

NAME OF THE PROGRAMME	PROGRAMME OUTCOME	COURSE NAME & OUTCOME
<p><b>Masters of Science in Medical And Surgical Nursing</b></p>	<p><b>PO1-</b> Utilize/apply the concepts, theories and principles of nursing science</p> <p><b>PO2-</b> Demonstrate advance competence in practice of nursing</p> <p><b>PO3-</b> Practice as a nurse specialist.</p> <p><b>PO4-</b> Demonstrate leadership qualities and function effectively as nurse educator and manager.</p> <p><b>PO5-</b> Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research</p> <p><b>PO6-</b> Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system.</p>	<p><b><u>NURSING EDUCATION</u></b></p> <ul style="list-style-type: none"> <li>• <b>CO1-</b> Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.</li> <li>• <b>CO2-</b> Describe the teaching learning process.</li> <li>• <b>CO3-</b> Prepare and utilize various instructional media and methods in teaching learning process.</li> <li>• <b>CO4-</b> Demonstrate competency in teaching, using various instructional strategies.</li> <li>• <b>CO5-</b> Critically analyze the existing nursing educational programs, their problems, issues and future trends.</li> <li>• <b>CO6-</b> Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.</li> </ul>

<p><b>PO7-</b></p> <p>Establish collaborative relationship with members of other disciplines</p> <p><b>PO8-</b></p> <p>Demonstrate interest in continued learning for personal and professional advancement.</p>	<ul style="list-style-type: none"> <li>• <b>CO7-</b> Plan and conduct continuing nursing education programs.</li> <li>• <b>CO8-</b> Critically analyze the existing teacher preparation programs in nursing.</li> <li>• <b>CO9-</b> Demonstrate skill in guidance and counseling.</li> <li>• <b>CO10-</b> Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.</li> <li>• <b>CO11-</b> Explain the development of standards and accreditation process in nursing education programs.</li> <li>• <b>CO12-</b> Identify research priorities in nursing education.</li> <li>• <b>CO13-</b> Discuss various models of collaboration in nursing education and services.</li> <li>• <b>CO14-</b> Explain the concept, principles, steps, tools and techniques of evaluation</li> <li>• <b>CO15-</b> Construct, administer and evaluate various tools for assessment of knowledge,</li> </ul>
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skill, and attitude.

**ADVANCE NURSING PRACTICE**

- **CO1-**  
Appreciate and analyze the development of nursing as a profession.
- **CO2-**  
Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
- **CO3-**  
Explain bio- psycho- social dynamics of health, life style and health care delivery system.
- **CO4-**  
Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
- **CO5-**  
Describe scope of nursing practice.
- **CO6-**  
Provide holistic and competent nursing care following nursing process approach.
- **CO7-**  
Identify latest trends in nursing and the basis of advance nursing practice.
- **CO8-**

		<p>Perform extended and expanded role of nurse.</p> <ul style="list-style-type: none"> <li>• <b>CO9-</b> Describe alternative modalities of nursing care.</li> <li>• <b>CO10-</b> Describe the concept of quality control in nursing.</li> <li>• <b>CO11-</b> Identify the scope of nursing research.</li> <li>• <b>CO12-</b> Use computer in patient care delivery system and nursing practice.</li> <li>• <b>CO13-</b> Appreciate importance of self development and professional advancement.</li> </ul>
		<p><b><u>MEDICAL SURGICAL NURSING I</u></b></p> <ul style="list-style-type: none"> <li>• <b>CO1-</b> Appreciate the trends &amp; issues in the field of Medical – Surgical Nursing as a specialty.</li> <li>• <b>CO2-</b> Apply concepts &amp; theories related to health promotion.</li> <li>• <b>CO3-</b></li> </ul>

		<p>Appreciate the client as a holistic individual.</p> <ul style="list-style-type: none"><li>• <b>C04-</b> Perform physical, psychosocial assessment of Medical – Surgical patients.</li> <li>• <b>C05-</b> Apply Nursing process in providing care to patients.</li> <li>• <b>C06-</b> Integrate the concept of family centered nursing care with associated disorder such as genetic, congenital and long-term illness.</li> <li>• <b>C07-</b> Recognize and manage emergencies with Medical- Surgical patients.</li> <li>• <b>C08-</b> Describe various recent technologies &amp; treatment modalities in the management of critically ill patients.</li> <li>• <b>C09-</b> Appreciate the legal &amp; ethical issues relevant to Medical – Surgical Nursing.</li> <li>• <b>C010-</b> Prepare a design for layout and management of Medical – Surgical Units.</li> <li>• <b>C011-</b></li></ul>
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Appreciate the role of alternative systems of Medicine in care of patients.

- **CO12-**

Incorporate evidence based Nursing practice and identify the areas of research in the field of Medical – Surgical Nursing.

- **CO13-**

Recognize the role of Nurse practitioner as a member of the Medical – Surgical health team.

- **CO14-**

Teach Medical – Surgical Nursing to undergraduate nursing students & in-service nurses.

### **NURSING MANAGEMENT**

- **CO1-**

Describe the philosophy and objectives of the health care institutions at various levels.

- **CO2-**

Identify trends and issues in nursing

- **CO3-**

Discuss the public administration, health care administration vis a vis nursing administration

- **CO4-**

		<p>Describe the principles of administration applied to nursing</p> <ul style="list-style-type: none"><li>• <b>CO5-</b> Explain the organization of health and nursing services at the various levels/institutions.</li><li>• <b>CO6-</b> Collaborate and co-ordinate with various agencies by using multi- sectoral approach</li><li>• <b>CO7-</b> Discuss the planning, supervision and management of nursing workforce for various health care settings.</li><li>• <b>CO8-</b> Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care</li><li>• <b>CO9-</b> Identify and analyse legal and ethical issues in nursing administration</li><li>• <b>CO10-</b> Describe the process of quality assurance in nursing services.</li><li>• <b>CO11-</b> Demonstrate leadership in nursing at</li></ul>
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various levels

**MEDICAL SURGICAL NURSING – Cardiovascular & Thoracic Nursing**

- **CO1-**  
Appreciate trends and issues related to cardio vascular and thoracic Nursing.
- **CO2-**  
Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardio vascular and thoracic conditions
- **CO3-**  
Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardio vascular and thoracic conditions
- **CO4-**  
Perform physical, psychosocial & spiritual assessment
- **CO5-**  
Assist in various diagnostic, therapeutic and surgical procedures
- **CO6-**  
Apply nursing process in providing comprehensive care to patients with cardio vascular and thoracic conditions



		<ul style="list-style-type: none"><li>• <b>CO7-</b> Demonstrate advance skills/competence in managing patients with cardio vascular and thoracic conditions including Advance Cardiac Life Support.</li> <li>• <b>CO8-</b> Describe the various drugs used in cardio vascular and thoracic conditions and nurses responsibility</li> <li>• <b>CO9-</b> Demonstrate skill in handling various equipments/gadgets used for critical care of cardio vascular and thoracic patients</li> <li>• <b>CO10-</b> Appreciate team work &amp; coordinate activities related to patient care.</li> <li>• <b>CO11-</b> Practice infection control measures.</li> <li>• <b>CO12-</b> Identify emergencies and complications &amp; take appropriate measures</li> <li>• <b>CO13-</b> Discuss the legal and ethical issues in cardio vascular and thoracic nursing</li> <li>• <b>CO14-</b> Assist patients and their family to cope with</li></ul>
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emotional distress, grief, anxiety and spiritual needs.

- **CO15-**  
Appreciate the role of alternative system of medicine in care of patient
- **CO16-**  
Incorporate evidence based nursing practice and identify the areas of research in the field of cardio vascular and thoracic nursing
- **CO17-**  
Identify the sources of stress and manage burnout syndrome among health care providers.
- **CO18-**  
Teach and supervise nurses and allied health workers.
- **CO19-**  
Design a layout of ICCU and ICTU and develop standards for cardio vascular and thoracic nursing practice

**MEDICAL SURGICAL NURSING –**  
**Critical Care Nursing**

- **CO1-**  
Appreciate trends and issues related to Critical Care Nursing.

		<ul style="list-style-type: none"><li>• <b>CO2-</b> Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients</li> <li>• <b>CO3-</b> Describe the various drugs used in critical care and nurses responsibility</li> <li>• <b>CO4-</b> Perform physical, psychosocial &amp; spiritual assessment</li> <li>• <b>CO5-</b> Demonstrate advance skills/competence in managing critically ill patients including Advance Cardiac Life Support.</li> <li>• <b>CO6-</b> Demonstrate skill in handling various equipments/gadgets used for critical care</li> <li>• <b>CO7-</b> Provide comprehensive care to critically ill patients.</li> <li>• <b>CO8-</b> Appreciate team work &amp; coordinate activities related to patient care.</li> <li>• <b>CO9-</b> Practice infection control measures.</li></ul>
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		<ul style="list-style-type: none"><li>• <b>CO10-</b> Asses and manage pain.</li> <li>• <b>CO11-</b> Identify complications &amp; take appropriate measures.</li> <li>• <b>CO12-</b> Discuss the legal and ethical issues in critical care nursing.</li> <li>• <b>CO13-</b> Assist patients and their family to cope with emotional distress, spiritual, grief and anxiety.</li> <li>• <b>CO14-</b> Assist in various diagnostic, therapeutic and surgical procedures</li> <li>• <b>CO15-</b> Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing</li> <li>• <b>CO16-</b> Identify the sources of stress and manage burnout syndrome among health care providers.</li> <li>• <b>CO17-</b> Teach and supervise nurses and allied health workers.</li></ul>
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- **CO18-**

Design a layout of ICU and develop standards for critical care nursing practice.

**MEDICAL SURGICAL NURSING-**  
**Oncology Nursing**

- **CO1-**

Explain the prevention, screening and early detection of cancer

- **CO2-**

Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems

- **CO3-**

Describe the psychosocial effects of cancer on patients and families.

- **CO4-**

Demonstrate skill in administering/assisting in various treatment modalities used for patients with cancer

- **CO5-**

Apply nursing process in providing holistic care to patients with cancer.

- **CO6-**

Apply specific concepts of pain management

		<ul style="list-style-type: none"><li>• <b>CO7-</b> Appreciate the care of death and dying patients and value of bereavement support.</li> <li>• <b>CO8-</b> Describe the philosophy, concept and various dimensions of palliative care</li> <li>• <b>CO9-</b> Appreciate the role of alternative systems of medicine in care of cancer patients</li> <li>• <b>CO10-</b> Appreciate the legal &amp; ethical issues relevant to oncology nursing</li> <li>• <b>CO11-</b> Recognize and manage Oncological emergencies</li> <li>• <b>CO12-</b> Counsel the patients with cancer and their families</li> <li>• <b>CO13-</b> Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing</li> <li>• <b>CO14-</b> Recognize the role of oncology nurse practitioner as a member of oncology team</li></ul>
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- **CO15-**  
Collaborate with other agencies and utilize resources in caring for cancer patients.
- **CO16-**  
Teach and supervise nurses and allied health workers.
- **CO17-**  
Design a layout and develop standards for management of oncology units/hospitals and nursing care.

**MEDICAL SURGICAL- Neurosciences**  
**Nursing**

- **CO1-**  
Appreciate trends and issues related to neurology and neurosurgical Nursing.
- **CO2-**  
Review the anatomy and physiology of nervous system
- **CO3-**  
Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with neurological and neurosurgical disorders
- **CO4-**  
Perform neurological assessment and assist in diagnostic procedures

		<ul style="list-style-type: none"><li>• <b>CO5-</b> Describe the concepts and principles of neuroscience nursing</li> <li>• <b>CO6-</b> Describe the various drugs used in neurosciences and nurses responsibility</li> <li>• <b>CO7-</b> Assist in various therapeutic and surgical procedures in neuroscience nursing</li> <li>• <b>CO8-</b> Demonstrate advance skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach</li> <li>• <b>CO9-</b> Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional distress, spiritual, grief and anxiety</li> <li>• <b>CO10-</b> Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.</li> <li>• <b>CO11-</b> Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing</li></ul>
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- **CO12-**  
Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing
- **CO13-**  
Organise and conduct inservice education program for nursing personnel.
- **CO14-**  
Develop standards of care for quality assurance in neuroscience nursing practice
- **CO15-**  
Identify the sources of stress and manage burnout syndrome among health care providers.
- **CO16-**  
Teach and supervise nurses and allied health workers.
- **CO17-**
- Plan and develop physical layout of neuro intensive care unit

**MEDICAL SURGICAL NURSING- Nephro**

**Urology nursing**

- **CO1-**  
Appreciate trends and issues related to nephro and urological nursing

		<ul style="list-style-type: none"><li>• <b>C02-</b> Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions</li> <li>• <b>C03-</b> Perform physical, psychosocial &amp; spiritual assessment</li> <li>• <b>C04-</b> Assist in various diagnostic, therapeutic and surgical interventions</li> <li>• <b>C05-</b> Provide comprehensive nursing care to patients with nephro and urological conditions</li> <li>• <b>C06-</b> Describe the various drugs used in nephro and urological conditions and nurses responsibility</li> <li>• <b>C07-</b> Demonstrate skill in handling various equipments/gadgets used for patients with nephro and urological conditions</li> <li>• <b>C08-</b> Appreciate team work &amp; coordinate activities related to patient care.</li> <li>• <b>C09-</b></li></ul>
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		<p>Practice infection control measures.</p> <ul style="list-style-type: none"><li>• <b>CO10-</b> Identify emergencies and complications &amp; take appropriate measures</li> <li>• <b>CO11-</b> Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs</li> <li>• <b>CO12-</b> Discuss the legal and ethical issues in nephro and urological nursing</li> <li>• <b>CO13-</b> Identify the sources of stress and manage burnout syndrome among health care providers</li> <li>• <b>CO14-</b> Appreciate the role of alternative system of medicine in the care of patient</li> <li>• <b>CO15-</b> Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing</li> <li>• <b>CO16-</b> Teach and supervise nurses and allied health workers.</li></ul>
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- **CO17-**  
Design a layout of kidney transplant unit and dialysis unit
- **CO18-**  
Develop standards of nephro urological nursing practice

**MEDICAL SURGICAL NURSING-**  
**Orthopedic nursing**

- **CO1-**  
Appreciate the history and developments in the field of orthopedic nursing
- **CO2-**  
Identify the psycho-social needs of the patient while providing holistic care.
- **CO3-**  
Perform physical and psychological assessment of patients with orthopedic conditions and disabilities.
- **CO4-**  
Describe various disease conditions and their management
- **CO5-**  
Discuss various diagnostic tests required in orthopedic conditions

		<ul style="list-style-type: none"><li>• <b>CO6-</b> Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation.</li> <li>• <b>CO7-</b> Recognize and manage orthopedic emergencies.</li> <li>• <b>CO8-</b> Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation.</li> <li>• <b>CO9-</b> Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions.</li> <li>• <b>CO10-</b> Counsel the patients and their families with orthopedic conditions</li> <li>• <b>CO11-</b> Describe various orthotic and prosthetic appliances</li> <li>• <b>CO12-</b> Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring</li></ul>
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rehabilitation.

- **CO13-**  
Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
- **CO14-**  
Incorporate evidence based nursing practice and identifies the areas of research in the field of orthopedic nursing.
- **CO15-**  
Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team.
- **CO16-**  
Teach orthopedic nursing to undergraduate students and in-service nurses.
- **CO17-**  
Prepare a design and layout of orthopedic and rehabilitative units.

**MEDICAL SURGICAL NURSING- Gastro  
enterology Nursing**

- **CO1-**  
Appreciate trends and issues related to gastro enterology nursing
- **CO2-**

		<p>Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions</p> <ul style="list-style-type: none"><li>• <b>C03-</b> Participate in national health programs for health promotion, prevention and rehabilitation of patients with gastrointestinal conditions</li> <li>• <b>C04-</b> Perform physical, psychosocial &amp; spiritual assessment</li> <li>• <b>C05-</b> Assist in various diagnostic, therapeutic and surgical procedures</li> <li>• <b>C06-</b> Provide comprehensive care to patients with gastrointestinal conditions</li> <li>• <b>C07-</b> Describe the various drugs used in gastrointestinal conditions and nurses responsibility</li> <li>• <b>C08-</b> Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions</li> <li>• <b>C09-</b></li></ul>
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		<p>Appreciate team work &amp; coordinate activities related to patient care.</p> <ul style="list-style-type: none"><li>• <b>CO10-</b> Practice infection control measures.</li><li>• <b>CO11-</b> Identify emergencies and complications &amp; take appropriate measures</li><li>• <b>CO12-</b> Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs</li><li>• <b>CO13-</b> Discuss the legal and ethical issues in GE nursing</li><li>• <b>CO14-</b> Identify the sources of stress and manage burnout syndrome among health care providers</li><li>• <b>CO15-</b> Appreciate the role of alternative system of medicine in care of patient</li><li>• <b>CO16-</b> Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing</li></ul>
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		<ul style="list-style-type: none"><li>• <b>CO17-</b> Teach and supervise nurses and allied health workers.</li> <li>• <b>CO18-</b> Design a layout of Gastro entrology intensive care unit (GEICU) , liver care/transplant unit</li></ul>
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