



SADHU VASWANI MISSION'S

SADHU VASWANI COLLEGE OF NURSING
Founder- Sadhu T L Vaswani



10-10/1, Koregaon Park, Pune – 411001
Tel No: 02066099960 Email: principal@svcon.ac.in

Principal
Dr. Sripriya Gopalkrishnan

Criterion II-Teaching Learning and Evaluation

2.6 Students Performance and Learning outcomes.

2. 6.1. Documents pertaining to Learning outcomes and graduate attributes.

2023-2024

COURSE OUTLINE

Third semester B.sc Nursing

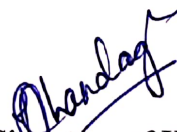
Subject in-charge: Ms. Neha Bite, Clinical Instructor, SVCON

APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING SAFETY

Prepared by: Ms. Neha Bite



Signature of Subject In-charge



Signature of HOD



Signature of Principal

PLACEMENT: III SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICAL: 1 Credit (40 hours) (Lab/Experiential Learning – L/E)

SECTION A: APPLIED MICROBIOLOGY

THEORY: 20 hours

PRACTICAL: 20 hours (Lab/Experiential Learning – L/E)

DESCRIPTION: 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.

COMPETENCIES: On completion of the course, the students will be able to:

1. Identify the ubiquity and diversity of microorganisms in the human body and the environment.
2. Classify and explain the morphology and growth of microbes.
3. Identify various types of microorganisms.
4. Explore mechanisms by which microorganisms cause disease.
5. Develop understanding of how the human immune system counteracts infection by specific and non-specific mechanisms.
6. Apply the principles of preparation and use of vaccines in immunization.
7. Identify the contribution of the microbiologist and the microbiology laboratory to the diagnosis of infection.

COURSE OUTLINE

T – Theory, L/E – Lab/Experiential Learning

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods	Name of the faculty
	T	P					
I	3		Explain concepts and principles of microbiology and its importance in nursing	Introduction: <ul style="list-style-type: none"> • Importance and relevance to nursing • Historical perspective • Concepts and terminology • Principles of microbiology 	<ul style="list-style-type: none"> • Lecture cum Discussion 	<ul style="list-style-type: none"> • Short answer • Objective type 	Mrs. Anita Khandagle

II	10	10 (L/E)	Describe structure, classification morphology and growth of bacteria Identify Microorganisms	General characteristics of Microbes: <ul style="list-style-type: none"> • 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 mount. • Culture and media preparation – solid and liquid. Types of media – semi synthetic, synthetic, enriched, enrichment, selective and differential media. Pure culture techniques – tubedilution, pour, spread, streak plate. Anaerobic cultivation of bacteria 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Experiential Learning through visual 	<ul style="list-style-type: none"> • Short answer • Objective type 	Ms. Neha Bite (Theory + practical)
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III	4	6 (L/E)	Describe the different disease producing organisms	Pathogenic organisms <ul style="list-style-type: none"> • Micro-organisms: Cocci – gram positive and gram negative; Bacilli – gram positive and gram negative • Viruses • Fungi: Superficial and Deep mycoses • Parasites • Rodents & Vectors o Characteristics, Source, portal of entry, transmission of infection, Identification of disease producing micro-organisms 	<ul style="list-style-type: none"> • Lecture cum Discussion • Demonstration • Experiential learning through visual 	<ul style="list-style-type: none"> • Short answer • Objective type 	Mrs. Anita Khandagle (theory) Ms. Neha Bite (Practical)
IV	3	4 (L/E)	Explain the concepts of immunity, hyper sensitivity and immunization	Immunity <ul style="list-style-type: none"> <input type="checkbox"/> Immunity: Types, classification <input type="checkbox"/> Antigen and antibody reaction <input type="checkbox"/> Hypersensitivity reactions <input type="checkbox"/> Serological tests <input type="checkbox"/> Immunoglobulins: Structure, types & properties <input type="checkbox"/> Vaccines: Types & classification, storage and handling, cold chain, Immunization for various diseases <input type="checkbox"/> Immunization Schedule 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Visit to observe vaccine storage • Clinical practice 	<ul style="list-style-type: none"> • Short answer • Objective type • Visit report 	Mrs. Anita Khandagle Ms. Neha Bite (Practical)

COURSE OUTLINE

T – Theory, L/E – Lab/Experiential Learning

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods	Name of the teacher
	T	P					
I	2	2 (E)	Summarize the evidence based and effective patient care practices for the prevention of common healthcare associated infections in the healthcare Setting	HAI (Hospital acquired Infection) <ul style="list-style-type: none"> • Hospital acquired infection • Bundle approach - Prevention of Urinary Tract Infection (UTI) - Prevention of Surgical Site Infection (SSI) - Prevention of Ventilator Associated events (VAE) - Prevention of Central Line Associated Blood Stream Infection (CLABSI) - Surveillance of HAI – Infection control team & Infection control committee 	<ul style="list-style-type: none"> • Lecture & Discussion • Experiential learning 	<ul style="list-style-type: none"> • Knowledge assessment • MCQ • Short answer 	Mrs. Anita Khandagle (theory) Ms. Neha Bite (practical)
	3	4 (L)	Demonstrate appropriate use of different types of PPEs and the critical use of risk assessment	Isolation Precautions and use of Personal Protective Equipment (PPE) <ul style="list-style-type: none"> • Types of isolation system, standard precaution and transmission-based precautions (Direct Contact, Droplet, Indirect) • Epidemiology & Infection prevention – CDC guidelines • Effective use of PPE 	<ul style="list-style-type: none"> • Lecture • Demonstration & Re-demonstration 	<ul style="list-style-type: none"> • Performance assessment • OSCE 	Mrs. Anita Khandagle (theory) Ms. Neha Bite (practical)

Mrs. Anita Khandagle (theory)
Neha

Entrance

III	1	2 (L)	Demonstrate the hand hygiene practice and its effectiveness on infection control	<p>Hand Hygiene</p> <ul style="list-style-type: none"> Types of Hand hygiene. Hand washing and use of alcohol hand rub Moments of Hand Hygiene WHO hand hygiene promotion 	<ul style="list-style-type: none"> Lecture Demonstration & Re-demonstration 	<ul style="list-style-type: none"> Performance assessment 	<p>Mrs. Anita Khandagle (theory)</p> <p>Ms. Neha Bite (practical)</p>
IV	1	2 (E)	Illustrates disinfection and sterilization in the healthcare setting	<p>Disinfection and sterilization</p> <ul style="list-style-type: none"> Definitions Types of disinfection and sterilization Environment cleaning Equipment Cleaning Guides on use of disinfectants Spaulding's principle 	<ul style="list-style-type: none"> Lecture Discussion Experiential learning through visit 	<ul style="list-style-type: none"> Short answer Objective type 	<p>Mrs. Anita Khandagle (theory)</p> <p>Ms. Neha Bite (practical)</p>
V	1		Illustrate on what, when, how, why specimens are collected to optimize the diagnosis for treatment and management.	<p>Specimen Collection (Review)</p> <ul style="list-style-type: none"> Principle of specimen collection Types of specimens Collection techniques and special considerations Appropriate containers Transportation of the sample Staff precautions in handling specimens 	<ul style="list-style-type: none"> Discussion 	<ul style="list-style-type: none"> Knowledge evaluation Quiz Performance assessment Checklist 	<p>Mrs. Anita Khandagle (theory)</p> <p>Ms. Neha Bite (practical)</p>
VI	2	2 (E)	Explain on Bio Medical waste management & laundry management	<p>BMW (Bio Medical Waste Management)</p> <p>Laundry management process and infection control and prevention</p>	<ul style="list-style-type: none"> Discussion Demonstration Experiential learning through 	<ul style="list-style-type: none"> Knowledge assessment by short answers, objective type Performance 	<p>Mrs. Anita Khandagle (theory)</p> <p>Ms. Neha Bite (practical)</p>

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
	T	P				
				<ul style="list-style-type: none"> Waste management process and infection prevention Staff precautions Laundry management Country ordinance and BMW National guidelines 2017: Segregation of wastes, Colour coded waste containers, waste collection & storage, Packaging & labeling, Transportation 	visit	Assessment
VII	2		<p>Explain in detail about Antibiotic stewardship, AMR</p> <p>Describe MRSA/MDRO and its prevention</p>	<p>Antibiotic stewardship</p> <ul style="list-style-type: none"> Importance of Antibiotic Stewardship Anti-Microbial Resistance Prevention of MRSA, MDRO in healthcare setting 	<input type="checkbox"/> Lecture <input type="checkbox"/> Discussion <input type="checkbox"/> Written assignment -Recent AMR (Antimicrobial resistance) guidelines	<input type="checkbox"/> Short answer <input type="checkbox"/> Objective type <input type="checkbox"/> Assessment of assignment Ms. Neha Bite
VIII	3	5 (L/E)	<p>Enlist the patient safety indicators followed in a health care organization and the role of nurse in the patient safety audit process</p>	<p>Patient Safety Indicators</p> <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture Demonstration Experiential learning 	<ul style="list-style-type: none"> Knowledge assessment Performance assessment Checklist/ OSCE Ms. Neha Bite

IX	I	Enumerate IPSPG and application of the goals in the patient care settings.	Captures and analyzes incidents and events for quality improvement	<ul style="list-style-type: none"> • Shifting and transporting of patients • Surgical safety • Care coordination event related to medication reconciliation and administration • Prevention of communication errors • Prevention of HAI • Documentation <p>Incidents and adverse Events</p> <ul style="list-style-type: none"> • Capturing of incidents • RCA (Root Cause Analysis) • CAPA (Corrective and Preventive Action) • Report writing 	<ul style="list-style-type: none"> • Lecture • Role play • Inquiry Based Learning 	<ul style="list-style-type: none"> • Knowledge assessment • Short answer • Objective type 	Ms. Neha Bite
				<p>IPSPG (International Patient safety Goals)</p> <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Lecture • Role play 	<ul style="list-style-type: none"> • Objective type 	

X	2	3 (L/E)	Enumerate the various safety protocols and its applications	<p>Safety protocol</p> <ul style="list-style-type: none"> • 5S (Sort, Set in order, Shine, Standardize, Sustain) • Radiation safety • Laser safety • Fire safety <ul style="list-style-type: none"> - Types and classification of fire - Fire alarms - Firefighting equipment • HAZMAT (Hazardous Materials) safety <ul style="list-style-type: none"> - Types of spill - Spillage management - MSDS (Material Safety Data Sheets) • Environmental safety <ul style="list-style-type: none"> - Risk assessment - Aspect impact analysis - Maintenance of Temp and Humidity (Department wise) • Audits • Emergency Codes • Role of Nurse in times of disaster 	<ul style="list-style-type: none"> • Lecture • Demonstration/ Experiential learning 	<ul style="list-style-type: none"> • Mock drills • Post tests • Checklist 	Ms. Neha Bite
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<p>XI</p>	<p>2</p>	<p>Explain importance of employee safety indicators</p>	<p>Employee Safety Indicators</p> <ul style="list-style-type: none"> • Vaccination • Needle stick injuries (NSI) prevention • Fall prevention • Radiation safety • Annual health check <p>Healthcare Worker Immunization Program and management of occupational exposure</p> <ul style="list-style-type: none"> • Occupational health ordinance • Vaccination program for healthcare staff • Needle stick injuries and prevention and post exposure prophylaxis 	<ul style="list-style-type: none"> • Lecture • Discussion • Lecture method • Journal review 	<ul style="list-style-type: none"> • Knowledge assessment by short answers, objective type • Short answer 	<p>Ms. Neha Bite</p>
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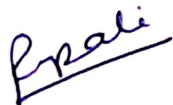
Sadhu Vaswani College of Nursing

COURSE OUTLINE

III Semester B. Sc. Nursing

Regular Batch (2023)

ADULT HEALTH NURSING I



Sign of Subject In charge



Sign of H.O.D.

**HOD (Medical Surgical Nursing)
Sadhu Vaswani College of Nursing**



Sign of Principal

THEORY: 7 Credits (140 hours)

PRACTICUM: Lab/Skill Lab (SL) – 1 Credit (40 hours) Clinical – 6 Credits (480 hours)

DESCRIPTION:

This course is designed to equip the students to review and apply their knowledge of Anatomy, Physiology, Biochemistry and Behavioral sciences in caring for adult patients with Medical/Surgical disorders using nursing process approach and critical thinking. It also intends to develop competencies required for assessment, diagnosis, treatment, nursing management, and supportive/palliative care to patients with various Medical Surgical disorders.

COMPETENCIES:

On completion of Medical Surgical Nursing I course, students will be able to

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments and complications of common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of anatomy, physiology and diagnostic tests in the process of data collection.
3. Identify nursing diagnoses, list them according to priority and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of pathology, nutrition and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.
7. Demonstrate skill in assisting/performing diagnostic and therapeutic procedures.
8. Demonstrate competencies/skills to patients undergoing treatment for medical surgical disorders.
9. Identify the drugs used in treating patients with medical surgical conditions.
10. Plan and give relevant individual and group education on significant medical surgical topics.
11. Maintain safe environment for patients and the health care personnel in the hospital.
12. Integrate evidence-based information while giving nursing care to patients.

Unit	Content	Duration (in hr)	Teacher's Name	Method of Teaching	Av Aids	Method of Evaluation
I	Introduction	6 (T) 4 (L/SL) hrs				
	<ul style="list-style-type: none"> • Evolution and trends of medical and surgical nursing • International classification of diseases • Roles and responsibility of a nurse in medical and surgical settings <ul style="list-style-type: none"> ○ Outpatient department ○ In-patient unit ○ Intensive care unit • Introduction to medical and surgical asepsis <ul style="list-style-type: none"> ○ Inflammation, infection ○ Wound healing – stages, influencing factors ○ Wound care and dressing technique • Care of surgical patient <ul style="list-style-type: none"> ○ pre-operative ○ post-operative • Alternative therapies used in caring for patients with Medical Surgical Disorders 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	Mrs. Rupali Ladke	<ul style="list-style-type: none"> • Lecture cum discussion • Demonstration & Practice session • Role play • Visit to outpatient department, in patient and intensive care unit 	Chalk board, OHP Transparency, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Short Answer • OSCE
II	Intraoperative Care	15 (T) 4 (L/SL) hrs.				
	<ul style="list-style-type: none"> • Organization and physical set up of the operation theatre <ul style="list-style-type: none"> ○ Classification ○ O.T 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 procedure 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p>	Mrs. Rupali Ladke	<ul style="list-style-type: none"> • Lecture cum Discussion Demonstration, • Practice session, and Case Discussion • Visit to receiving bay 	Chalk board, OHP Transparency, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Caring for patient intra operatively • Submit a list of disinfectants used for instruments

	<ul style="list-style-type: none"> • 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 • Anaesthesia – types, methods of administration, effects and stages, equipment & drugs • Legal aspects 	1 1 1 1 1 2 1				nts with the action and precaution
III	Nursing care of patients with common signs and symptoms and management	6 (T) 4 (L/SL)				
	<ul style="list-style-type: none"> • Fluid and electrolyte imbalance • Shock • Pain 	2 2 2	Ms. Poonam Dhaigude	<ul style="list-style-type: none"> • Lecture, discussion, demonstration • Case discussion 	Chalk board, Ppt, Charts, posters, videos	<ul style="list-style-type: none"> • Short answer • MCQ • Case report
IV	Nursing Management of patients with respiratory problems	18 (T) 4 (L)				
	<ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Nursing Assessment – history taking, physical assessment and diagnostic tests • Common respiratory problems: <ul style="list-style-type: none"> ○ Upper respiratory tract infections ○ Chronic obstructive pulmonary diseases ○ Pleural effusion, Empyema ○ Bronchiectasis ○ Pneumonia ○ Lung abscess ○ Cyst and tumors ○ Chest Injuries ○ Acute respiratory distress syndrome ○ Pulmonary embolism • Health behaviours to prevent respiratory illness 	1 1 1 2 2 2 1 1 2 1 1 1 1 1 1 1	Ms. Sneha Kakade	<ul style="list-style-type: none"> • Lecture, discussion, • Demonstration • Practice session • Case presentation • Visit to PFT Lab 	Chalk board, OHP Transparency, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Essay • Short answer • OSCE
V	Nursing Management of patients with disorders of digestive system	16 (T) 5 (L)				

	<ul style="list-style-type: none"> Review of anatomy and physiology of GI system Nursing assessment –History and physical assessment GI investigations Common GI disorders: <ul style="list-style-type: none"> 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 	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>2</p> <p>1</p>	<p>Mrs. Poonam Dhaigude</p>	<ul style="list-style-type: none"> Lecture, Discussion Demonstration, Role play Problem Based Learning Visit to stoma clinic 	<p>Chalk board, OHP</p> <p>Transparenc y, Power point presentation</p> <p>Charts, posters, videos</p>	<ul style="list-style-type: none"> Short answer Quiz OSCE
VI	Nursing Management of patients with cardiovascular problems	20 (T) 5 (L)				
	<ul style="list-style-type: none"> Review of anatomy and physiology of cardio-vascular system Nursing Assessment: History and Physical assessment Invasive & non-invasive cardiac procedures Disorders of vascular system - Hypertension, arteriosclerosis, Raynaud's disease, aneurysm and peripheral vascular disorders Coronary artery diseases: coronary atherosclerosis, Angina pectoris, myocardial infarction Valvular disorders: <u>congenital</u> and acquired Rheumatic heart disease: pericarditis, myocarditis, endocarditis, cardiomyopathies Cardiac dysrhythmias, heart block Congestive heart failure, <u>corpulmonale</u>, <u>pulmonary edema</u>, <u>cardiogenic shock</u>, <u>cardiac tamponade</u> <u>Cardiopulmonary arrest</u> 	<p>1</p> <p>1</p> <p>3</p> <p>3</p> <p>2</p> <p>3</p> <p>2</p> <p>2</p> <p>3</p>	<p>Mrs. Rupali Ladke (15)</p> <p>Mrs. Sneha Kakade (10)</p>	<ul style="list-style-type: none"> Lecture, discussion Demonstration Practice session Case Discussion Health education Drug Book/presentation Completion of BCLS Module 	<p>Chalk board, OHP</p> <p>Transparenc y, Power point presentation</p> <p>Charts, posters, videos</p>	<ul style="list-style-type: none"> Care plan Drug record BLS/ BCLS• evaluation

VII	Nursing Management of patients with disorders of blood	7 (T) 3 (L)				
	<ul style="list-style-type: none"> • Review of Anatomy and Physiology of blood • Nursing assessment: history, physical assessment & Diagnostic tests • Anemia, Polycythemia • Bleeding Disorders: clotting factor defects and platelets defects, thalassemia, leukemia, leucopenia, agranulocytosis • Lymphomas, myelomas 	1 1 2 3 3	Ms. Sneha Kakade	<ul style="list-style-type: none"> • Field visit to blood bank • Counseling 	Chalk board, OHP Transparenc y, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Interpretation of blood reports • Visit report
VIII	Nursing management of patients with disorders of endocrine system	8 (T) 2 (L)				
	<ul style="list-style-type: none"> • 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 	2 2 3 3	Ms. Poonam Dhaigude	<ul style="list-style-type: none"> • Lecture, discussion, • Demonstration • Practice session • Case Discussion • Health education 	Chalk board, OHP Transparenc y, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Prepare health education on selfadmi nistratio n of insulin • Submits diabetic diet plan
IX	Nursing management of patients with disorders of Integumentary system	8 (T) 2 (L)				
	<ul style="list-style-type: none"> • 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 • Psoriasis, Malignant melanoma, Alopecia • Special therapies, alternative therapies • Drugs used in treatment of disorders of integumentary system 	1 1 1 1 2 2 1 1	Ms. Sneha Kakade		Chalk board, OHP Transparenc y, Power point presentation Charts, posters, videos	

X	Nursing management of patients with musculoskeletal problems	16 (T) 4 (L)				
	<ul style="list-style-type: none"> • 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 tumour • Orthopedic modalities: Cast, splint, traction, crutch walking • Musculoskeletal inflammation: Bursitis, synovitis, arthritis • Special therapies, alternative therapies • Metabolic bone disorder: Osteoporosis, osteomalacia and Paget's disease • Spinal column defects and deformities – tumor, prolapsed intervertebral disc, Pott's spine • Rehabilitation, prosthesis • Replacement surgeries 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">3</p> <p style="text-align: center;">2</p> <p style="text-align: center;">3</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">2</p> <p style="text-align: center;">3</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p>	Mrs. Rupali Ladke	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Case Discussion • Health education 	Chalk board, OHP Transparenc y, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Nursin g care plan • Prepar e health teachin g on care of patient with cast
XI	Nursing management of patients with Communicable diseases	20 (T) 3 (L)				
	<ul style="list-style-type: none"> • 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, 	<p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">2</p> <p style="text-align: center;">2</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">1</p> <p style="text-align: center;">2</p>	Ms. Poonam Dhaigude (13) Ms. Sneha Kakade (10)	<ul style="list-style-type: none"> • Lecture, discussion, demonstration • Practice session • Case Discussion/ seminar • Health education • Drug Book/ presentation • Refer TB Control 	Chalk board, OHP Transparenc y, Power point presentation Charts, posters, videos	<ul style="list-style-type: none"> • Prepares and submits protocol on various isolation techniques

	Filariasis • Diphtheria, Pertussis, Tetanus, Poliomyelitis • COVID-19 • Special infection control measures: Notification, Isolation, Quarantine, Immunization	3 2 3		& Management module		
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Faculty wise hours allotment

Sr. no.	Name of faculty	Number of hours
1.	Mrs. Rupali Ladke	64
2.	Ms. Poonam Dhaigude	54
3.	Ms. Sneha Kakade	62
	Total	180