



**MGM INSTITUTE OF HEALTH SCIENCES**  
(Deemed to be University) Grade 'A++' Accredited by NAAC  
**MGM NEW BOMBAY COLLEGE OF NURSING**  
5<sup>th</sup> Floor, MGM Educational Campus, Plot No. 1 & 2,  
Sector-I, Kamothe, Navi Mumbai — 410 209.

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**Infusion Nursing**

**Value added course.**

**Name of the Co-ordinator:** Ms. Punam Rane (Assistant Professor)

**Target Audience:** III<sup>rd</sup> Semester B.Sc. Nursing

**Venue:** 3<sup>rd</sup> Floor, classroom, MGM New Bombay College of Nursing

**Duration:** 16 hours (Theory 10 hours, Demonstration 6 hours)

**Date:** 18.01.2025 and 25.01.2025(Saturday)

**Time:** 8.30 am to 5:00 pm (Saturdays)

**Course Objective:** This course aims to provide the nursing students, the core theory knowledge and practical skills in infusion Nursing.

**Specific Objectives:**

At the end of the course, the students will be able to

- Understand the standards, practices, and ethics of Infusion Nursing
- Learn the clinical assessment and monitoring methods such as Identifying the Fluid and Electrolyte balance and correcting methods, complications, and nursing interventions.
- Know about the Infection Prevention and Safety Compliance and various Infusion Equipment Devices.
- Have knowledge about Peripheral Vascular Access Device Selection and Placement
- Learn Peripheral Venous Site Selection, Access Site Preparation and Device Placement and Site care and Maintenance.
- Understand Infusion Related Complications and its Nursing Management
- Study about considerations for Intravenous Drug Administration such as Drug preparation, Drug calculation etc.
- Have knowledge on clinical Decision making.
- Learn about Documentation and Report preparation.
- Understand the Blood Transfusion Therapy and Nursing Responsibilities
- Learn about the future of Infusion Nursing



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Date/Time	Content	Resource Person
<b>Day 1:18.01.2025</b>		
8.30 am to 9.00 am	Pre test	
9.00 am to 10.00 am	<b>Introduction to Infusion Nursing</b> <ul style="list-style-type: none"> <li>• Definition</li> <li>• Standards and Practices</li> <li>• Ethics</li> <li>• Scope of Practice</li> <li>• Role and Responsibilities</li> </ul> <b>Patient care</b> <ul style="list-style-type: none"> <li>• Orders for initiation and management of infusion Therapy</li> <li>• Patient Education</li> <li>• Informed Consent</li> </ul>	Mrs. Punam Rane, Assistant Professor, MGMNBCON, Kamothe.
10.00 am to 11.00 am	<b>Infusion Equipment</b> Exhibit and Demonstration <ul style="list-style-type: none"> <li>• Add-on Devices</li> <li>• Needleless Connectors</li> <li>• Filters</li> <li>• Flow control Devices</li> <li>• Blood and Fluid Warmers</li> <li>• Tourniquets</li> <li>• Administration sets</li> <li>• Catheter Stabilization devices</li> </ul>	Ms.Ferganzia Jubilson, Associate Professor, MGMNBCON, Kamothe.
11.00 am to 11.30 am	<ul style="list-style-type: none"> <li>• Practical session on IV Pumps and IV</li> <li>• Bolus Injection</li> </ul>	Ms. Amita Chavan, Tutor, MGMNBCON, Kamothe
11.30 am to 12.30 pm	Peripheral Venous Access Device Selection and Placement <ul style="list-style-type: none"> <li>• Short peripheral catheters</li> <li>• Midline Catheters</li> </ul> Peripheral Venous Site Selection and cannulation Demonstration <ul style="list-style-type: none"> <li>• Equipment</li> <li>• Preparing the patient</li> <li>• Checking the cannula</li> <li>• Peripheral Vascular Access Site Preparation, insertion procedure and Device Placement</li> </ul>	Ms. Tejal Karlekar, Tutor, MGMNBCON, Kamothe
Lunch Break		



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Date/Time	Content	Resource Person
1.00 pm to 2.30 pm	<b>Clinical Assessment and Monitoring</b> <ul style="list-style-type: none"> <li>Anatomy and Physiology Applied to Peripheral IV Infusion therapy.</li> <li>Diagnostic Testing and Values</li> <li>Fluid and Electrolyte balance</li> <li>Principles of parenteral Administration</li> <li>Evidence based infusion Practice</li> </ul>	Mrs Sanjukta Mohanty Assistant Professor  MGMNBCON, Kamothe.  Self-Directed Learning -write Review of literature and research papers on Clinical Assessment and Monitoring. Case Scenario
2.30 pm to 5.00 pm	<b>Infection Prevention and Safety Compliance</b> <ul style="list-style-type: none"> <li>Infection Prevention</li> <li>Hand Hygiene</li> <li>Compounding of Parenteral solution and Medications</li> <li>Safe Handling and Disposal of Sharps, Hazardous Waste</li> <li>Disinfection of Durable Medical Equipment</li> <li>Blood borne pathogens</li> <li>Needle Stick Injury and Prevention and Its Management</li> </ul>	Ms.Ferganzia Jubilson, Associate Professor, MGMNBCON, Kamothe.  Self-Directed Learning Analyze and write existing policies and guidelines related to infection prevention, hand hygiene, safe handling of sharps and hazardous waste, and management of needle stick injuries.
<b>Day 2: 25.01.2025</b>		
8.30.am to 9.30 am	<b>Site care and Maintenance Demonstration</b> <ul style="list-style-type: none"> <li>Administration set changes</li> <li>Vascular access Device Removal</li> <li>Flushing</li> <li>Vascular Access Device site care and Dressing</li> </ul>	Mrs. Manisha Sawant, Assistant Professor, MGMNBCON, Kamothe.
9.30 am to 10.30 am	<b>Considerations for Intravenous Drug Administration (Demonstration and Practical Session)</b> <ul style="list-style-type: none"> <li>Drug preparation</li> <li>Drug Containers</li> <li>Drug Compatibility and Stability</li> <li>Methods of IV drug Administration</li> <li>Drug calculations and infusion therapy calculations</li> </ul>	Ms. Smruti Parkar, Assistant Professor, MGMNBCON, Kamothe





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Date/Time	Content	Resource Person
	<b>Documentation</b> <ul style="list-style-type: none"><li>• Unusual occurrence and sentinel Event Reporting</li><li>• Product Evaluation, Integrity, and Defect Reporting</li><li>• Verification of Product and medication</li></ul>	MS. Smruti Parkar, Assistant Professor MGMNBCON, Kamothe.
10.30 am to 11.30 am	<b>Blood Transfusion Therapy</b> <ul style="list-style-type: none"><li>• Blood Types and grouping</li><li>• Types of Blood Products</li><li>• Storage and handling of blood</li><li>• Nursing responsibilities prior to, during and after blood transfusion</li><li>• Post transfusion reaction and nursing responsibilities</li><li>• Ethical issues related to Blood transfusion.</li><li>• Donor selection and counseling of blood donors.</li><li>• Bio-safety and waste management in relation to blood transfusion.</li><li>• Documentation and records for blood transfusion</li></ul>	Ms. Punam Rane, Assistant Professor MGMNBCON, Kamothe.
11.30 am to 12.30 pm	<b>Demonstration</b> Blood Transfusion Procedure	
<b>Lunch Break</b>		
1.00 pm to 2.00 pm	<b>Clinical Decision Making</b> <ul style="list-style-type: none"><li>• Infusion Delivery System and Management</li><li>• Administration of Parenteral Investigational Drugs</li><li>• IV Infusion Related Complications and Nursing Interventions</li></ul>	Mrs. Sarika Nair, Associate Professor, MGMNBCON, Kamothe.  Self-Directed Learning-Case Scenario



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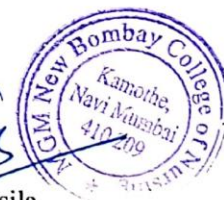
Date/Time	Content	Resource Person
2.00 pm to 4.30 pm	Activity on Visual Infusion Phlebitis Score	Mrs. Amita Chavan, Tutor, MGMNBCON, Kamothe.
	Activity related to central venous device	Self-Directed Learning-Case Scenario,
	Differentiate between infusion therapy and IV Therapy — Activity	Write assignment on current guidelines for central venous catheter insertion and maintenance.  Quiz on distinguishing characteristics between infusion therapy and IV therapy
4.30 pm to 5.00 pm	Post test	Mrs. Punam Rane, Assistant Professor MGMNBCON, Kamothe.

#### Note:

- Only 25 Participants will be considered for the course on first come first served basis.
- Course Evaluation: Pretest - Post test
- Course Fee: Nil.
- Registration : Fill the registration forms are available with Mrs. Punam P, Rane, Asst Professor
- Registration form should be submitted on or before 17/01/2025

  
Mrs. Punam P Rane  
Course Co-Ordinator

  
Dr. (Mrs) Prabha K. Dasila  
Professor & Director



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