



### Bachelor of Science in Nursing (B.Sc. Nursing) (Semester-II)

Course Code	<b>UM02CNFN03</b>	Title of the Course	<b>Nursing Foundations (I &amp; II)</b>
Total Credits of the Course	<b>07</b>	Contact Credit Hours	<b>440</b>

<b>Course Objectives</b>	<ol style="list-style-type: none"> <li>1. Perform health assessment of each body system</li> <li>2. Develop skills in assessment, planning, implementation and evaluation of nursing care using Nursing process approach</li> <li>3. Identify and meet the Nutritional needs of patients</li> <li>4. Implement basic nursing techniques in meeting hygienic needs of patients</li> <li>5. Plan and Implement care to meet the elimination needs of patient</li> <li>6. Develop skills in instructing and collecting samples for investigation.</li> <li>7. Perform simple lab tests and analyze &amp; interpret common diagnostic values</li> <li>8. Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation</li> <li>9. Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances</li> <li>10. Assess, plan, implement &amp; evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness</li> <li>11. Care for terminally ill and dying patients</li> </ol>
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Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)
General Medical/ Surgical wards	3	Perform health assessment of each body system	<b>Health Assessment</b> <ul style="list-style-type: none"> <li>• Nursing/Health history taking</li> <li>• Perform physical examination:               <ul style="list-style-type: none"> <li>○ General Body systems</li> </ul> </li> <li>• Use various methods of physical examination – Inspection, Palpation, Percussion, Auscultation, Olfaction</li> <li>• Identification of system wise deviations</li> <li>• • Documentation of findings</li> </ul>
	1	Develop skills in assessment, planning, implementation and evaluation of nursing care using Nursing process approach	<b>The Nursing Process</b> <ul style="list-style-type: none"> <li>• Prepare Nursing care plan for the patient based on the given case scenario</li> </ul>
	2	Identify and meet the Nutritional needs of patients Implement basic nursing techniques in meeting hygienic needs of patients	<b>Nutritional needs, Elimination needs &amp; Diagnostic testing</b> <i>Nutritional needs</i> <ul style="list-style-type: none"> <li>• Nutritional Assessment</li> <li>• Preparation of Nasogastric tube feed</li> <li>• Nasogastric tube feeding</li> </ul> <i>Hygiene</i> <ul style="list-style-type: none"> <li>• Care of Skin &amp; Hair:               <ul style="list-style-type: none"> <li>– Sponge Bath/ Bed bath</li> </ul> </li> </ul>



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Syllabus with effect from the Academic Year 2021-2022

Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)
			<ul style="list-style-type: none"> <li>– Care of pressure points &amp; back massage</li> <li>• Pressure sore risk assessment using Braden/Norton scale</li> <li>– Hair wash</li> <li>– Pediculosis treatment</li> <li>• Oral Hygiene</li> <li>• Perineal Hygiene</li> <li>• • Catheter care</li> </ul>
	<b>2</b>	Plan and Implement care to meet the elimination needs of patient Develop skills in instructing and collecting samples for investigation. Perform simple lab tests and analyze & interpret common diagnostic values	<b>Elimination needs</b> <ul style="list-style-type: none"> <li>• Providing               <ul style="list-style-type: none"> <li>– Urinal</li> <li>– Bedpan</li> </ul> </li> <li>• Insertion of Suppository</li> <li>• Enema</li> <li>• Urinary Catheter care</li> <li>• Care of urinary drainage</li> <li>• <b>Diagnostic testing</b> Specimen Collection               <ul style="list-style-type: none"> <li>○ Urine routine and culture</li> <li>○ Stool routine</li> <li>○ Sputum Culture</li> </ul> </li> <li>• Perform simple Lab Tests using reagent strips               <ul style="list-style-type: none"> <li>○ Urine – Glucose, Albumin, Acetone, pH, Specific gravity</li> <li>• • Blood – GRBS Monitoring</li> </ul> </li> </ul>
	<b>3</b>	Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances	<p style="text-align: center;"><b>Electrolyte, and Acid – Base</b></p> <b>Balances</b> <b>Oxygenation needs</b> <ul style="list-style-type: none"> <li>• Oxygen administration methods               <ul style="list-style-type: none"> <li>○ Nasal Prongs</li> <li>○ Face Mask/Venturi Mask</li> </ul> </li> <li>• Steam inhalation</li> <li>• Chest Physiotherapy</li> <li>• Deep Breathing &amp; Coughing Exercises</li> <li>• Oral Suctioning</li> </ul> <b>Fluid, Electrolyte, and Acid – Base Balances</b> <ul style="list-style-type: none"> <li>• Maintaining intake output chart</li> <li>• Identify &amp; report complications of IV therapy</li> <li>• Observe Blood &amp; Blood Component therapy</li> <li>• Identify &amp; Report Complications of Blood &amp; Blood Component therapy</li> </ul>
	<b>3</b>	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages	<b>Administration of Medications</b> <ul style="list-style-type: none"> <li>• Calculate Drug Dosages</li> <li>• Preparation of lotions &amp; solutions</li> <li>• Administer Medications               <ul style="list-style-type: none"> <li>○ Oral</li> <li>○ Topical</li> <li>○ Inhalations</li> <li>○ Parenteral</li> </ul> </li> </ul>



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Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)
		within and between systems of Measurements Administer drugs by the following routes- Oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous Topical, inhalation	<ul style="list-style-type: none"> <li>▪ Intradermal</li> <li>▪ Subcutaneous Intramuscular</li> <li>▪ Instillations               <ul style="list-style-type: none"> <li>○ Eye, Ear, Nose –instillation of medicated drops, nasal sprays, irrigations</li> </ul> </li> </ul> <p><b>2</b> Assess, plan, implement &amp; evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness Care for terminally ill and dying patients</p>
	<b>2</b>	Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness Care for terminally ill and dying patients	<p><b>Sensory Needs and Care of Unconscious patients, Care of Terminally ill, death and dying</b></p> <p><i>Sensory Needs and Care of Unconscious patients</i></p> <ul style="list-style-type: none"> <li>• Assessment of Level of Consciousness using Glasgow Coma Scale</li> </ul> <p><i>Terminally ill, death and dying</i></p> <ul style="list-style-type: none"> <li>• • Death Care</li> </ul>

<b>Clinical Requirements</b>	<ol style="list-style-type: none"> <li>1. History Taking – 2</li> <li>2. Physical examination – 2</li> <li>3. Nursing process – 1</li> <li>4. Nutritional Assessment and Clinical Presentation – 1</li> <li>5. Pressure sore assessment – 1</li> <li>6. Clinical Presentation on Care of patient with Constipation – 1</li> <li>7. Lab values – inter-pretation</li> <li>8. Nursing rounds on care of patient with altered sensorium</li> </ol>
<b>Assessment Methods</b>	<ul style="list-style-type: none"> <li>• Assessment of clinical skills using checklist</li> <li>• OSCE</li> </ul>

SN	Details of Evaluation	Weightage
1	University Examination – Practical	50 Marks

