

Brief Course Descriptions

Course	Course Title	Course Description
General Education Requirements Compulsory = (6) Cr. H		
0401120	English I	This course provides the basic skills needed to function within an English medium university context. It brushes up and enhances students' fundamental knowledge of the English language in the areas of grammar, reading, writing, and speaking skills to the level that they become competent enough to launch out in a more in-depth study of English as a second language in Effective Communication in English2.
0409103	UAE Studies	This course aims to provide a comprehensive view of the United Arab Emirates in terms of the emergence of the country, the stages of establishment and the structure of society, and the accompanying changes and developments in the political, economic and social structure of the UAE. The course also presents the UAE's future vision and its most prominent achievements. The course examines some of the challenges and problems that the UAE society may face and how to address and prevent them.
Core Nursing Theory Courses = (85) Cr.H		
0901100	Nursing theory and models	This introductory nursing course explores the essentials of health and healthcare delivery within the United Arab Emirates, providing a solid foundation for students entering Health Sciences programs. The course introduces the national healthcare system and examines nursing as a profession, including contemporary concepts that shape practice in the 21st century. It aims to enrich students' knowledge of vital nursing principles such as professionalism, caring, wellness, and health promotion. Emphasis is placed on effective communication, holistic and patient-centered care, ethical and legal dimensions of healthcare, advocacy, critical thinking, and clinical decision making. The course also analyzes the roles and responsibilities of various health professionals and identifies current and emerging health challenges, while supporting teaching and learning strategies that foster the development of competent, compassionate future nurses
0901300	Communication and Patient Education	This course equips nursing students with the essential skills to educate patients, families, and communities effectively while fostering therapeutic communication. It emphasizes evidence-based teaching strategies, cultural sensitivity, and the integration of communication skills to enhance patient understanding, engagement, and adherence. Students will develop critical-thinking skills and apply principles of health literacy to promote health and manage illness in diverse populations.
0901400	Ethics and Law in Nursing Practice	This course examines the professional, ethical, and legal principles that underpin registered nursing practice. It provides students with opportunities to analyze ethical and legal issues encountered by nurses and other healthcare professionals across diverse healthcare settings. Emphasis is placed on the legal concepts, professional standards, and regulatory frameworks governing nursing practice within the United Arab Emirates.

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0200100	Biology	The course of Principles of Biology is designed to give knowledge of the basic processes of life; function of components of eukaryotic cells, structure of biomolecules, structure and function of proteins, membranes and the role of enzymes. The course helps the students to understand cell signaling, DNA replication, and protein synthesis and biotechnology techniques. The students would be given an overview on bioinformatics and also learn to use basic tools in genome sequence analysis. The course also deals with some aspects of functioning of human systems and ecology.
0201100	Chemistry	The course presents fundamentals of certain topics in chemistry which includes basic knowledge of the atom, the electronic structure and configuration of various atoms. It also describes the importance of the periodic table and chemical bonding. The course details the importance of acids and bases, solutions and solubility. The course also includes topics on gases, and thermodynamics.
0901401	Epidemiology and Biostatistics for Nursing	This course is designed to develop students' essential knowledge and competencies in quantitative nursing research through the integrated study of epidemiology and biostatistics. It enables students to apply epidemiological approaches to the study of disease and illness and to critically interpret and evaluate the quality of evidence across various research designs. Students will also learn to apply appropriate statistical techniques for the analysis and interpretation of health data. The course covers fundamental concepts in epidemiology, including prevalence, incidence, relative risk, odds ratio, and research design, as well as core biostatistical concepts such as descriptive statistics, hypothesis testing, confidence intervals, analysis of categorical and continuous data, and regression analysis.
0904101	Human Anatomy	This course provides an in-depth study of the structure of the human body, including the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, reproductive, and endocrine systems. Emphasis is placed on anatomical terminology, body organization, and the relationships between different organ systems to support clinical understanding and practice.
0904102	Human Physiology	This course covers cell physiology, molecular aspects of cell biology, and the function of major body systems: integumentary, muscular skeletal, cardiovascular, lymphatic, respiratory, digestive, nervous, endocrine, urinary, and reproductive systems, body fluid and electrolytes, along with homeostatic mechanism maintaining normal function of the body, with demonstrations of relevant measurements. This course is an integral part of biomedical courses. It forms with pathophysiology a synergistic base for understanding the functions and abnormalities of various body organs. The course help in studying pharmacology and therapeutics, and other clinical courses.
0904103	Clinical Biochemistry	This course provides the nursing students with a thorough background of structural, functional and clinical biochemistry and covers the basic concepts required for understanding physiological, metabolic, and pathologic health conditions. It aims to explore the principles, structures, functions, and metabolism of essential biological macromolecules such as carbohydrates, lipids, and protein. It illustrates the main structure and role of enzymes in hemostasis and presents the structure and function of micronutrients. The course also emphasizes the essential of clinical biochemistry

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0904104	Microbiology	Microbiology is the study of organisms and agents too small to be seen clearly by the naked eye, while Immunology is the study of our protection from foreign macromolecules or invading organisms and our responses to these invaders. The first part of the course will cover principles of microbiology with emphasis on microorganisms and human disease including most medically important bacteria, viruses, fungi and parasites. They will be presented with a general overview of their diseases related to human health. The second part of the course will cover topics in basic immunology including the innate (nonspecific) and acquired (specific) immunity to bacteria, viruses and parasites. This part will highlight the major components and control of the immune system (Antigens, Antibodies, Lymphocyte cells, Cytokines, Complement etc ...). An important focus will be held on antibody formation, structure and function, genetics and antigen-antibody reactions.
0904201	Pathophysiology	This course covers general pathophysiology concepts that include cell injury, necrosis, and inflammation, wound healing and neoplasia. These concepts are applied in a systems-oriented approach to disease processes affecting musculoskeletal, cardiopulmonary, renal, nervous, gastrointestinal, immune, hematological and endocrine systems. This course is designed to promote the understanding and application of fundamental disease processes in clinical settings. The aim of the course is to teach students the pathogenesis of various diseases affecting the human body. Altered physiological functions of human organs are explained and, then described on molecular, cellular, organ & systemic level. At the end of the course students should be able to understand the relation between the symptoms & the disease, which might be helpful in differential diagnosis and provide a rational for subsequent drug therapy useful later for the pharmacotherapy courses. Understanding the mechanisms of disease is essential to the role of the pharmacists in determining the appropriate care of the patient and providing a rational for subsequent drug therapy.
0904202	Pharmacology For Nursing	This course provides nursing students with a comprehensive foundation in pharmacology and therapeutics, focusing on the principles of pharmacokinetics, pharmacodynamics, and pharmacogenomics as they relate to patient care. It covers the drug classifications, mechanisms of action, therapeutic uses, side effects, and nursing implications for safe administration and monitoring. Emphasis is placed on critical-thinking skills for safe drug administration and patient education.
0905201	Fundamentals of Nursing Practice	This integrated course introduces the foundational concepts, theories, principles, and psychomotor skills essential for professional nursing practice. Students develop knowledge of nursing roles, legal and ethical responsibilities, critical thinking, clinical reasoning, and the nursing process. Through laboratory and simulation experiences, students acquire and demonstrate fundamental nursing skills required to provide safe, evidence-based, holistic, and patient-centered care. Emphasis is placed on infection control, patient safety, communication, documentation, health promotion, and the application of nursing knowledge in clinical practice.

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0905202	Adult Health and Medical Surgical Nursing 1	This integrated course introduces students to common adult health conditions and medical-surgical nursing care across major body systems. Students develop knowledge of perioperative nursing, respiratory, cardiovascular, gastrointestinal, hepatic, biliary, and musculoskeletal disorders. Through laboratory and simulation experiences, students apply theoretical knowledge to perform clinical procedures, interpret patient data, develop nursing care plans, and provide safe, evidence-based, patient-centered care. Emphasis is placed on clinical reasoning, nursing process application, therapeutic communication, medication administration, and multidisciplinary collaboration.
0905301	Adult Health and Medical Surgical Nursing II	This integrated course is built on Adult Health and Medical-Surgical Nursing I and focuses on the care of adult and older adult patients experiencing endocrine, urinary, hematologic, immune, nervous, integumentary, and special senses disorders. Students examine pathophysiology, clinical manifestations, diagnostic evaluation, treatment modalities, and evidence-based nursing management. Through simulation and laboratory experiences, students develop advanced nursing skills including insulin administration, urinary catheterization, neurological assessment, intravenous therapy, blood transfusion, venipuncture, and documentation using electronic health records. Emphasis is placed on clinical reasoning, patient safety, interprofessional collaboration, therapeutic communication, and quality nursing care.
0905203	Maternity and Newborn Health Nursing	This integrated course prepares nursing students to provide evidence-based, patient-centered care for women during pregnancy, labor, delivery, postpartum, and newborn periods. Students develop knowledge of maternal and newborn physiology, health promotion, risk assessment, complications of pregnancy and childbirth, neonatal adaptation, and family-centered care. Through simulation-based learning and practical experiences, students develop essential clinical skills including antenatal assessment, fetal monitoring, labor support, postpartum assessment, newborn care, breastfeeding support, neonatal assessment, and management of common maternal and neonatal complications. Emphasis is placed on critical thinking, clinical decision-making, communication, professionalism, patient safety, cultural competence, and ethical nursing practice.
0905302	Pediatric Nursing Care	This integrated course provides nursing students with comprehensive theoretical knowledge and practical simulation experiences in pediatric nursing care. Students develop an understanding of normal growth and development, health promotion, disease prevention, family-centered care, and management of common pediatric health problems across infancy, childhood, and adolescence. Through simulation-based learning, students apply the nursing process, critical thinking, clinical judgment, communication, and technical skills required for pediatric assessment and intervention. The course emphasizes safe, evidence-based, culturally sensitive care that supports the physical, emotional, developmental, and psychosocial needs of children and their families.
0905303	Gerontological Nursing	This course introduces students to the roles and responsibilities of nurses in promoting optimal health and well-being among older adults. It examines key theories and concepts of aging, sociocultural influences, and the normal and pathological physiological, psychological, and cognitive changes associated with the aging process. The course emphasizes evidence-based

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		nursing interventions and clinical considerations essential for the care of older adults, while also addressing ethical, legal, and emerging issues in Gerontological nursing practice.
0905304	Public Health and Community Nursing - Theory	This course enables students to develop a comprehensive understanding of community health nursing through the exploration of relevant theoretical frameworks, healthcare policies, and professional practices that underpin community-based care. Emphasis is placed on the role of the nurse in promoting and protecting the health of populations within diverse community settings. The course introduces fundamental concepts of epidemiology to support the analysis of health patterns, disease distribution, and risk factors within communities. Students examine the social, environmental, cultural, and economic determinants of health and their impact on individuals, families, and population groups. In addition, the course explores health promotion theories and illness prevention strategies aimed at improving health outcomes and reducing health disparities. Special attention is given to vulnerable and at-risk populations, enabling students to understand their unique health needs and the nurse's role in advocacy, prevention, and community engagement.
0905401	Mental and Psychiatric Nursing Care theory	The purpose of this course is to provide the Psychiatric-Mental Health Nurse Practitioner/ Clinical Nurse. Specialist student an in-depth study of psychiatric/mental health care management of adults and their families within the framework of advanced nursing. The focus is on selected acute and chronic complex psychiatric/mental health care problems. Emphasis is on the interaction among health care providers in a culturally diverse environment. The purpose of the clinical part of the course is to provide an opportunity for the Psychiatric-Mental Health Nurse Practitioner/Clinical Nurse Specialist student to practice within an advanced nursing framework. The focus is on the role of the advanced practice nurse in the health care management of adults with psychiatric/mental health concerns. Emphasis is on collaboration with other health care providers in a culturally diverse environment
0905406	Nursing Informatics and Technology in Health	This course focuses on the effective use and management of nursing information to enhance, support, and guide professional nursing knowledge and practice. It introduces students to essential health informatics concepts and contemporary informatics tools widely utilized in healthcare settings to promote safe, high-quality, and patient-centered nursing care. The course explores the role of information and communication technologies in supporting clinical decision-making, documentation, communication, quality improvement, and nursing research. Students gain foundational knowledge of electronic health records, clinical information systems, decision support tools, and data management processes used in daily nursing practice. Emphasis is placed on ethical, legal, and professional considerations related to health informatics, including patient privacy, confidentiality, data security, and the protection of health information. Current issues, standards, and regulations governing health information management are examined to prepare students to

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		use informatics tools responsibly and effectively within healthcare environments.
0905402	Acute and Critical Care Nursing	This integrated course builds upon foundational nursing knowledge and prepares students to provide comprehensive care for individuals experiencing acute, complex, and life-threatening health conditions. The course combines theoretical concepts with simulation-based learning experiences to strengthen critical thinking, clinical reasoning, rapid decision-making, and advanced technical skills. Students develop competencies in assessment, planning, implementation, and evaluation of care while applying evidence-based practice, patient safety principles, interprofessional communication, and ethical decision-making. Through classroom learning and high-fidelity simulation scenarios, students gain the knowledge and practical skills necessary to manage critically ill patients and respond effectively in emergency and critical care environments.
0905405	Leadership and Quality Management in Nursing	This course introduces students to the principles and practices of nursing management and leadership at the unit level within healthcare organizations. It focuses on the roles and responsibilities of the professional nurse as a manager and leader in delivering safe, high-quality, and patient-centered care. The course examines selected theories and models of nursing leadership and management, emphasizing their application in clinical settings. Students explore organizational structures, healthcare systems, and the nurse's role in planning, organizing, staffing, directing, and controlling nursing services. Core management and leadership skills such as communication, delegation, decision-making, conflict resolution, team coordination, and performance evaluation are emphasized. The course also addresses organizational aspects of risk management, patient safety, quality improvement, and resource utilization, with particular attention to disaster preparedness and emergency management. Through the integration of theory and practice, the course prepares students to assume beginning leadership and management roles and to function effectively within multidisciplinary healthcare teams.
0905590	Capstone Research Project for Nursing	This course provides students with a structured opportunity to design and complete a comprehensive capstone research project relevant to their Health Sciences program. Building directly on the knowledge and skills acquired in Evidence-Based Practice and research methodology courses, students will integrate theory, research, and professional practice to address a significant health-related issue. Students will utilize a previously developed research proposal to conduct an in-depth and systematic review of the literature, critically appraising current evidence to inform their study. The course guides students in selecting and justifying appropriate research design and methodology, applying ethical principles, and collecting and analyzing quantitative and/or qualitative data as applicable. Emphasis is placed on the application of evidence-based practice principles to interpret findings, draw meaningful conclusions, and propose practice, education, or policy implications relevant to health sciences and nursing practice. The course culminates in the preparation of a scholarly capstone report and a formal oral or poster presentation, demonstrating students' ability to synthesize evidence, communicate research findings effectively, and contribute to the

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		advancement of professional practice.
0901325	Nursing Research	This course builds on the concepts and foundational knowledge acquired in the basic research methods course, enabling students to further develop critical thinking, clinical reasoning, and decision-making skills within professional nursing practice. Emphasis is placed on the application of scientific inquiry and research principles to identify, analyze, and address clinical problems relevant to nursing care. The course introduces evidence-based practice and the core processes of nursing research, including problem identification, literature review, research design, and ethical considerations. Students will learn to critically appraise research evidence and integrate best available evidence into clinical decision-making. By the end of the course, students will apply nursing research competencies to develop a comprehensive research proposal, which will be implemented in the subsequent semester, preparing them for scholarly inquiry and evidence-based nursing practice.
0901402	Nursing Oncology	This course provides nursing students with a foundational knowledge base in oncology nursing care. It further develops caring attributes and professional competencies required for the management of patients with acute and chronic oncological conditions through the use of case-based learning and integrated instructional strategies. Emphasis is placed on critical thinking skills to support the development of differential diagnoses, the application of invasive interventions and procedures, and the selection of appropriate therapeutic modalities. The role of the nurse as an integral member of the interdisciplinary healthcare team is highlighted, with the nursing process presented as a systematic framework for delivering safe, effective oncology nursing care
0904106	Physical Examination and Assessment	This integrated course provides students with the theoretical knowledge and practical skills required to perform comprehensive physical examinations and health assessments across the lifespan. Using a body-systems approach, students learn and apply assessment techniques including inspection, palpation, percussion, and auscultation. The course emphasizes health promotion, cultural competence, effective communication, history taking, vital signs assessment, and systematic head-to-toe examination. Students develop competency in collecting, interpreting, documenting, and reporting assessment findings
Nursing Elective Courses = (3 cr.H)		
0903101	Palliative and End-of-life care	This theory-based course introduces nursing students to the principles, concepts, and ethical foundations of palliative and end-of-life care. The course emphasizes holistic, patient- and family-centered approaches to caring for individuals with life-limiting illnesses. Students will explore symptom management, psychosocial and spiritual care, communication strategies, ethical and legal considerations, and cultural influences affecting end-of-life care. The course prepares students to apply evidence-based knowledge to promote comfort, dignity, and quality of life.

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0903102	Health Promotion and Education	This course introduces students to the theoretical foundations, principles, and methodologies of health education and health promotion. It emphasizes the development of effective teaching skills and evidence-based strategies for promoting health among individuals, families, and communities. The course is structured to support the integration, application, and evaluation of health promotion theories, research findings, and best practices, with a strong focus on preventive care and client education. Students will apply course concepts to the design, implementation, and evaluation of health education interventions addressing common health condition .
0904105	Applied Nutrition	This course enables students to identify essential nutrient elements and understand their importance for individuals across their lifespan. It emphasizes the relationship between nutrition and overall wellness, with a focus on applying nutritional principles to health promotion and disease prevention. Students will develop the ability to integrate evidence-based nutrition principles into nursing care plans for individuals with a variety of health conditions.
Core Nursing Clinical Courses =(26)Cr.H		
0906201	Adult Health and Medical Surgical Nursing 1 Clinical	This clinical course will immerse students in the practical aspects of adult medical and surgical patient care, focusing on comprehensive assessments, accurate documentation, and individualized interventions. Clinical practice will include safe medication administration, surgical wound care, infection control, and patient safety techniques. Students will interpret clinical data to manage fluid and electrolyte imbalances, pain, and post-surgical recovery effectively. Emphasis will be placed on adherence to ethical, legal, and safety standards, preparing students for evidence-based, patient-centered care across diverse clinical settings.
0906202	Maternity and Newborn Health Nursing Clinical	This course aims to provide nursing students with essential clinical training that enables them to deliver holistic, evidence-based nursing care to the childbearing family across all stages of maternity, including the antepartum, intrapartum, and postpartum periods. Emphasis is placed on health promotion and disease prevention. Students will actively participate in the management of clients undergoing diagnostic and therapeutic procedures, provide comprehensive care to the mother and fetus, and deliver safe, competent care to the newborn.
0906301	Adult Health and Medical Surgical Nursing II	This course builds on the clinical experience gained in Adult Health Nursing I Practice. Students progressively apply independent clinical judgment in planning, implementing, and managing the care of adult and older adult patients, integrating theoretical knowledge and evidence-based practice. Emphasis is placed on comprehensive health assessment, effective use of the nursing process, and collaborative learning within the interdisciplinary healthcare team. The course further enhances students' confidence while emphasizing quality and safety, health informatics, patient-centered care, and systems-based practice

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0906302	Pediatric Nursing Care Clinical	This course develops essential clinical skills and competencies needed to provide holistic nursing care to children, adolescents, and their families. Students apply critical thinking and the nursing process to plan and deliver age-appropriate care for pediatric and adolescent clients with diverse health conditions. The course also emphasizes health promotion and disease prevention strategies to support optimal health outcomes for children and their families.
0906303	Public Health and Community Nursing Clinical	This course enables students to develop a comprehensive understanding of community health nursing and the nurse's role in promoting population health. Students will develop skills in assessing individuals, establishing effective rapport with families, and engaging with the wider community. The course emphasizes assessment of physical, sociocultural, and environmental factors that influence the health of individuals, families, and communities. Students will also identify populations at risk and apply, implement, and evaluate primary healthcare nursing interventions to promote health and prevent illness.
0906401	Mental and Psychiatric Nursing Care Clinical	Students will apply foundational mental health nursing knowledge, including clinical decision-making, critical thinking, and beginning practitioner skills, in the care and management of individuals experiencing a wide range of mental health conditions. The course provides students with structured opportunities to engage with clients in mental health care settings, where they develop skills in assessment, therapeutic communication, care planning, and evaluation. Emphasis is placed on safe, ethical, and person-centered practice, as well as collaboration within the interprofessional mental health team to support recovery-oriented care.
0906402	Acute and Critical Care Nursing	This course is designed to develop advanced clinical reasoning and professional judgment skills required for the delivery of complex nursing care. It enhances the educational experience of nursing students by strengthening their ability to perform comprehensive assessments, apply critical thinking, and make sound clinical decisions in the management of patients with complex and multifaceted health needs. The course places emphasis on effective communication, clinical decision-making, and coordinated care across a variety of healthcare environments. Students will develop competence in managing patients with complex conditions in both critical care and non-critical care settings, integrating evidence-based practice, patient safety principles, and interdisciplinary collaboration. Through applied learning experiences, students are prepared to provide high-quality, patient-centered care in complex and dynamic clinical situations.
0905580	Intensive Nursing Clinical Internship	This course represents the culminating clinical experience of the Bachelor of Science in Nursing program and serves as the final preparation for students prior to graduation and entry into professional practice as Registered General Nurses. The course provides an intensive, supervised clinical placement designed to facilitate the integration and consolidation of theoretical knowledge, clinical skills, professional attitudes, and evidence-based practice competencies acquired throughout the nursing program. During this clinical experience, students are expected to function at an advanced

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		beginner level, progressively assuming increased responsibility for patient care while demonstrating safe, ethical, and effective nursing practice under appropriate supervision. Emphasis is placed on clinical reasoning, decision-making, communication, teamwork, time management, and professional accountability within real healthcare settings. The course also focuses on preparing students for transition to professional practice by reinforcing standards of care, regulatory requirements, and professional roles and responsibilities of registered nurses. To determine students' readiness for employment and eligibility for future licensure, students are required to successfully complete a clinically focused exit examination during this placement. Successful completion of both the clinical requirements and the exit examination is mandatory for course completion and progression toward graduation.