

HNR - NURSING (HNR)

HNR 1013 Anatomy and Physiology-I for Nursing (3-1-3)

Anatomy and Physiology-I is the first of a two-course sequence for Nursing students. The course provides a comprehensive understanding of the structure and function of the human body. The course discussed the structure and function of cells, tissues and organs of the following body systems: integumentary, musculoskeletal, nervous and special senses. The course includes practical components to allow the students to explore anatomical and physiological concepts through a range of hands-on activities.

HNR 1023 Applied Biochemistry For Nursing (3-1-3)

The course provides a thorough background of structural, functional and clinical biochemistry and covers the principles required for understanding physiological, metabolic, and pathologic health conditions. It explores the structures, functions, and metabolism of essential biological macromolecules such as carbohydrate, lipids, and protein. It illustrates the main structure and role of enzymes in hemostasis and presents the structure and function of micronutrients. The course emphasizes the clinical relevance by correlating the essential aspects of clinical chemistry to a disease process.

Corequisites: HNR 1013

HNR 1112 Principles of Microbiology (2-1-2)

The course aims to provide students with the theoretical and practical techniques in the classification, isolation and identification of micro-organisms. Students study concepts of infection, transmission of disease, pathogenicity, body defense mechanisms, prevention and control of infection.

Prerequisites: HNR 1013

HNR 1122 Human Behavior and Development for Nursing (2-1-2)

The course provides the students an overview of human behavior and development across the lifespan. This course describes the human development process; identifies concepts of physical, cognitive, social, and personality development. It provides a framework for examining normal growth and aberrations. The student will learn strategies to improve an individual's health and quality of life across the lifespan.

HNR 1123 Anatomy and Physiology-II for Nursing (3-1-3)

Anatomy and Physiology-2 is the second of a two-course sequence for Nursing students. The course provides a comprehensive understanding of the structure and function of the human body. The course discusses the structure and function of cells, tissues and organs of the following body structures and systems: cardiovascular, respiratory, digestive, immune, genitourinary and endocrine systems. The course includes practical components to allow the students to explore anatomical and physiological concepts through a range of simulation and hands-on activities.

Prerequisites: HNR 1013

HNR 1132 Health Education and Therapeutic Communication (2-1-2)

This course prepares students to effectively communicate with patients, families, and the interprofessional team in various healthcare settings. Models & theories of communication are explored. Skills in building interpersonal relationships, establishing therapeutic relationships with patients, collaborating with other members of the health care team, and those needed to manage challenging communications are discussed. Further, the course introduces students to the role of the nurse as an educator. Theories of learning, techniques of health education and teaching skills are discussed.

HNR 2001 Nursing Fundamentals Lab (0-2-1)

This course is intended to teach students the fundamentals of nursing practice including the psychomotor skill development needed to implement safe and effective patient care. In a practical laboratory learning environment, demonstration, direction, mentoring, and support are utilized to help students master basic nursing skills necessary for maintaining microbial, physical, and psychological safety. Students will demonstrate competency in performing basic nursing skills for individuals with common health alterations.

HNR 2002 Health and Physical Assessment (2-1-2)

This course provides theoretical knowledge of the physical examination skills of inspection, palpation, percussion and auscultation, which are required for the students to conduct head-to-toe physical examination. Using a system approach will help students to develop an understanding of the core concepts that underpin a health assessment. The students will learn to use these assessment findings to develop, implement and evaluate plans of care for individuals and families from a range of cultural backgrounds.

Prerequisites: HNR 1013, HNR 1123

Corequisites: HNR 2011

HNR 2011 Health and Physical Assessment Lab (0-2-1)

This course provides essential skills of the physical examination skills of inspection, palpation, percussion, and auscultation, which are required for the students to conduct a complete physical health assessment across lifespan. Data obtained in the physical health examination is essential for the nurse to establish nursing diagnoses, plan the client's care, and evaluate the outcomes of nursing care. Knowledge of the normal structure and function of body parts and systems is an essential requisite to conducting physical assessment.

Prerequisites: HNR 1013, HNR 1123

Corequisites: HNR 2002

HNR 2023 Nursing Fundamentals (3-1-3)

This course introduces basic concepts and theories of nursing and patient care, in addition to professional nursing standards and scope of practice of the registered nurse. The course explores the knowledge and skills needed to provide safe quality care, including clinical decision making, critical thinking, and ethical-legal principles as related to the nursing profession. Utilization of the nursing process as a decision-making framework to provide individualized quality safe care is stressed.

Prerequisites: HNR 1013, HNR 1123

Corequisites: HNR 2001

HNR 2043 Applied Pathophysiology (3-1-3)

This course introduces pathophysiological processes of body systems affecting human beings across the lifespan. Common health problems resulting from environmental, genetic, and stress-related maladaptation are assessed and analyzed.

Prerequisites: HNR 1013, HNR 1123

Corequisites: HNR 2053

HNR 2053 Applied Pharmacology (3-1-3)

This course introduces students to the basic principles of pharmacology within the context of the nursing process. The course explores indications, modes of action, effects, contraindications and interactions for selected drugs.

Prerequisites: HNR 1013, HNR 1123

Corequisites: HNR 2033

HNR 2103 Adult Medical-Surgical I (3-1-3)

Introduces students to common health conditions of adults. It explores the clinical manifestations, treatment modalities and care management of common health conditions according to body systems. Students apply the nursing process and explore evidence-based guidelines and health informatics relevant to the health conditions of patients.

Prerequisites: HNR 2023, HNR 2002, HNR 2043, HNR 2053

Corequisites: HNR 2133

HNR 2111 Adult Medical-Surgical I Lab (0-2-1)

This laboratory course is designed to provide the students the opportunity with guided experiences in the nursing laboratories that will assist them to master basic and intermediate nursing skills. The course allows students to apply theories and concepts within the framework of the learners' content and integrates learning experiences in the laboratory and simulation settings. It will also enable students to perform the required skills and to keep track of students performance according to the required course skills checklists.

Prerequisites: HNR 2001

Corequisites: HNR 2133

HNR 2123 Nursing Research and Biostatistics (3-1-3)

This course is designed to introduce the undergraduate nursing students to the basic concepts of the research process and the methods and analytical tools required to evaluate research reports. The course provides students with an overview of quantitative and qualitative approaches and the role of theory and ethical issues involved in the conduction of research. In addition, emphasis will be on biostatistics concepts, including descriptive and inferential statistics within nursing related research and utilizing of research findings in developing nursing education and practice.

HNR 2133 Adult Medical-Surgical I Clinical (0-12-3)

An introductory clinical experience course that offers students the opportunity to have supervised hands-on experience in the care management of patients, and the translation of theoretical knowledge into practice. Emphasis is placed on the application of health assessment and the utilization of the nursing process for adults with common health conditions.

Prerequisites: HNR 2023, HNR 2002, HNR 2043, HNR 2053

Corequisites: HNR 2103

HNR 2602 Applied Nutrition (2-1-2)

This course allows the students to identify the basic nutrient elements and their importance for the individual across the life span. This course assists students to understand the association between nutrition and wellness. The course focus on implementing nutrition principles in health promotion and disease prevention. The student will learn to integrate nutrition principles into the nursing care plans for various health disorders.

Prerequisites: HNR 1023

HNR 2622 Fundamentals of Epidemiology (2-1-2)

This course introduces the nursing students to the fundamental concepts of epidemiology, including definition and history of epidemiology, the epidemiology triangle, modes of disease transmission, chain of infection, Levels of prevention, disease concepts in epidemiology, health indicators, descriptive and statistical methods in epidemiology and clinical epidemiology. In addition, this course covers the issue related to disease prevention, control and protection.

HNR 3012 Legal and Ethical Considerations in Nursing (2-1-2)

This course identifies professional, ethical, and legal principles relevant to the practice of a registered nurse. It provides an opportunity to assess ethical and legal issues confronting nurses and other health care providers in a variety of health care settings. The course will address legal concepts and regulations under which professional nurses' practice in UAE.

HNR 3024 Adult Medical-Surgical II Clinical (0-16-4)

The course builds on the students previous clinical experience and translates the theoretical knowledge and evidence into practice. Students will utilize independent clinical judgment in planning and managing the care of adult and older adult patients. It emphasizes the application of health assessment and the utilization of the nursing process in the management of patient care while emphasizing on collaborative learning within the interdisciplinary team. The course aims to enhance students level of confidence with emphasis on quality, safety, health informatics and patient centered care.

Prerequisites: HNR 2133

Corequisites: HNR 3053

HNR 3041 Adult and Maternal Lab (0-2-1)

This course will develop students skills with emphasis on adult and maternal nursing. Students will replicate their learning in knowledge, skills and attitude within the nursing skills lab and simulation center to develop and strengthen their competencies to support their performance in the clinical placements. Students will perform the skills and keeps track of their performance in the skills checklists. The course helps prepare students to implement holistic nursing care, essential decision-making and problem-solving skills through simulation learning.

Prerequisites: HNR 2111

Corequisites: HNR 3024, HNR 3062

HNR 3053 Adult Medical-Surgical II (3-1-3)

Builds upon Adult Health Nursing I (Theory), where students examine health conditions of body systems that affect adult and older adult populations. Clinical manifestations and causes of selected health conditions are explored, as well as the treatment modalities and care management of these conditions.

Prerequisites: HNR 2103

Corequisites: HNR 3024

HNR 3062 Maternal Health Nursing Clinical (0-8-2)

This course aims at providing nursing students with essential clinical training that would enable them to provide holistic health and nursing care for childbearing family at different stages; antepartum, intrapartum and postpartum. Health promotion and prevention of disease is emphasized. Students will engage in the management of clients undergoing diagnostic/therapeutic procedures, care of the mother and fetus, and care of the newborn.

Prerequisites: HNR 3024

Corequisites: HNR 3063

HNR 3063 Maternal Health Nursing (3-1-3)

This course is intended to teach the students the following: The basic concepts and principles of nursing care for women before, during and after delivery, the newborn and their families. Students will utilize the nursing process in the provision and promotion of holistic care. Concepts to be explored include normal and abnormal issues during pregnancy, delivery, the postnatal period, and the newborn.

Prerequisites: HNR 2103

Corequisites: HNR 3062

HNR 3113 Psychiatric Mental Health Nursing (3-1-3)

This course introduces students to the concepts of mental health and mental illnesses. It also allows students to relate theoretical frameworks regarding the etiology of mental disorders acquired, utilize effective communication skills and therapeutic techniques when communicating with patients with mental health disorders. In addition, this course will provide students with knowledge, skills and legal and ethical concepts when dealing with different mental health disorders.

Prerequisites: HNR 3053

Corequisites: HNR 3122

HNR 3122 Psychiatric Mental Health Nursing-Clinical (0-8-2)

Students will apply mental health nursing knowledge, including decision making and critical thinking skills, and beginner practitioner skills pertaining to the care and management of individuals with a variety of mental health problems. This course provides the opportunity for students to work with individuals in a mental health care settings.

Prerequisites: HNR 3024

Corequisites: HNR 3113

HNR 3131 Pediatric Health Nursing Lab (0-2-1)

This course teaches students the essential clinical skills to provide safe and quality care for children and adolescents. The course uses hands-on skills training and simulation scenarios for common pediatric health problems. It helps students improve their proficiency in various nursing procedures and increase their confidence in rapid assessment and emergency interventions.

Corequisites: HNR 3203

HNR 3132 Healthcare Informatics (2-1-2)

This course focuses on the use and management of nursing information to enhance, facilitate and guide nursing knowledge and practice. Introduces students to important informatics tools that are currently utilized in healthcare to ensure safe and quality care. The course explores the role of information technology tools in shaping nursing knowledge, practice, and research. Provides introductory health informatics knowledge that nurses use on a daily basis, highlights the current issues related to the protection of patient privacy, confidentiality, and security of protected health information.

Prerequisites: HNR 2123

HNR 3143 Pediatric Health Nursing (3-1-3)

This course is intended to teach the students the following: Scientific knowledge, which enables them to develop their own unique clinical and educational approach to the care of children, adolescents, and their families. The course progresses from simple to complex concepts, as it moves from normal growth and development to health promotion and maintenance to prevention of illnesses and selected health issues.

Prerequisites: HNR 3063

Corequisites: HNR 3203

HNR 3203 Pediatric Health Nursing Clinical (0-12-3)

This course teaches students essential clinical skills and competencies that enables them to provide holistic health and nursing care for children, adolescents and their families. The aim of the course is to enable students to think critically in providing nursing care to children and adolescents with different health problems through the application of the nursing process. Students will promote health prevention strategies for children.

Prerequisites: HNR 3062

Corequisites: HNR 3143

HNR 3612 Disaster Management and Emergency Preparedness (2-1-2)

This course is designed to help the students how to respond to a disaster or public health emergency in a timely and appropriate manner. Disasters lay heavy burdens upon healthcare systems that stretch all levels of society. While natural and man-made disasters are not new, the global nature, rate, type, and totality of their impact has only increased. Nurses consistently comprise seventy or more percent of responders to local, national, regional, and global crises, and represent a potentially untapped resource to achieve surge capacity goals and optimize population health outcomes.

HNR 3632 e-Health and Digital Nursing (2-1-2)

This course gives the students the opportunity to acquire knowledge and skills to examine core concepts, theories and policies concerning eHealth. It offers an insight to current trends and future developments of digital nursing, whilst highlighting the benefits as well as the risks to users, healthcare providers and society as a whole. This course will challenge the students to understand the core concepts and theories that underpin the academic study of healthcare informatics with insight to current practice in UAE and elsewhere.

HNR 3642 Health Promotion (2-1-2)

This course describes health promotion for all ages and population groups. The course provides comprehensive coverage of leading health promotion concepts from assessment to interventions to application. Coverage of the latest research and trends in health promotion and disease prevention for diverse population groups will be provided.

HNR 4034 Critical Care Nursing Clinical (0-16-4)

This course develops the students' clinical reasoning and judgment skills pertinent to perform complex nursing care. The course enriches the educational experience of nursing students by advancing their skills in assessing, communicating with, and managing patients with complex health needs in both, critical care settings and non-critical care settings.

Prerequisites: HNR 3024

Corequisites: HNR 4043

HNR 4041 Critical Care Nursing Lab (0-2-1)

This course provides the nursing students with the opportunity to develop and strengthening their skills competencies for the critical nursing care. It helps the students to apply theoretical concepts learned to the actual care situation for multi-system life threatening conditions. Different learning methods including active participation, observation, demonstration, return demonstration, reflection, debriefing and simulation are utilized. The students will implement the evidence-based nursing competencies and interventions through utilizing of simulation and other learning technologies.

Prerequisites: HNR 3041

Corequisites: HNR 4034

HNR 4042 Community and Public Health Nursing Clinical (0-8-2)

This course will enable students to develop an understanding of community and public health care nursing. They will develop skills in assessment of an individual and develop rapport with family and community at large. Students will assess physical, sociocultural, environmental factors that influence, individual, families and communities, identify populations at risk and implement and evaluate primary care nursing interventions.

Prerequisites: HNR 3122

Corequisites: HNR 4063

HNR 4043 Critical Care Nursing (3-1-3)

This course develops nursing knowledge and critical thinking skills whilst utilizing the nursing process through exploration of common, critical and complex health challenges. Technical, scientific, interpersonal and clinical decision-making skills are also further developed. Students apply concepts and skills related to the care and management of individuals with acute and life threatening conditions.

Prerequisites: HNR 3053

Corequisites: HNR 4034

HNR 4053 Nursing Research in Practice (3-1-3)

This course is designed to build on the concepts and knowledge gained in the previous basic research methods course to enable students to apply the critical thinking skills, decision-making process, and scientific inquiry to solve clinical problems within the clinical nursing practice. This course presents an introduction to evidence-based practice and the essential steps of nursing research. At the end of this course, students will apply nursing research and biostatistics skills to develop a complete research proposal that will be implemented in the following semester (semester 8).

Prerequisites: HNR 2123

HNR 4063 Community and Public Health Nursing (3-1-3)

This course will enable students to understand community and public health by exploring theoretical frameworks and health care policies and practices that underpin community and public health nursing. The course will introduce epidemiology; identify determinants of health and discuss health promotion theories and illness prevention strategies for individuals, families and groups; and, discuss vulnerable populations.

Prerequisites: HNR 3113

Corequisites: HNR 4042

HNR 4123 Capstone Research Project for Nursing (1-3-3)

This course provides an opportunity to conduct a research project utilizing the research proposal developed in the preceding nursing course (HNR 4053) through IRB approval, data collection, data analysis, data interpretation, and presentation of the findings and conclusions in a final capstone report and oral or poster presentation.

Prerequisites: HNR 4053, LSC 2193

HNR 4133 Nursing Leadership and Management (3-1-3)

This course introduces students to management functions and leadership roles in nursing practice at the unit level. The course addresses selected theories of nursing management and leadership, organisational structure, core management and leadership skills, and organisational aspects of risk, safety and quality, including disaster management.

Corequisites: HNR 4136

HNR 4136 Intensive Clinical Training (0-24-6)

This course is the final clinical experience for nursing students before graduating and being able to function as registered general nurses. This clinical experience will enable students to consolidate the knowledge and skills gained throughout the program in both the clinical and theory courses to effectively prepare them for their future role as registered professional nurses. To establish the student's suitability for employment and future licensure as a Registered Nurse they will be required to pass clinically focused exit exam during this placement.

Prerequisites: HNR 2133, HNR 3024, HNR 3062, HNR 3122, HNR 3203, HNR 4034, HNR 4042

Corequisites: HNR 4133

HNR 4602 Gerontology Nursing-Clinical (0-8-2)

This elective clinical course introduces the nursing students to the nurses' role, duties, and responsibilities in providing optimal care for the aging adults. Furthermore, essential concepts including cultural sensitivity, moral and ethical consideration, physiological changes, psychosocial well-beings, mental well-being will be addressed and integrated in this clinical course. Evidence-based nursing management for elderly will be implemented and discussed.

Prerequisites: HNR 3024

Corequisites: HNR 4136

HNR 4612 Neonatal Critical Nursing Care-Clinical (0-8-2)

This elective course is focused on students' advanced clinical skills and competencies that enable them to provide holistic health and nursing care for neonates with complex health needs. The course enriches the educational experience of nursing students by advancing their skills in assessing, communicating with, and managing neonates in critical care settings.

Corequisites: HNR 4136

HNR 4622 Perioperative & Cardiothoracic Nursing-Clinical (0-8-2)

This elective clinical course aims to help students who may consider working in general operation and cardiothoracic operation theaters gain specialized knowledge, skills, and attitude relevant to specialized general and cardiothoracic surgical procedures. Topics including perioperative nursing care, aseptic techniques, operating room safety, scrubbing & assisting the surgeons, operating rooms skill, instruments care and handling, post-procedure, and patient management will be addressed.

Corequisites: HNR 4136

HNR 4632 Infectious Disease Nursing-Clinical (0-8-2)

This elective clinical course teaches students essential clinical skills and competencies that enables them to apply and provide appropriate infection control management to clients and their families. The aim of the course is to enable students to act critically in providing measurable nursing care as preventive actions to care for and control infectious diseases in various health settings and population.

Corequisites: HNR 4136