprostol ,Ergometrine ,Methyl prostaglandin F2- alpha ,Magnesium sulphate ,Calcium gluconate, Drugs used for deaddiction,CPR and emergency-adrenaline, Chlorpheniramine, hydrocortisone, Dexamethasone,IV fluids & electrolytes replacement ,Common poisons, drugs used for treatment of poisoning,Vitamins and minerals supplementation,Vaccines & sera (Universal immunization programme schedules),AChemotherapeutic drugs commonly used ,Immuno-suppressants and immunostimulants.nticancer drugs –	18	CO2
3	Drugs used in alternative systems of medicine, fundamental principles of prescribing	Ayurveda, Homeopathy, Unani and Siddha etc.Drugs used for common ailments, Prescriptive role of nurse practitioners: introduction,Legal & ethical issues related to prescribing ,Steps of prescribing,Prescribing competencies.	24	CO3
4	Pathological changes in disease conditions in selected system:	KIDNEY & URINARY TRACT-Glomerulonephriti, Pyelonephritis, Renal Calculi, Cystitis ,Renal Cell Carcinoma,Renal Failure (Acute & Chronic),MALE GENITAL SYSTEM-Cryptorchidism,Testicular Atrophy,Prostatic Hyperplasia carcinoma Penis & Prostate,FEMALE GENITAL SYSTEM-Carcinoma Cervix,Carcinoma Endometrial,Uterine Fibroids,Vesicular Mole And Choriocarcinoma,Ovarian Cyst And Tumors,BREAST-Fibrocystic Changes,Fibro adenoma,Carcinoma Of The Breast,CENTRAL NERVOUS SYTEM-Meningitis,Encephalitis,Stroke,Tumors Of CNS.	10	CO4
5	: Introduction, maternal, prenatal & genetic influence on development of defect & diseases, genetic testing in the neonates & children, genetics condition of adolescents & adults, services related to genetics	Introduction-Practice application of genetics in nursing, Impact of genetic condition on families ,Review of cellular division: mitosis & meiosis, Characteristics & structure of genes, Chromosomes: sex determination ,Chromosomal aberrations,Patterns of inheritance ,Mendelian theory of inheritance,Multiple allots & blood groups,Sex linked inheritance ,Mechanism of inheritance,Errors in transmission (mutation),maternal, prenatal & genetic influence on development of defect & diseases-Condition affecting the mother: genetic & infections,Consanguinity atopy,Prenatal nutrition & food allergies,Maternal age,Maternal drug therapy,Prenatal testing & diagnosis,Effects of radiation, drugs & chemicals,Infertility,Spontaneous abortion,Neural tube defects & role of folic acid lowering the risks,Down syndrome (Trisomy 21)Genetic testing in the neonates & children -screening for:Congenital abnormalities,Development delay,Dysmorphism,genetics condition of adolescents & adults -Cancer genetics : familial cancer,Unborn error metabolism,Blood group alleles & hematological disorder,Genetics haemochromatosis,Huntington's disease,Mental illness,services related to genetics-Genetic testing,Gene therapy,Genetic counseling,Legal & ethical issues. Role of nurse	10	CO5

Reference Books:

Krishnara ,Textbook Of Pathology & Genetics For B.Sc Nursing

Chaitra K, Textbook of Pathology and Genetics for BSc Nursing Students

Suresh K. Sharma-Textbook of pharmacology,pathology and genetics,first edition,2016
Textbook of Microbiology for Nurse, Preety Sharma, Vardhan Publication & Distributors, 1 st Edition
e-Learning Source:
http://library.iul.ac.in/ELibrary.aspx
http://library.iul.ac.in/ELibrary.aspx
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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	3	3	3	3	3	2	3	3	2	2	3	1	2	3	2	2	2	2
CO2	3	3	3	3	3	3	2	3	3	3	3	2	2	1	2	1	3	2	2
CO3	2	3	2	3	2	3	2	3	3	2	3	3	1	3	1	2	2	2	2
CO4	3	3	3	2	3	3	1	2	2	3	2	2	2	2	2	3	1	4	3
CO5	3	3	3	3	3	2	2	3	2	3	2	2	2	2	1	1	4	3	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD



Integral University, Lucknow

Effective from Session: 2022-2023

Course Code	NR207	Title of the Course	Adult Health Nursing- II	L	T	P	C
Year	2	Semester	IV	6	1	0	7
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge and develop proficiency in caring for patients with medical surgical disorders in varieties of health care settings and at home.						

Course Outcomes

CO1	Students would able to understand the disorders of ear, nose, throat and nursing management of patient with disorders of ear, nose, throat, eye and kidney and urinary problems.
CO2	Students would able to analyze disorders of male reproductive system and its nursing management, Nursing management of patient with burns , reconstructive and cosmetic surgery and neurological disorders.
CO3	Students would explore and describe the immunological problems and its nursing management and nursing management of patient with oncological conditions.
CO4	Students would able to describe the nursing management of patient in emergency and disaster situation.
CO5	Students would able to enhance the nursing care of the elderly, nursing management of patients in critical care units, occupational and industrial disorders.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Title of the unit : Nursing management of patients with disorders of ear, nose and throat, disorders of eye, kidney and urinary problems.	Review of anatomy and physiology of the ear, nose and throat. History, physical assessment and diagnostic tests, External ear - deformities otalgia, foreign bodies and tumors, Middle Ear – impacted wax, tympanic, membrane perforation, otitis media and tumors, Inner Ear – Meniere’s disease, labyrinthitis, ototoxicity tumors, Upper respiratory airway infections – Rhinitis, sinusitis, tonsillitis, laryngitis, Epistaxis, nasal obstruction, laryngeal obstruction, Deafness and its management ,Review of anatomy and physiology of the eye, history, physical assessment and diagnostic tests. Eye Disorders- Refractive errors, Eyelids – infection, deformities, Conjunctiva – inflammation and infection bleeding, Cornea – Inflammation and infection, Lens – Cataracts, Glaucoma, Retinal detachment, Blindness, Eye banking, eye donation, Review of anatomy and physiology of the genitourinary system, History, physical assessment and diagnostic tests Urinary tract infections – acute, chronic, lower, upper, Nephritis, nephrotic syndrome, Renal calculi, Acute and chronic renal failure, Disorders of ureter, urinary bladder and Urethra, Disorders of prostate – inflammation, infection, stricture, obstruction and Benign Prostate Hypertrophy.	39	CO1
2	Title of the unit : Nursing management of disorders of male reproductive system, burns, reconstructive and cosmetic surgery, and neurological disorders.	Review of anatomy and physiology of the male reproductive system. History, physical assessment, diagnostic tests, Infection of testis, penis and adjacent structures – Phimosis, Epididymitis and Orchitis, Sexual dysfunction, infertility, contraception, Male breast disorders – gynecomastia, tumor, climacteric changes, Review of anatomy and physiology of the skin and connective tissues. History, physical assessment, assessment of burns and fluid & electrolytes loss, Burns, Reconstructive and cosmetic surgery for burns, congenital deformities, injuries and cosmetic purposes, gender reassignment, Legal and ethical aspects, Special therapies: LAD, vacuumed dressing. Laser, liposuction, skin health rejuvenation, use of derma filters ,Review of anatomy and physiology of the neurological system. History, physical neurological assessment, diagnostic tests, Headache, head injuries, Spinal injuries – Paraplegia, Hemiplegia, Quadriplegia, Spinal cord compression – herniation of in vertebral disc, Intra cranial and cerebral aneurysms, Meningitis, encephalitis, brain, abscess, neuro cysticercosis, Movement disorders – Chorea, Seizures & Epilepsies, Cerebro-vascular disorders-CVA, Cranial, spinal neuropathies – Bell’s palsy, trigeminal neuralgia, Peripheral Neuropathies, Degenerative diseases – Alzheimer’s disease, Parkinson’s disease, Guillain-Barre Syndrome, Myasthenia gravis & Multiple sclerosis, Rehabilitation of patient with neurological deficit.	32	CO2
3	Title of the unit : Nursing management of patient with immunological problems, oncological conditions.	Review of Immune system, Nursing assessment – History and physical assessment, HIV & AIDS: Epidemiology, Transmission, Prevention of Transmission, Role of Nurse, Counseling, Health education and home care consideration, National AIDS Control Programme – NACO, various national and international agencies, infection control programme, Rehabilitation. ,Structure and characteristics of normal and cancer cells, History, physically assessment, diagnostic tests, Prevention screening early detections warning sign of cancer, Epidemiology, etiology classification, Pathophysiology, staging clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Oncological condition, Common malignancies of various body system eye, ear, nose, larynx, breast, cervix, ovary, uterus, sarcoma, renal, bladder, kidney, prostate brain, spinal cord, Oncological emergencies, Modalities of treatment – chemotherapy, radiotherapy – radiation safety, AERB regulations, surgical intervention, stem cell and bone marrow transplant, immunotherapy, gene therapy, Psychological aspects of cancer- anxiety, depression, insomnia, anger, Palliative care, Supportive care, Hospice care.	24	CO3
4	Title of the unit : Nursing management of patient in emergency and disaster situation.	Concept and principle of disaster nursing, related policies,Types of disaster, natural and manmade, Disaster preparedness – team, guidelines, protocols, equipment, resources, Etiology, classification, Pathophysiology, staging, clinical manifestation, diagnosis, treatment, modalities and medical and surgical ,nursing management of patient with medical and surgical emergencies – Poly trauma, Bites, Poisoning and Thermal emergencies, Principles of emergency management, Medico legal aspects	15	CO4
5	Nursing care of the elderly, nursing management of patients in critical care units, occupational and industrial disorders.	History and physical assessment, Aging process and age related body changes and psychosocial aspects, Stress and coping in elder patient, Psychosocial and sexual abuse of elderly, Role of family and formal and non-formal caregivers, Use of aids and prosthesis (hearing aids, dentures), Legal and ethical issues, National programmes for elderly, privileges, community programmes and health services, Home and institutional care. ,Principles of critical care nursing, Organization: Physical setup, policies, staffing norms, Protocols, equipment and supplies, Special equipment: ventilators, cardiac monitors, defibrillators, infusion pump, Resuscitation equipment, Advanced cardiac life support, Nursing management of critically ill patient, Transitional care, Ethical and legal aspects, Breaking Bad News to	30	CO5

		patients and / or their families – communication with patient and family, End of life care, History, physical examination, diagnostic tests, Occupational diseases and management.		
Reference Books:				
1. Brunner & Suddarths 13 th edition 2. BT Basavanthapa 3 rd edition 3. SN Chugh 2 nd edition 4. Chintamani mani 3 rd edition 5. Joyce M Black 8 th edition 6. Lippincott's 5 th edition 7. SN Chugh 2 nd edition				
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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	2	3	3	3	3	2	3	2	1	2	3	2	2	2	2
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	1	2	3	3	2	2
CO3	3	3	2	2	3	3	3	2	3	2	2	1	1	2	1	2	2	3	2
CO4	3	2	3	3	2	2	2	2	3	2	3	1	1	1	2	3	1	2	3
CO5	3	2	2	3	2	2	2	1	3	2	2	2	2	1	1	2	2	1	2

1- 1Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR208	Title of the Course	Professionalism, Professional values & Ethics including bioethics	L	T	P	C
Year	2	Semester	IV	1	0	0	1
Pre-Requisite		Co-requisite					
Course Objectives	This course is designed to help the students to develop an understanding of professionalism & demonstrate professional behavior in their workplace with the ethics & professional values. Further the students will be able to identify ethical issues in nursing practice and participate effectively in ethical decision making along with health team members						

Course Outcomes	
CO1	The students will be able to- Describe profession & professionalism, Identify the challenges of professionalism, Maintain respectful communication & relationship with other health team members patient & society and Demonstrate professional conduct
CO2	The students will be able to- Describe various regulatory bodies & professional organizations related to nursing, Discuss the importance of professional values in patient care and Explain the professional values & demonstrate appropriate professional values in nursing practice.
CO3	The students will be able to -Demonstrate & reflect on the role & responsibilities in providing compassionate care in health care settings and Demonstrate respect, human dignity & privacy & confidentiality to self, patients & their caregivers & others health team members.
CO4	The students will be able to-Identify ethical & bioethical concern issue & dilemmas in nursing & health care and Apply knowledge of ethics & bioethics in ethical decision making along with health team members.
CO5	The students will be able to - Protect and respect patient's right.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Title of the unit : Profession & Professionalism	Profession-Definition of Profession, Criteria of a Profession, Nursing as a Profession , Professionalism- Definition & characteristics of professionalism Concept, attributes & indicators of professionalism, Challenges of professionalism, Personal identity vs. professional identity, Preservation of self integrity: threat to integrity, deceiving patient: withholding information & falsifying records, Communication & relationship pertaining to relevant interests for ethical decision making, Relationship with patient and society. professional conduct- Following ethical principles, Adhering to policies, rules & regulation of the institution, Professional etiquettes & behaviors, Professional grooming : uniform , dress code , Professional boundaries: professional relationship with the patients, caregivers & team members, and Regulatory bodies & professional organization: role & responsibilities- Regulatory bodies: Indian nursing council, state nursing council, Professional organizations: trained nurse association (TNAI), Student nurse association (SNA), NURSE league of Christian medical association of india, International council of nurse (ICN),international confederation of midwives.	5	CO1
2	Title of the unit : Professional value	Professional value-Values: definition & characteristics of values ,Value clarification, Personal & professional values, Professional socialization : integration of professional values with personal values professional values in nursing, Importance of professional values in nursing & health care Caring : definition & process, Compassion: sympathy vs. empathy altruism, Conscientiousness, Dedication / devotion to work, Respect for the person: human dignity, Privacy & confidentiality: incidental disclosure, Honesty & integrity : truth telling, Trust & credibility : fidelity, loyalty Advocacy: advocacy for patients, work environment, nursing education & practice & for advancing the profession.	3	CO2
3	Title of the unit : Bioethics	Definition: ethics, bioethics & ethical principles- Beneficence, Non- maleficence: patient safety, protecting patient from harm, reporting errors, Justice: treating each person as equal, Care without discrimination, equitable access to care & safety of the public, Autonomy: respects patient's autonomy, self determinations, freedom of choice.	2	CO3
4	Title of the unit : Ethical issues & ethical dilemma	Common ethical problems- Conflict of interest ,Paternalism, Deception, Privacy & confidentiality , Valid consent and refusal, Allocation of scarce nursing resources, Conflicts concerning new technologies Whistle blowing, Beginning of life issues, Abortion Substances of abuses, Fetal therapy, Selective deduction, Intrauterine treatment of fetal condition, Mandated contraception, Fetal injury, Infertility treatment, End of life issues, End of life, Euthanasia, Do not resuscitate (DNR), Issues Related To Psychiatric Care , Noncompliance, Restrain & seclusion, Refuse to take food. Process of ethical decision making- Assess the situations (collect information), Identify the ethical problem, Identify the alternative decision, Choose the solution to the ethical decision, Implement the decision, Evaluate the decision and ethics committee: role & responsibilities: Clinical decision making, Research and code of ethics-International council of nurse (ICN) Rights to emergency medical care and Indian nursing council	5	CO4
5	Title of the unit : Patient's bill of rights	Patient's bill of rights- 17 patients' rights (MOH & FW, GOI- Right to safety & quality care according to standards, Right to preserve dignity, Right to nondiscrimination, Right to privacy & confidentiality, Right to information, Rights to records & reports, Right to informed consent, Right to second opinion, Right to patient education, Right to choose alternative treatment option if available, Right to choose source for obtaining medicines or tests, Right to proper referral & transfer, this is free from perverse commercial influences, Right to take discharge of patient or receive body of deceased from hospital, Right to information on the rates to be charged by the hospital for each type of service provided & facilities available on a prominent display board and a brochure, Right to protection for patients involved in clinical trials, biomedical & health research and Right to be heard & seek redressed	5	CO5

Reference Books:

1. Ethical Issues In Nursing, Professional Ethics, Dr. Geoffery, Rottedge Publication, 1 st Edition
2. Professional & Ethical Issues in Nursing, Philip Burnard, Bailliere Tendall Publication, 3 rd Edition

3. Professional Ethics In Nursing, Joy beebe, Thompson, JP publication, 1 st edition

4. Nursing Ethics Across The Curriculum & Practice, Rashmi Ahiya, Anmol Publication, 1 st Edition

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<https://india.oup.com/>

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<https://www.doabooks.org/>

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																		
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	2	3	3	3	2	2	3	1	3	2	1	1	2	3	1	2	1	7
CO2	3	1	3	2	2	1	3	3	3	2	1	3	2	1	1	2	3	2	2
CO3	3	2	2	2	3	3	2	2	3	3	2	2	1	2	2	1	1	3	3
CO4	3	1	3	2	2	2	1	2	2	3	2	2	1	1	1	1	2	2	1
CO5	3	2	2	3	2	2	3	1	2	3	2	2	2	2	2	2	1	1	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
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Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR209	Title of the Course	ADULT HEALTH NURSING-II LAB	L	T	P	C
Year	2	Semester	IV	0	0	2	1
Pre-Requisite		Co-requisite					
Course Objectives	The course is designed to assists students to acquire the knowledge and develop proficiency in caring for patients with medical surgical disorders invarieties of health care settings and at home.						

Course Outcomes	
CO1	Students would able to understand the disorders of ear, nose, throat and nursing management of patient with disorders of ear, nose, throat, eyeand kidney and urinary problems.
CO2	Students would able to analyze disorders of male reproductive system and its nursing management, Nursing management of patient with burns ,reconstructive and cosmetic surgery and neurological disorders.
CO3	Students would explore and describe the immunological problems and its nursing management and nursing management of patient with oncological conditions.
CO4	Students would able to describe the nursing management of patient in emergency and disaster situation.
CO5	Students would able to enhance the nursing care of the elderly, nursing management of patients in critical care units, occupational and industrial disorders.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mapped CO
23.		Examination of ear, nose, throat and history taking ,Applying bandages to ear, noseTracheostomy carePreparation of patient, assisting and monitoring of patients undergoing diagnostic proceduresAuditory screening tests Audiometric testsPreparing	10	1
24.		Instilling eye medications ,Eye irrigation ,Eye bandage	10	1
25.		Assessment – kidney & urinary system Preparation – dialysis Catheterization and care	10	1
26.		Assessment of burnsFirst aid of burns Fluid & electrolyte replacement therapy Skin care Care of burn wounds Bathing Dressing ,Pre-operative and post-operative care of patients ,Caring of skin graft and post cosmetic surgery ,Rehabilitation	5	2
27.		Range of motion exercises ,Muscle strengthening exercises ,Crutch walking	5	2
28.		application of topical medication ,administration of chemotherapy	2	2
29.		Assessment – primary and secondary survey ,Trauma care-bandaging, wound care, splinting, positions	2	3
30.		Assessment critically ill ET tube set up – suctionTT suction Ventilator set up Chest drainage Bag mask ventilation Central & peripheral line Pacemaker .	2	3
31.		Use of assistive safety devices History taking and assessment of Geriatric patients	2	4
32.		Preparation and after care of patients undergoing ENT surgical procedures Instillation drops / medication .	2	4
33.		the patient and assisting in special procedures like anterior / posterior nasal packing, ear packing and syringing	2	2

Reference Books:

1. Brunner & Suddarths 13 th edition
- 2..BT Basavanthapa 3 rd editio
3. . SN Chugh 2 nd edition
4. 4. Chintamani mani 3 rd edition

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Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
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Integral University, Lucknow

Effective from Session: 2022-2023							
Course Code	NR210	Title of the Course	Clinical Posting	L	T	P	C
Year	2	Semester	4	0	0	0	0
Pre-Requisite		Co-requisite					
Course Objectives	On completion of the clinical practicum, the students will develop proficiency in applying nursing process and critical thinking in rendering holistic nursing care including rehabilitation to the adult / geriatric patients admitted in critical care units, undergoing cosmetic and reconstructive surgery and with selected medical & surgical disorders of ear, nose, throat, eye, genitourinary, reproductive, immunologic, nervous system and in emergency / disaster conditions						

Course Outcomes	
CO1	Students would able to understand the disorders of ear, nose, throat and nursing management of patient with disorders of ear, nose, throat, eye and kidney and urinary problems.
CO2	Students would able to analyze disorders of male reproductive system and its nursing management, Nursing management of patient with burns , reconstructive and cosmetic surgery and neurological disorders.
CO3	Students would explore and describe the immunological problems and its nursing management and nursing management of patient with oncological conditions.
CO4	Students would able to describe the nursing management of patient in emergency and disaster situation.

Unit No.	Title of the Unit	Content of Experiment	Contact Hrs.	Mapped CO
34.		Tracheostomy care Instilling Ear and Nasal medications Bandage application	30	1
35.		Instilling eye medications Eye irrigation Eye bandage History taking, examination of eye and interpretation Assisting procedures Visual acuity Fundoscopy, retinoscopy, ophthalmoscopy, tonometry Refraction tests Pre and post operative care Instilling of drops / medication Eye irrigation Application of eye bandageAssisting with foreign body removal	20	1
36.		Assessment of kidney and urinary system History taking Physical examinationTesticular self examination Digital rectal exam Preparation and assisting with diagnostic and therapeutic procedures Cystoscopy, Cystometrogram Contrast studies – IVP etc Peritoneal dialysis Hemodialysis Lithotripsy Specific tests-semen analysis, gonorrhoea test, renal / prostate biopsy etcCatheterization care Bladder irrigation I/O recording and monitoring Ambulation and exercise	30	1
37.		Assessment of burns First aid of burns Fluid & electrolyte replacement therapy Skin care Care of burn wounds Bathing Dressing Pre-operative and post-operative care of patients Caring of skin graft and post cosmetic surgery Rehabilitation	10	2
38.		History taking: Neurological examination Patient monitoring Prepare and assist for various invasive and non-invasive diagnostic procedures Range of motion exercises, muscle strengthening Care of medical, surgical and rehabilitative patients .	12	2
39.		History taking Immunological status assessments (e.g. HIV) and interpretation of specific tests Caring of patients with low immunity Practicing of standard safety measures, precautions / barrier nursing / reverse barrier / isolation skills	12	2
40.		History taking & physical examination of cancer patients Screening for common cancer – TNM classification Preparing, assisting and after care patients undergoing diagnostic proceduresBiopsies / FNAC Pap smear Bone marrow AspirationVarious modalities of treatment ChemotherapyRadiotherapy Pain management Stoma therapHormonal therapy Immuno therapy Gene therapy Alternative therapy Stoma care and feeding	12	3
41.		Practicing 'triage' Primary and secondary survey in emergency Examination, investigation & their interpretations, in emergency & disaster situationsEmergency care of medical and traumatic injury patients Documentations, assisting in legal procedures in emergency unitManaging crowd Counseling the patient and family in dealing with grieving & bereavement	12	3
42.		Assessment critically ill ET tube set up – suctionTT suction Ventilator set up Chest drainage Bag mask ventilation Central & peripheral line Pacemaker	12	4
43.		History taking and assessment of Geriatric patients	12	4
44.		Caring of patients treated with nuclear medicine Rehabilitation	12	2

Reference Books:

1. Brunner & Suddarths 13 th edition

2. . BT Basavanthapa 3 rd edition

3. 3. SN Chugh 2 nd edition
4. . Chintamani mani 3 rd edition
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	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO																
CO1	3	3	3	3	2	3	3	3	3	2	3	2	1	2	3	2
CO2	3	2	3	2	2	3	2	3	3	2	3	2	2	1	2	2
CO3	3	3	2	2	3	3	3	2	3	2	2	1	1	2	1	2
CO4	3	2	3	3	2	2	2	2	3	2	3	1	1	1	2	3
	3	2	2	3	2	2	2	1	3	2	2	2	2	1	1	2

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

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Name & Sign of Program Coordinator	Sign & Seal of HoD