

Course Content

Course Title: Microbiology

Credits**Total = 02 | Theory = 1.5 | Skill/Clinical = 0.5**

By the end of this course, students will be able to

1. Classify common disease-causing microorganisms.
2. Differentiate between different methods of microbe detection and destruction.
3. Demonstrate infection control practices that prevent the spread of infection in a hospital and community environment.
4. Demonstrate the skills learned in the laboratory to carry out simple laboratory experiments.

Course Title: Biochemistry

Credits**Total = 02 | Theory = 1.5 | Skill/Clinical = 0.5**

By the end of this course, students will be able to

1. Differentiate between the biochemical basis of proteins, carbohydrates, lipids, enzymes, hormones.
2. Explain the role of proteins, carbohydrates, lipids, enzymes, hormones in metabolism.
3. Relate the basic knowledge of biochemistry for a better understanding of the physiological functions of the human body.
4. Interpret basic biochemical test reports in relation to the physiological function of the human body.

Course Title: Fundamentals of Nursing – 1

Credits**Total = 03 | Theory = 02 | Skill/Clinical = 01**

By the end of this course, students will be able to:

1. Describe the historical development of Health care and Nursing and the role of national and international nursing Leaders and their contributions to the profession of nursing.
2. Differentiate profession and occupation.
3. Compare and contrast definitions of nursing by different Nursing Scholars.
4. Describe the role of a professional nurse.
5. Differentiate between the different basic concepts of theories of nursing.
6. Differentiate between different models of Health.
7. Explain the Health status, Health beliefs models, and Health practices.
8. Prioritize patient problems by utilizing a hierarchy of needs.
9. Apply the nursing process to manage human responses of clients to their actual or potential health problems.
10. Demonstrate safe practice of selected fundamental nursing procedures which apply to client's comfort, hygiene, safety, mobility, physiologic functions, and psychosocial health.
11. Apply therapeutic communication and decision-making skills to involve the client in decision-making regarding his/her healthcare.

12. Assess cultural, spiritual, and bio-psychosocial factors when arriving at nursing diagnoses and relevant interventions for individual clients.
13. Identify the Scope of nursing practice in Pakistan.

Clinical Objectives

1. Identify the roles and functions of health care team members.
2. Describe the functions of the various departments in a hospital.
3. Describe the physical setup of the ward.
4. Demonstrate fundamental nursing psychomotor skills in a safe manner.
5. Observe the coordination of patients' care between the health team members.
6. Identify different forms used for documentation in patients' care.
7. Observe the process of admission, transfer, and discharge of a patient in a hospital.
8. Orient a patient to the hospital environment.
9. Observe various legal forms/documents used in the admission process.
10. Observe patients' reactions to hospitalization and give assistance as needed.
11. Demonstrate occupied and unoccupied bed making.
12. Provide safe and respectful personal hygiene care as per patients need.

Course Title: Anatomy and Physiology – I

Credits	Total = 03 Theory = 2.5 Skill/Clinical = 0.5
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By the end of this course, students will be able to:

1. Describe and correlate the structures and functions of the following systems of the human body.
 - I. Musculoskeletal system
 - II. Integumentary system
 - III. Circulatory system
 - IV. Digestive system
2. Discuss the role of homeostasis in maintaining normal body functioning.
3. Relate the basic anatomy & physiology concepts to the nursing care of clients.

Fundamentals of Nursing – II

Credits	Total = 04 Theory = 02 Skill/Clinical = 02
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By the end of this course, students will be able to:

1. Plan care for the patient by utilizing functional health patterns.
2. Examine values conflict and resolution in nursing care situations.
3. Apply the nursing process and critical thinking skills to deliver safe nursing care to clients/ individuals with alterations in following physiological health patterns.
4. Apply the knowledge derived from Humanities, Natural, and Behavioral Sciences, while providing nursing care to clients.
5. Identifies professional, ethical, and legal principles relevant to the practice of a registered nurse.

Clinical Objectives

6. Perform all basic nursing skills safely and accurately in the clinical setting.
7. Utilize techniques of therapeutic communication skills with patient and health team

- members.
8. Collect patients' data through interviews.
 9. Observe the coordination of patients' care between the health team members.
 10. Utilize appropriate hospital forms for documentation.
 11. Assess and document variations in Vital Signs
 12. Apply a Nursing care plan based on priority patients' problems by following all the six components of the nursing process.
 13. Observe various legal forms/documents used in the admission process.
 14. Document patients' assessment and care provided.
 15. Demonstrate safety measures for patients.
 16. Demonstrate the range of motion exercises on a patient.
 17. Perform basic fundamental psychomotor nursing skills.
 18. Assist in transferring patients from bed to bed, a bed to chair, and bed to stretcher.
 19. Utilize different comfort devices in patients' care.
 20. Assist patients with different types of positions.
 21. Demonstrate characteristics of a professional nurse.
 22. Assist patients in maintaining proper body alignment in the bed.

Professional Communication Skills

Credits	Total = 03 Theory = 03 Skill/Clinical = 00
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By the end of this course, students will be able to

1. Acknowledge the significance of multicultural communication differences in the nurse-client relationship.
2. Recognize concepts and actions that enhance listening skills, including restating, reflecting, clarifying, summarizing, and demonstrating empathy.
3. Recognize and employ communication methods verbal and nonverbal that are both effective and culturally sensitive, demonstrating emotional intelligence.
4. Demonstrate assertiveness principles to express differences confidently, utilizing appropriate language.
5. Exhibit understanding and application of therapeutic communication techniques.
6. Identify the use of various communication tools, such as SBAR, PQRSU, PACT, and DAIM etc.
7. Utilize effective language for conflict management and dealing with hostility.
8. Share information with clients and families in a respectful and comprehensible manner, fostering discussion and encouraging participation in decision-making.

Course Title: Anatomy and Physiology - II

Credits	Total = 03 Theory = 2.5 Skill/Clinical = 0.5
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By the end of this course, students will be able to:

1. Describe and correlate the structures and functions of the following systems of the human body.
 - I. Respiratory system
 - II. Urinary system
 - III. Sensory Nervous system
 - IV. Endocrine system

V. Reproductive system

2. Relate the basic anatomy & physiology concepts to the nursing care of client.

Course Title: Applied Nutrition

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, students will be able to

1. Describe the role of Diet for the prevention & management of diseases.
2. Apply the knowledge of nutrition in the management of nutritional needs of patients with chronic and long-term diseases.
3. Plan a healthy balanced diet based on available resources and nutritional needs for the health, growth of the family members of different ages.

Course Title: Theoretical basis of Nursing

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, students will be able to:

1. Discuss the structure and function of nursing theory, its need, and the purpose of development.
2. Describe the historical context of nursing theoretical development.
3. Discuss the systematic development, description, and evaluation of theory.
4. Explain the relationship among theory, research, and practice.
5. Apply & examine the application of selected conceptual models and theories in nursing practice.

Course Title: Clinical Pharmacology and Drug Administration – I

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, students will be able to:

1. Discuss the terminology, history, and principle of pharmacology.
2. Identify the purposes and source of medications.
3. Differentiate major drugs and drug classes currently used in clinical practice.
4. Differentiate pharmacokinetic and pharmacodynamics.
5. Explain the drugs standard and legislation.
6. Explain the indication, contraindication, effects, and side effects of different drugs on different human body systems.
7. Interpret evidence presented by clients during a therapy session.
8. Design and modify appropriate dosing regimens of drugs in specific patient populations.

Course Title: Professional Ethics for Nurses

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course the learners will be able to

1. Differentiate between different ethical principles in health care and nursing.
2. Identify ethical concerns in the clinical area and discuss alternatives for the identified ethical concerns.
3. Discuss the changing health environment for the role of nurses in the delivery of

- ethical nursing care.
4. Exhibit characteristics of a professional nurse.
 5. Explore and demonstrate respect for patients/families' values and beliefs' clinical setting.
 6. Integrate nursing code of ethics and ethical principles in a clinical setting.

Course Title: Medical Surgical Nursing – I

Credits

Total = 07 | Theory = 03 | Skill/Clinical = 04

By the end of this course the learners will be able to:

1. Identify the concepts of medical-surgical in nursing with emphasis on meeting the needs of the patient.
2. Apply integrated knowledge of basic, clinical, and nursing sciences while providing nursing care to the patient with medical surgical issues.
3. Demonstrate clinical reasoning based on the integrated knowledge to solve patients' problems.
4. Apply relevant research findings in designing appropriate nursing care for the patients.
5. Utilize an integrated concept map when planning care for medical surgical clients.
6. Plan holistic care for adult patients with a variety of medical and surgical disorders of the following systems.
 - Hematology disorders.
 - Immunological disorders.
 - Fluid, Electrolyte, and acid-base balance.
 - Gastrointestinal disorders.
 - Genitourinary disorders
 - Oncologic disorder

Clinical Objectives

1. Applies the nursing process and critical thinking in delivering Holistic nursing care to clients with various medical/surgical conditions in institutions and communities.
2. Formulate Nursing Care plans while caring for all adult clients in the units.
3. Incorporate cognitive, interpersonal, and technical skills from the humanities, natural and behavioral sciences while providing nursing care to clients.
4. Demonstrate awareness of legal and ethical standards when providing nursing care.
5. Demonstrate the knowledge of pharmacology used to treat all medical surgical disorders.
6. Demonstrate leadership abilities necessary to foster change in the delivery of care for patients.
7. Provide culturally sensitive and realistic teaching to clients and families in collaboration with other health team members.
8. Incorporate research findings relevant to nursing practice.
9. Collaborate with members of the health care team to promote and maintain optimum wellness of adult clients.

10. Prepares and provides care for patients going for the following diagnostic tests/examinations.
11. Perform the following psychomotor nursing skills competently.
 - a. N/G tube insertion, feeding removal.
 - b. Urinary catheterization.
 - c. Drug administration.

Course Title: Health Assessment – I

Credits	Total = 02 Theory = 01 Skill/Clinical = 01
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By the end of this course the learners will be able to:

1. Assess the health status of an individual systematically by obtaining a complete health history using interviewing skills appropriately.
2. Utilize proper types and techniques of assessment and physical examination in assessing skin, head, neck, nose, mouth, pharynx, anus and rectum, breast, axilla, and genital.
3. Differentiate normal from abnormal health findings.
4. Document the patient's findings in an appropriate manner.
5. Apply knowledge of growth & development, anatomy, physiology, & psychosocial skills in the assessment & analysis of data collected.
6. Apply therapeutic communication while history taking.
Demonstrate skills of history taking in the clinical area.

Course Title: Pathophysiology – I

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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By the end of this course the learners will be able to

1. Explain the fundamental concepts of homeostasis, cellular changes, inflammation, infection, healing, and abnormal immune responses.
2. Relate the knowledge of anatomy and physiology to the disruptions in homeostasis resulting in a disorder or disease process.
3. Differentiate between different disease processes occurring due to disruption in homeostasis and hematological disorders.
4. Demonstrate interpretation of values of fluid, electrolyte, and acid-base balance as well as analyze how imbalances can promote disorder in the body.
5. Integrate the knowledge of the basic principles of pathophysiology in caring for patients in hospital and community environments.
6. Describe the pathophysiological process of common health problems.
7. Explain the pathological reasons of clinical manifestation, and effects of disease of Genitourinary and Gastrointestinal organs.
8. Explain the contribution of environmental factors in developing changes in normal physiological processes.

Course Title: Applied Psychology**Credits**

Total = 03 | Theory = 03 | Skill/Clinical = 00

By the end of this course, the students will be able to:

1. Analyze the health-related knowledge, beliefs, attitude, and practices of various socio-cultural groups in the health care system.
2. Apply methods and findings/ of clinical psychology to solve practical problems of human behavior and experience.
3. Plan different psychological measures for promoting subjective wellbeing and personal development.
4. Apply psychological development knowledge in health care practices.
5. Demonstrate psychological assessment and psychotherapy in diverse clients.

Course Title: Medical Surgical Nursing – II**Credits**

Total = 07 | Theory = 03 | Skill/Clinical = 04

By the end of this course, the students will be able to:

1. Apply integrated knowledge of basic, clinical, and nursing sciences while providing nursing care to the patient with medical surgical issues.
2. Demonstrate clinical reasoning based on the integrated knowledge to solve patients' problems.
3. Plan holistic care for adult patients with a variety of cardiovascular, respiratory, endocrine, musculoskeletal, neurological and ENT (ear, nose, and throat) related disorders.
4. Incorporate the need of using relevant research findings in designing appropriate nursing care for the patients.
5. Apply technical skills regarding medical-surgical management. Record medications, treatments, and subjective/objective observations properly in the patient's record.
6. Explain the responsibilities of the nurse for commonly administered medications, nutritional therapies, and diagnostic tests used in the care of patients with multisystem disruptions.
7. Provide appropriate health information to the patient and family using standardized teaching plans.
8. Utilize therapeutic communication skills, guidance, and support in interacting with the adult patient and family and record observations in proper sequence and format.
9. Utilize technology to access and present patient information.
10. Recognize the need for integrating research-based information to the care of clients.

Clinical Objectives

1. Applies the nursing process and critical thinking in delivering Holistic nursing care to clients with various medical/surgical conditions in institutions and communities.
2. Formulate Nursing Care plans while caring for all adult clients in the units.
3. Incorporate cognitive, interpersonal, and technical skills from the humanities, natural and behavioral sciences while providing nursing care to clients.

4. Demonstrate awareness of legal and ethical standards when providing nursing care.
5. Develop awareness for self-evaluation of effectiveness in dealing with clients with Endocrine, Cardiovascular, Respiratory, ENT, Neurological and Orthopedic disorders.
6. Demonstrate the knowledge of pharmacology used to treat all medical surgical disorders.
7. Demonstrate leadership abilities necessary to foster change in the delivery of care for patients.
8. Provide culturally sensitive and realistic teaching to clients and families in collaboration with other health team members.
9. Incorporate research findings relevant to nursing practice.
10. Collaborate with members of the health care team to promote and maintain optimum wellness of adult clients.
11. Prepares and provides care for patients going for following diagnostic tests/examinations.
 - C.T. Scan
 - Cerebral Angiography
 - Lumber puncture
 - Myelograms
 - Audi metric
 - Thyroid scanning.
12. Document all assessments, nursing care, and discharge teaching provided to the clients.
13. Identifies the normal values and alterations in the diagnostic tests carried out for clients.
14. Demonstrates an understanding of the psychological needs of patients and their families during hospitalization and surgery.
15. Explain the possible reaction that a family member may exhibit when confronted with trauma, illness, death, and dying.
16. Provide holistic care to patients who are bedridden and immobile.
17. Identify normal sinus rhythm on a cardiac monitor and differentiate it from the abnormal rhythms.
18. Identify signs of increased ICP in patients with neurological conditions.
19. Observe the Emergency room systems and apply the concepts of triage.
20. Differentiate the role and responsibilities of each individual in E.R. from other units.
21. Demonstrate pre- and post-operative nursing care in patients with Muscular-skeletal surgeries.
22. Assist the following skills.
 - a. Lumbar puncture
 - b. 12 Lead ECG

- c. Blood sugars
- d. Eye and ear irrigation.
- e. Eye bandaging.
- f. Skin and Skeletal traction.
- g. Application of Plaster, cast
- h. Skin tractions, Knee mobilizer, and CPM

Course Title: Health Assessment – II

Credits	Total = 02 Theory = 01 Skill/Clinical = 01
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By the end of this course, the students will be able to

1. Assess the health status of an individual systematically by obtaining a complete health history using interviewing skills appropriately.
2. Utilize proper techniques of observation and physical examination in assessing followings,
 - Peripheral Vascular and Musculoskeletal Systems,
 - Mental Status and Sensory Neuro System,
 - Cardiovascular System,
 - Thorax and Lungs,
 - Eyes, & Ears.
3. Apply proper techniques of observation and physical examination in assessment of an Elderly Client and Pediatric Client.
4. Differentiate normal from abnormal patient findings.
5. Document patient findings in an appropriate manner.
6. Demonstrate an awareness of the need to incorporate health assessment as part of their general nursing practice skills.
7. Apply knowledge of growth & development, anatomy, physiology, & psychosocial skills in the assessment & analysis of data collected.
8. Apply therapeutic communication while history taking.
9. Demonstrate skills of history taking in the clinical area.

Course Title: Pathophysiology – II

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, the students will be able to:

1. Describe the factors in the environment, which contribute to producing changes in Physiological processes.
2. Discuss the relationship of normal body function with altered physiological mechanisms in the disease process.
3. Integrate the knowledge of the basic principles of Pathophysiology in a hospital and community environment.
4. Explain the pathogenesis of a variety of disorders.
5. Correlate normal physiology with pathology.
6. Analyze the pathology of a variety of disorders of following systems.

- Nervous system
- Cardiac system
- Respiratory system
- Endocrine system
- ENT
- Musculoskeletal

7. Interpret the results of laboratory tests to investigate pathological conditions.

Course Title: Clinical Pharmacology and Drug Administration – II

Credits

Total = 02 | Theory = 02 | Skill/Clinical = 00

By the end of this course, students are expected to:

1. Discuss the side and adverse effects of different drugs and drug categories.
2. Differentiate characteristics of major drugs and drug classes currently used in clinical practice.
3. Integrate knowledge of physiology, pathology, and pharmacology.
4. Describe the specific pharmacology of the major drugs currently used in treating the disorders of the following systems and indications, contraindication, effects, and side effects of different drugs on different human body systems.
 - Nervous system
 - Cardiac system
 - Respiratory system
 - Endocrine system
 - Musculoskeletal
 - ENT
 - Anti-inflammatory
 - Anesthesia
5. Interpret evidence presented by clients during a therapy session.

Course Title: Pediatric Health Nursing

Credits

Total = 07 | Theory = 03 | Skill/Clinical = 04

By the end of this course, students are expected to,

1. Explain principles of growth and development and its deviation in all aspects of nursing care.
2. Identify common health issues of the children in Pakistan.
3. Explain common medical and surgical diseases of children.
4. Evaluate the impact of hospitalization on the child and family.
5. Discuss the role of the family in the care of sick children in the Pakistani Context.
6. Integrate Pathophysiological and pharmacological knowledge into the care of sick children.
7. Integrate research-based information in the care of ‘child and family’.

8. Demonstrate culturally sensitive and safe care to pediatric patients in hospital settings.

Clinical objectives

1. Provide nursing care to children with various medical and surgical disorders.
2. Provide counseling and education to parents.
3. Provide pre- and post-operative care to children with common pediatric surgical conditions.
4. Perform assessment of children- developmental and anthropometric.
5. Perform immunization.
6. Provide nursing care to critically ill children.

Course Title: Maternal, Neonatal and Child Health Nursing

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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By the end of this course, students are expected to,

1. Develop understanding of maternal, neonatal and child health issues in different healthcare settings.
2. Utilize nursing processes in the care of mother, neonate, and child health.
3. Develop clinical reasoning skills that reflect sound nursing judgment in the provision of safe nursing care for women and children.
4. Demonstrate clinically competent nursing care to achieve optimal patient outcomes for women, neonates, and children.
5. Apply legal and ethical standards in practice of maternal, neonatal and child health nursing in Pakistan.
6. Integrate research for evidence-based maternal, neonatal and child health.

Clinical objectives

1. Provide counseling and teaching for ‘mother and family’ for parenthood and welfare services.
2. Perform assessment and management of various gynecological problems.
3. Demonstrate skill in providing nursing care in the normal pregnancy labor and puerperium.
4. Provide care for high-risk pregnancy cases.
5. Provide care for women with abnormal vaginal delivery.
6. Provide nursing care to antenatal, postnatal mother and baby.

Course Title: Epidemiology

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, students are expected to,

1. Discuss the general use of epidemiology.
2. Differentiate between the different epidemiological methods.
3. Describe the steps of an epidemiological investigation.

4. Interpret the relevance of epidemiological research findings to community health nursing practice.
5. Discuss the impact of population growth on the socioeconomic and health status in Pakistan.
6. Provide counseling to 'mother' for encouraging breastfeeding to newborn.

Course Title: Infectious Diseases

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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By the end of this course, students are expected to,

1. Integrate the Principles of teaching and learning in planning teaching session.
2. Analyze various adult learning theories and the characteristics of adult learners.
3. Differentiate in the cognitive, affective, and psychomotor domains of learning based on Bloom's taxonomy for writing objectives of teaching sessions.
4. Compare and contrast different teaching learning strategies for small and large group teachings.
5. Analyze the complexity of conditions that impact on learning.
6. Critically reflect on one's own learning.
7. Utilize appropriate health teaching strategies for diverse settings.
8. Plan patient and family education session by utilizing the steps of patient education.

Course Title: Public Health Nursing

Credits	Total = 04 Theory = 02 Skill/Clinical = 02
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By the end of this course, students are expected to,

1. Analyze the current population health issues in Pakistan in relation to the role of the community/public health nurse (C/PHN).
2. Demonstrate the role of the community health nurse as a care provider, practitioner, researcher, educator, and manager while participating in the health care of the community.
3. Utilize Functional Health Patterns and nursing process in delivering the care for patients in community setting with Tropical and Communicable Diseases prevalent in Pakistan.
4. Participate in planning, implementing, and evaluating the Health /Developmental projects with the community.
5. Utilize the concepts of Primary Health Care, Health Promotion, Epidemiology, demography, and Planning cycle in health/ development project in community setting.

Course Title: Mental Health Nursing

Credits	Total = 06 Theory = 03 Skill/Clinical = 03
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By the end of this course, students are expected to:

1. Demonstrate an awareness and acceptance of mental health and illness as legitimate health issues.

2. Identify factors affecting mental health especially in the Pakistani culture.
3. Apply nursing process as applied to mental health nursing.
4. Utilize knowledge base to actively participate in therapeutic milieu for clients with mental health problems.
5. Demonstrate care of a client suffering from different mental health illnesses.
6. Identify need and relevance of community mental health in Pakistan and the resources available to manage it.

Course Title: Introduction to Biostatistics (QR II)

Credits	Total = 03 Theory = 03 Skill/Clinical = 00
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By the end of this course, students are expected to:

1. Differentiate between various statistical terms in relation to health.
2. Explain the various statistical methods used in health sciences.
3. Demonstrate the calculation of various descriptive statistics such as frequency table, histogram, pie-chart, and line graph etc.
4. Analyze the use of statistics in some selected research studies.
5. Calculate statistical results for selected measures.

Course Title: Leadership and Management

Credits	Total = 03 Theory = 02 Skill/Clinical = 01
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By the end of this course, students are expected to:

1. Define leadership and management and differentiate between them.
2. Differentiate various management systems within and related to the health care system by utilizing various organizational theories.
3. Integrate various theories in relation to leadership, management, problem-solving and decision making, motivation, managing change and conflict management.
4. Explain the structures and functions of organizations.
5. Discuss the functions of management (planning, organizing, staffing, directing, and controlling) the available resources effectively and efficiently for achieving the goals of the organization.
6. Integrate critical thinking skills and theoretical concepts from nursing and other disciplines in leadership decision-making process.
7. Describe the contribution of Information Technology to efficiency and effectiveness of nursing.

Course Title: Critical Care Nursing

Credits	Total = 07 Theory = 02 Skill/Clinical = 05
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On completion of this course the learners will be able to:

1. Analyze critically the assessment data of the patient incorporating physical, psychological, social, emotional, and spiritual aspects of care.
2. Integrate the diagnostic data and lab findings with the concepts of anatomy, physiology, pathophysiology, pharmacology, health assessment, and nutrition.
3. Incorporate relevant literature in designing appropriate nursing care for the patients.

4. Apply a variety of concepts and theories to the care of individuals and families, using the nursing process and Gordon's Functional Health Patterns as the framework.
5. Demonstrate an awareness of legal and ethical standards in caring for patients with various disorders in a variety of clinical settings.
6. Relate normal and altered physiological concepts to patient care in critical care and emergency settings.
7. Discuss the concepts and principles of Disaster Management.

Course Title: Culture, Health, and Society

Credits	Total = 02 Theory = 02 Skill/Clinical = 00
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On completion of this course students will be able to:

1. Explore the relationship between culture, society, and health.
2. Analyse health-related knowledge, beliefs, attitudes, and practices of various socio-cultural groups.
3. Appreciate the role of society and culture in recognising health system utilisation.
4. Apply trans-cultural nursing concepts when providing nursing care to clients.
5. Discuss relevant social issues and suggest methods to facilitate change where necessary.

Course Title: Introduction to Nursing Research

Credits	Total = 03 Theory = 03 Skill/Clinical = 00
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On completion of this course students will be able to:

1. Identify and describe the components of the systematic research process as it applies to knowledge development in nursing.
2. Differentiate between qualitative and quantitative research approaches.
3. Articulate ethical considerations and adhere to regulatory standards for the protection of human subjects in research.
4. Critically appraise research studies for their methodological rigor and assess their applicability to nursing practice.
5. Evaluate the relevance and apply research literature within specific nursing contexts.
6. Implement evidence-based practice principles into nursing care strategies.

Course Title: Clinical Practicum

Credits	Total = 04 Theory = 00 Skill/Clinical = 04
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On completion of this course students will be able to:

1. Prepare for role transition to bedside nurse.
2. Utilize learned concepts in a clinical setting.
3. Enhance the clinical practice which provides the opportunity to students to become skillful through implementing theoretical knowledge into practical situations.
4. Develop professional growth and advancement through acquired knowledge and experience.
5. Augment continuous personal growth and development.

Course Title: Trends and Issues in Healthcare**Credits**

Total = 02 | Theory = 02 | Skill/Clinical = 00

On completion of this course students will be able to:

1. Enlist factors affecting the healthcare of a country.
2. Explain current and contemporary issues in health care from a global perspective.
3. Identify the role and anomalies of health care professionals in Pakistan.
4. Identify the role of health care financing on public health.
5. Analyze the challenges, issues, and responsibilities facing nurses as leaders in the development of the profession at national and international levels.
6. Recognize the legal framework guiding and influencing health care practice.
7. Analyze the trends and issues influencing nursing workforce in Pakistan and throughout the world.
8. Demonstrate knowledge of current regulatory and ethical issues impacting the advancement of nursing practice, education, and research globally.

Course Title: Geriatric Nursing**Credits**

Total = 03 | Theory = 1.5 | Skill/Clinical = 1.5

On completion of this course students will be able to:

1. Comprehend the physiological, psychological, and social aspects of aging, and how these factors influence the health and well-being of older adults.
2. Develop skills in conducting thorough assessments, including physical, cognitive, and psychological dimensions, to identify the unique needs of elderly patients.
3. Utilize current research and evidence-based practices in geriatric nursing to inform decision-making and care plans.
4. Demonstrate competence in managing and coordinating care for older adults with chronic health conditions such as diabetes, arthritis, dementia, and cardiovascular diseases.
5. Develop strategies to promote healthy aging and prevent complications, focusing on lifestyle factors, preventive care, and health education.
6. Enhance communication skills to effectively interact with elderly patients, their families, and interdisciplinary healthcare teams, considering factors like sensory impairments and cognitive changes.
7. Understand the complexities of medication management in the elderly population, including dosage adjustments, polypharmacy considerations, and monitoring for adverse effects.
8. Recognize and address cultural considerations in providing care to a diverse older adult population, respecting individual values, beliefs, and preferences.
9. Navigate ethical dilemmas commonly encountered in geriatric nursing, including issues related to autonomy, informed consent, and end-of-life care.
10. Develop proficiency in nursing interventions specific to geriatric care, such as mobility support, falls prevention, and skin integrity management.
11. Collaborate with healthcare professionals from various disciplines, including physicians, social workers, and physical therapists, to ensure comprehensive and coordinated care for older adults.

12. Acquire knowledge and skills in providing compassionate care for elderly individuals nearing the end of life, including pain management and support for patients and their families.