**SHRI H N SHUKLA NURSING INSTITUTE**

**Affiliated By Saurashtra University, Permitted By I.N.C. & G.N.C. And Recognized By G.O.G.** Shree H. N. Shukla College Campus, B/H. Marketing Yard, Nr. Lalpari Lake, Rajkot -360003 E-mail :- HNSNURSING@GMAIL.COM Web. :- [www.hnsgroupofcollege.org](http://www.hnsgroupofcollege.org/)

**MEDICAL SURGICAL NURSING- II**

**Placement- SECOND YEAR Time- 120 hours**

**Course Description:-**

This course shall help students understand the concept of disease and disease process, Students shall be able to gain knowledge and develop understanding of various medical surgical specialty disorders and disease. They shall be able to give comprehensive nursing care to patient with these diseases.

**General Objective:-**

Upon completion of this course, the students shall able to:

1. Describe the cause, symptoms, signs, treatment and prevention of diseases classified under medical Surgical Specialties.
2. Demonstrate skill in carrying out nursing technique and procedures with the applicant of scientific principles.
3. Prepare nursing care plan using nursing process and apply it in provide care to patient with these diseases.

**Total Hours - 120**

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| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |
| **I** | Describe the management of patients withoncology | **Oncology Nursing:**1. Nursing management of patients with oncological conditions
	* Structure & characteristics of normal & cancer cells
	* Nursing Assessment-History and Physical assessment
	* Prevention, Screening, Early detection, Warning signs of cancer
	* Epidemiology, Etiology, Classification, Pathopysiology, staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions
	* Common malignanacies of various body systems: Oral, larynx, lung, stomach and Colon, Liver, Leukemias and lymphomas,

Breast, Cervix, Ovary, uterus, Sarcoma,Brain, Renal, Bladder, Prostate etc1. Oncological emergiences
 | **15** | Lecture cum discussionExplain using charts, graphs models, films, and slidesCase discussion Seminar | Short answers Objective type Essay type |

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|  |  | c) Modalities of treatment- Immunotherapy |  |  |  |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |
|  |  | * Radiotherapy
* Surgical Interventions
* Stem cell and Bonemarrow transplants
* Gene therapy
* Other forms of treatment
1. Psychosocial aspects of cancer
2. Rehabilitation
3. Palliative care: symptom and pain management, Nutritional support
4. Home care
5. Hospice care
6. Stomal Therapy
7. Special therapies
8. Psycho social aspects
9. Nursing procedures
10. Alternate therapies
11. Drugs used in treatment of oncological disorders
 |  | Drug book | Assessment |
|  | of skills with check list |
| Lecture cumdiscussion |  |
| Topic presentation |  |
| Posting to cancer Hospital/ unit |  |
| Structured discussion |  |
| Seminar |  |



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| II | Describe the disorders of breast and breast cancer.Demonstrate skill in giving nursing care to patients with breast disorders | **Nursing Management of patients with disorders of Breast**1. Assessment of breast
	* History
	* Physical examination
	* Diagnostic tests
	* Breast self examination
2. Disorders of breast
	* Mastitis
	* Breast abscess
	* Gynaecomastia
	* Tumors and Malignancy of breast
3. Nursing management of a patient after mastectomy.
 | 5 | Lecture cum discussionModels and exhibits | Short answer Objective type Essay |
| III | Describe the various diseases and disorders of integumentary system and their management.Demonstrate skill in providing care to the clients with disorders of integumentry system | **Nursing Management of patient with diseases and disorders of integumentary system**1. Nursing Assessment
	* History
	* Physical assessment
2. Etiology
3. Pathophysiology
4. Clinical manifestions
5. Nursing management of disorders of skin and its appendages
	* Lesions and abrasions
	* Infection and infestations Dermititis
	* Dermatoses; infectious and Non infectious
	* Inflammatory dermatoses
	* Acne Vulgaris
 | 5 | Lecture cum discussionExplain using Charts, graphs models, films, slides | Essay type Short answers Object typeAssessmentof skills with check list |



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| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |
|  |  | * Allergies and Eczema
* Psoriasis
* Malignant Melanoma
* Alopecia
* Infestations
* Bacterial infections
* Pyoderma
* Impetigo
* Folliculitis
* Furuncles
* Carbuncles
* Viral infections
* Herpes zoster
* Herpes simplex
* Fungal infection
* Athlete’s foot (Tanta Pedi’s)
* Parasitic infestation
* Pediculosis
* Scabies
* Pemphigus
* Stevens - Johnson syndrome
* Skin cancer
* Special dermatological therapies
1. Burn and its management
	* Burns Plastic Surgery
	* Incidence, causes of burns
	* Types & classification of burns
	* Pathophysiology
	* Calculation of the percentage
	* Local & systematic effects of burns
	* Immediate care
	* First aid care
	* Medical Management, barrier nursing care of the burns
	* Complications, Health education
2. Plastic Surgery
	* Define plastic & reconstructive surgery
	* Types
	* Define skin graft flaps
	* Possible complication
	* Preparation of patient for constructive surgery
	* Post operative care
	* Health Education
3. Alternate therapies
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|  |  | i) Drugs used in treatment of integumentary disorders |  |  |  |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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| IV | Describe the disorder and diseases of eyeDemonstrate skill in giving care for patients with various eye diseases and disorders. | **Ophthalmology And Ophthalmic Nursing**1. Review of anatomy and physiology of eye
2. Assessment of function of eyes.
	* History
	* Physical exam
	* Diagnostic tests-tonometry, Snellen’s chart
3. Infections and Inflammations conditions
	* Blepharitis
	* Stye
	* Chalazion
	* Entropion
	* Ectopion
	* Dacrocystitis
	* Conjunctivitis
	* Trachoma
	* Pterydium
	* Keratitis
	* Corneal ulcer
4. Degenerative Conditions
	* Cataract
	* Retinopathy
	* Retinal detachment
5. Miscellaneous
	* Strabismus
	* Refractive errors
	* Tumors
	* Color blindness
	* Nigh Blindness
	* Total blindness
6. Preventive and Rehabilitative aspects
7. National programs on Blindness and trachoma
8. Current trends in Management of Ophthalmic conditions
	* Hospital corneal retrieval - Grief counseling.
	* Eye Collection
	* Counselling
	* Obtaining consent for eye donation
9. Eye banking in India
10. Ocular Emergencies
	* Glaucoma
	* Foreign body
	* Acid / Alkali burns
	* Trauma to the eye
11. Eye Immigration
12. Instillation of eye drops and ointment
13. Cold and hot compress
14. Eye dressing and bandage
15. Assisting for sac syringing
16. Assisting for removal of foreign body
17. Alternate therapies
 | 10 | Lecture cum discussionVisit school for the blindVisit to eye bank VisitNational Association for the blindEye bank Demonstration | Short answer Objective type EssayReturn demonstration |



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|  |  | r) Drugs used in treatment of eye disorders |  |  |  |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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| V | Describe disorders and diseases of ear, nose and throat.Demonstrate skills in Providing nursing care for patients with various ENT problems. | **Nursing Management of Patient with Disorders and Diseases of Ear, Nose and Throat****Ear**1. Review of Anatomy and physiology of Ear
2. Assessment of function of ear
	* History
	* Ear examination
	* Diagnostic tests
3. Diseases and disorders of the ear

***External ear**** + Otitis
	+ Foreign body
	+ Impacted cerement
	+ Furunculosis

***Middle ear**** + Otitis media
	+ Mastoiditis
	+ Perforation of ear drum

***Internal ear**** + Presycusis
	+ Labryinthitis
	+ Meniere’s disease
	+ Otosclerosis

***Deafness**** + Conductive deafness
	+ Neural deafness

**Tumors of the ear and auditory nerve Insufflations of Eustachian tube Nose**1. Review of Anatomy and physiology of nose
2. Assessment of functions of nose
	* History
	* Examination of nose
	* Diagnostic tests
3. Diseases and disorders of nose

***Infections**** + Rhinitis
	+ Sinusitis
	+ Obstruction
	+ Polyps

**Foreign body****Deviatednasal septum Trauma – fracture of nasal bone and epitaxiesThroat**a) Review of Anatomy and physiology of Throat | 15 | Lecture cum discussionClinical teachingDemonstration Videos, charts | Short answer Objective type EssayReturn demonstration |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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|  |  | 1. Assessment of the function of throat
	* History
	* Examination of throat
	* Diagnostic tests
2. Diseases and disorders of throat infections and inflammation
	* Tonsillitis
	* Pharyngitis
	* Adenoiditis
	* Laryngitis
	* Tumors
	* Injury and foreign body
	* Alternate therapies
	* Drugs used in treatment of ENT disorders
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| VI | Describe cardiovascular circulatory and Hematological disorders and diseases. | **Nursing Management of Patient with cardio vascular, circulatory and Hematological disorders****Cardio Vascular**Review of anatomy and physiology of heart and circulatory systemAssessment of functions of heart and vascular system* History
* Diagnostic tests
1. Diseases and disorders of cardio vascular system
	* Coronary Artery disease
	* Arrhythmia
	* Coronary Artery disease
		+ Angina pectoris
		+ Myocardial infarction
	* Valvular heart disease
		+ Mitral stenosis
		+ Aortic stenosis,
		+ Pulmonary stenosis
	* Inflammation and infections
		+ Pericarditis, Myocarditis, Endocarditis
		+ Rheumatic fever
	* Heart block
	* Complication of heart disease
		+ Acute Heart failure (Pulmonary Edema)
		+ Chronic (Congestive Cardiac failure)
		+ Cardiogenic shock
 |  |  |  |
|  | Demonstrates |
|  | skill in carrying |
|  | nursing |
|  | interventions for |
|  | clients with |
|  | circulatory and |
|  | hematological |
|  | disorders and |
|  | diseases. |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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|  |  | * Pericardial effusion, cardiac tamponade
* Cardiac emergencies
	+ Cardiac arrest
	+ Shock
* Vascular disorders
	+ Arterial disorders
	+ Berger’s disease (TAO),
	+ Arterial ulcers,
	+ Arteriosclerosis,
	+ Aneurysm,
	+ Thrombosis and emboli,
	+ Raynaud’s disease
	+ Hypertension
* Venous disorder
	+ Deep Vein Thrombosis (DVT)
	+ Venous insufficiency
	+ Venous ulcer
	+ Varicose vein
	+ Cellulitis
	+ Lymphatic disorders
	+ Lymphangitis& Lymphadenitis
	+ Lymphedema & elephantiasis

**Hematological disorders**1. Review of function and structure of blood components
	* Assessment
	* History
	* Physical examination
	* Diagnostic tests
2. Diseases and disorders of blood and its components
	* Thalassemia
	* Leukopenia and neutropenia
	* Leukocytosis & leukemia
	* diseases, Multiple myeloma
	* Bleeding disorders
	* Thrombocytopenia,
	* Purpura, hemophilia
	* Acquired coagulation
	* Disorders – Liver disease, Vitamin K deficiency, DIC
3. Alternate therapies
4. Drugs used in treatment of cardiovascular circulatory and hematology disorders
 | 28 | Lecture cum | Short answer |
|  | discussion |  |
|  |  | Objective type |
|  | Demonstration | Essay type |
|  | Clinical teaching | Return |
|  | Videos, | demonstration |
|  | Simulation |  |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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| VII | Describe the nursingmanagement ofpatients with communicable diseases.Demonstrate skill in providing interventions for patients with communicablethe nurse’s role in various national control/ Eradication Programme of communicable diseases. | **Nursing Management of Patients with communicable diseases** a) Assessment* History
* Physical examination
* Diagnostic tests
1. Review of infection, mode of transmission, its prevention and control
2. Preparation, care and administration of anti sera and vaccinesIsolation,
3. Management of various infection diseases

***caused by Virus;**** + Measles
	+ Chicken pox
	+ Swine flu
	+ Ebola
	+ Dengue
	+ Chicken guinea
	+ Influenza
	+ Mumps
	+ Encephalitis
	+ Infective hepatitis
	+ Poliomyelitis
	+ Rabies
	+ AIDS

***Caused by Bacteria;**** + Diphtheria
	+ Whooping cough
	+ Tetanus
	+ Typhoid
	+ Dysentery
	+ Cholera
	+ Meningococcal Meningitis
	+ Tuberculosis
	+ Plague
	+ Leptospirosis

***Vector borne diseases;**** + Malaria
	+ Filariasis
	+ Yellow fever
	+ Dengue
	+ Any other prevailing diseases
1. Alternate therapies
2. Drugs used in treatment of communicable disorders
 | 10 | Lecture cum discussion Role playParticipate in immunization campaign | Short answer Objective type Essay typeAssesmentwith clinical checklist |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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| VIII | Describe various sexually transmitted diseases.Demonstrates skills in syndromic management of sexually transmitted diseases. | **Nursing Management of Patients with Sexually Transmitted deiseases**a) Assessment* History
* Physical examination
* Diagnostic tests
1. Sex health and hygiene
2. Syndromic Management of sexually transmitted disease
	* Gonorrhea
	* Syphilis
	* Granuloma Venerium
	* Chanchroid granuloma
	* AIDS
	* Genital herpes
 | 05 | Lecture cum discussionVideo | Short answer Objective type Essay type |
| IX | Describe various musculo skeletal disorders and diseases.Demonstrate skills in management of musculo skeletal diseases. | **Nursing Management of Patients with musculo skeletal disorders and diseases**1. Review of Anatomy and Physiology of musculo skeletal system
2. Assessment
	* History
	* Physical examination
	* Diagnostic tests
3. Infections and inflammations
	* Septic arthritis
	* Gonococcal arthritis
	* Tuberculosis of the spine and bones
	* Sprains
	* Fracture of spine and extremities
4. Degenerative conditions of joints, spine
5. Tumors, Amputation and prosthesis
6. Deformities - Congenital and acquired
7. Range of motion exercises
8. Care of patient:
	* Skin and skeletal traction
	* Orthopedic splints
9. POP application and removal
10. Neurogenic bladder
11. Preparation for bone surgery Use of orthopedic assist devices
	* Crutches
	* Walker
12. Alternate therapies
13. Drugs used in treatment of musculo-skeletal disorders disorders
 | 10 | Lecture cum discussionClinical teaching Demonstration | Short answer Objective type Essay type |
| **Unit No.** | **Learning Objectives** | **Content** | **Hr.** | **Method of Teaching** | **Assessment methods** |



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| X | Describe the role of nurse in medical surgical emergenciesDemonstrate skill in meeting medical surgical emergencies. | **Emergency Management**1. Scope and practice of emergency nursing
	* Principles of emergency care
	* Triage
2. Medical Surgical Emergencies
3. Airways obstruction
	* Hemorrhage
	* Shock, Anaphylactic reaction, Allergies
	* Trauma – intra abdominal, crush injuries, multiple injures fractures
	* Poisoning
	* Ingested poisoning
	* Inhaled poisoning - Food poisoning
	* Injected poisons – Stinging insects - Snake bites Chemical burns -

Environmental emergencies: - Heat stroke - Frost bite.* + Near drowning
	+ Hanging
 | 10 | Lecture cum discussionDemonstration Preparing emergency trolley -Demonstration of CPR-DefibrillationVideos & Films Simulation Roleplay | Short answer Objective type Essay typeReturn demonstration |
| XI | Identify the role of nurses in emergency and disasters.Demonstrate beginning skill in managing the Emergencies and disasters. | **Emergency and Disaster Nursing** a) Natural calamities* Flood
* Earthquake
* Volcanic eruptions
1. Man-made disaster
	* Explosion
	* War
	* Fire
	* Accidents
2. Emergency preparedness
3. Community resources available to meet calamities
4. Nurses role in disaster management
 | 05 | Lecture cum discussion Role playMock drill INC: Disaster management module:Reaching out: nursing care | Short answer Objective type Essay type |

