

Course Description

BSN101 Communication Skills and Medical Terminology for Nurses (2CH)

This course aims to introduce aspects of communication skills necessary during the provision of health care to patients. The course is designed to help nursing students to use effective communication techniques in a variety of contexts and with a variety of people using different forms of communication that lead to establishing principles of professional communication and communication with interdisciplinary teams. This course also helps the students to communicate with the language used in medicine and familiarize them with the medical terminology of diseases, diagnostic techniques, and treatments related to each body system and respective field.

Pre-requisite: NA

BSN102 Introduction to Healthcare (2CH)

This course is designed to provide BSN students with a comprehensive overview of the healthcare system and the fundamental concepts and principles that underpin the delivery of healthcare services. This course serves as a foundational introduction to the field of nursing and establishes a framework for subsequent courses in the nursing program.

Pre-requisite: NA

PHA132 Anatomy and Physiology I for nurses (3 CH)

This course provides an in-depth study of the human body's structure and function, focusing on major organ systems such as the integumentary, skeletal, muscular, and nervous systems. Students will learn anatomical terminology, explore the relationships between structure and function, and understand the body's homeostatic mechanisms.

Pre-requisite: NA

BSN103 Fundamentals of Nursing I (2 CH)

Fundamentals of Nursing 1 is a comprehensive foundational course that introduces students to the core concepts and skills needed for nursing practice. It covers essential nursing principles, including the nursing process, nursing skills such as health assessment, vital sign measurement, medication administration, and hygiene care. They also develop an understanding of the ethical and professional responsibilities of nurses, effective communication techniques, and the importance of cultural competence. This course provides students with the foundational knowledge and practical skills required to begin their nursing journey.

Pre-requisite: BSN101

PHA218 Biochemistry for Nurses (3 CH)

The course is designed to provide a comprehensive knowledge of the major topics in biochemistry for nursing is a foundational course that introduces students to the key principles of biochemistry as they relate to nursing practice. The course emphasizes the application of biochemistry knowledge to patient care, enabling students to interpret lab results, identify abnormalities, and make informed clinical decisions. Metabolism and energy production as well as biosynthesis of small and macromolecules is discussed.

Pre-requisite: NA

PHA262 Clinical Microbiology for Nurses (3 CH)

This course is designed to introduce the students to a foundational microbiology course that explores the basics of microbiology and its relevance to nursing practice. Students learn about microorganisms, their characteristics, and their impact on human health. Topics covered include infection control, transmission prevention, and treatment of infectious diseases. The course also covers laboratory techniques for detecting and diagnosing infections, as well as immunology and infection prevention practices.

Pre-requisite: NA

PHA234 Anatomy and Physiology II for Nurses (3 CH)

Anatomy and Physiology II for Nursing is the continuation of the comprehensive course that builds upon the knowledge gained in Anatomy and Physiology I. This course further explores the intricate systems and functions of the human body, focusing on additional organ systems and their interrelationships. This course explores additional organ systems including the cardiovascular, respiratory, digestive, urinary, endocrine, and reproductive systems. Students will study the anatomical structures, physiological processes, and regulatory mechanisms of these systems, enhancing their understanding of how they integrate to maintain homeostasis.

Pre-requisite: PHA132

BSN201 Health Assessment (3 CH)

This course introduces nursing students to concepts and principles of physical examination, history taking and health assessment gather data, interpret findings, and document accurate patient assessments. Emphasis will be placed on interviewing skills, health histories, and the physical and psychological findings in the well person. Students will develop communication, assessment and critical thinking skills by time. With the established database from history, physical, and psychological assessments, students will be able to formulate initial nursing plans.

Pre-requisite: BSN103

PHA339 Pathophysiology for Nurses (3 CH)

This course is designed to introduce the students a comprehensive understanding of the underlying mechanisms and changes that occur in the body during disease states, the concepts of causes and the basic mechanisms of diseases such as cell injury and cell death, inflammation, necrosis, and neoplasia. The students then learn to apply the concepts of pathophysiological process on various diseases in each organ system. Through this course, students gain a comprehensive understanding of the underlying mechanisms and changes that occur in the body during disease states.

Pre-requisite: PHA132

PHA238 Clinical Pharmacology for Nurses (3 CH)

The course intends to help nursing students to understand basic pharmacological aspects. It comprises building a basic knowledge of pharmacology such as pharmacokinetics, pharmacodynamics, toxicities, drug classifications, drug actions, and drugs adverse effects for major body systems.

Pre-requisite: PHA240

BSN202 Fundamentals of Nursing II (3 CH)

This course builds upon the foundational knowledge from Fundamentals of Nursing 1, advancing students' proficiency in essential nursing concepts and practices. The course focuses on comprehensive health assessments, medication administration, nursing interventions in nutrition, elimination, mobility, and wound care. Students refine critical thinking, clinical decision-making, and communication skills while exploring ethical considerations and legal implications in nursing practice. Through classroom instruction, and simulated scenarios, this course prepares students for clinical rotations, where they can apply their knowledge and skills in real patient care settings.

Pre-requisite: BSN201

BSN203 Health Technology and Informatics (2 CH)

This course will focus on utilization of various technologies, such as electronic health records, telemedicine, and medical devices, in enhancing healthcare delivery and improving patient outcomes. Students learn about health information management, data privacy, and the ethical considerations surrounding the use of technology in healthcare. Additionally, they develop an understanding of healthcare informatics and the analysis and utilization of health data for decision-making and quality improvement.

Pre-requisite: NA

BSN301 Adult Health Nursing (Theory) (3CH)

This course introduces students to the introductory practice in medical-surgical nursing roles when caring for adult patients with acute and chronic health conditions. The course prepares students to assume and perform responsibilities as registered nurse in a wide variety of medical-surgical nursing. Students are expected to integrate knowledge from pathophysiology, pharmacology, and behavioral sciences to develop nursing care plans for adult patients with diverse health conditions.

Pre-requisite: BSN202; PHA238

BSN302 Adult Health Nursing (Clinical) (4CH*)

This course is a hands-on course where students have the opportunity to apply their theoretical knowledge and develop practical skills in providing nursing care to adult patients. Under the guidance of experienced clinical instructors, students will gain valuable clinical experience in various healthcare settings. The course focuses on assessing the health needs of adult patients, implementing nursing interventions, and evaluating patient outcomes. Students will develop critical thinking, communication, and clinical decision-making skills as they provide direct patient care, administer medications, and collaborate with the healthcare team.

Pre-requisite or co-req: BSN301; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN303 Maternity and Newborn Health Nursing (Theory) (3 CH)

The course focuses on the theoretical foundations of providing nursing care to women during pregnancy, childbirth, and the postpartum period, as well as care for newborns. The course covers topics such as prenatal care, normal and high-risk pregnancy, labor and delivery, postpartum care, and newborn care. Students will develop an understanding of evidence-based practices in maternity and newborn health, as well as skills in promoting maternal-infant bonding, breastfeeding support, and postpartum education.

Pre-requisite: BSN202

BSN304 Maternity and Newborn Health Nursing (Clinical) (4CH*)

On this course, students have the opportunity to apply their theoretical knowledge and develop practical skills in providing nursing care to women during pregnancy, childbirth, and the postpartum period, as well as care for newborns. Under the guidance of experienced clinical instructors, students will gain valuable clinical experience in various healthcare settings, such as maternity wards, labor and delivery units, and neonatal intensive care units.

Pre-requisite or co-req: BSN303; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN305 Advanced Adult Health Nursing (Theory) (3CH)

This course focuses on the comprehensive care of adult patients with complex and multi-system health conditions including emergency, ICU, ICCU, and other critical health conditions. Students will delve into advanced concepts related to the assessment, diagnosis, and management of adult patients' health needs. Students will develop advanced critical thinking skills to analyze complex patient situations, make clinical judgments, and implement advanced nursing interventions.

Pre-requisite: BSN301

BSN306 Advanced Adult Health Nursing (Clinical) (4CH) *

This course is a hands-on course that provides students with the opportunity to apply and further develop their nursing skills in the care of adult patients with complex health conditions. Under the guidance of experienced clinical instructors, students will engage in direct patient care in a variety of healthcare settings. By the end of the course, students will have enhanced their clinical competence and be better prepared to provide advanced, patient-centered care to adult patients in a variety of complex healthcare situations.

Pre-requisite or co-req: BSN305; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN307 Pediatric Health Nursing (Theory) (3CH)

This course focuses on the theoretical foundations of providing nursing care to infants, children, and adolescents. Students will gain an understanding of the unique healthcare needs and developmental considerations specific to pediatric populations. The course covers a wide range of topics, including growth and development, common pediatric health conditions, preventive care, and family-centered care. Students will learn about evidence-based practices in pediatric nursing, including assessment techniques, nursing interventions, and medication administration for pediatric patients.

Pre-requisite: BSN303

BSN308 Pediatric Health Nursing (Clinical) (4CH) *

The course will provide the opportunity for students to apply their theoretical knowledge and develop essential skills in providing nursing care to infants, children, and adolescents. Under the guidance of experienced clinical instructors, students gain hands-on experience in assessing the unique healthcare needs of pediatric patients, implementing age-appropriate nursing interventions, and promoting their well-being. Students will have the opportunity to participate in pediatric assessments, medication administration, health promotion activities, and collaboration with the healthcare team and families.

Pre-requisite or co-req: BSN307; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN309 Evidence-Based Practice and Nursing Research (3CH)

This course equips students with the knowledge and skills necessary to incorporate the best available evidence into their nursing practice. Students learn about the research process, including the identification of research questions, study design, data collection, and analysis. They also explore different types of evidence, such as quantitative and qualitative research, systematic reviews, and clinical practice guidelines. This course teaches students how to integrate the best available evidence into their nursing practice. The course covers research processes, study design, data analysis, and different types of evidence. Students develop critical appraisal skills to evaluate research literature and apply evidence-based interventions in their practice. By the end of the course, students will be equipped to incorporate research findings into their decision-making and improve patient outcomes.

Pre-requisite: STA114

BSN401 Community Health Nursing (Theory) (3 CH)

This course introduces students to the scope of community and population health. This course focuses on the theoretical foundations of providing nursing care in community settings. Topics covered include health promotion, health education, disease prevention, community assessment, and population health management. Students will develop the knowledge and skills to provide holistic and culturally sensitive care to diverse populations within the community.

Pre-requisite: BSN305; BSN307

BSN402 Community Health Nursing (Clinical) (4CH) *

This course is a practical course where students apply their theoretical knowledge and develop essential skills in providing nursing care to individuals, families, and communities in various community settings. Under the guidance of experienced instructors, students gain hands-on experience in assessing community health needs, planning and implementing health promotion activities, and providing comprehensive care to diverse populations.

Pre-requisite or co-req: BSN401; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN403 Psychiatric and Mental Health Nursing (Theory) (3CH)

This course focuses on the theoretical foundations of providing nursing care to individuals with psychiatric and mental health disorders. Students will gain an understanding of the principles and theories related to mental health assessment, therapeutic communication, and evidence-based interventions. The course covers topics such as psychiatric disorders, psychopharmacology, therapeutic modalities, and the promotion of mental health and well-being. Students will develop the knowledge and skills necessary to provide holistic and compassionate care to individuals experiencing mental health challenges.

Pre-requisite: BSN305, PSY111

BSN404 Psychiatric and Mental Health Nursing (Clinical) (4CH) *

This course is a practical course where students apply their theoretical knowledge and develop essential skills in providing nursing care to individuals with psychiatric and mental health disorders. Under the guidance of experienced clinical instructors, students gain hands-on experience in various psychiatric and mental health settings, such as inpatient units, outpatient clinics, and community mental health centers. The course focuses on assessment, therapeutic communication, medication administration, and the implementation of evidence-based interventions for individuals with mental health challenges.

Pre-requisite or co-req: BSN403; Students must have a valid BLS provider certificate upon starting this course.

**1 CH= 40 contact hours*

BSN405 Nursing Management and Leadership (2CH)

This course focuses on the principles and skills necessary for effective nursing management and leadership in healthcare settings. Students will learn about the essential aspects of managing healthcare teams, including organizational structure, communication, conflict resolution, and delegation. The course covers topics such as strategic planning, quality improvement, resource management, and ethical decision-making. Students will develop the knowledge and skills to lead and manage nursing teams, promote a positive work environment, and advocate for patient safety and quality care.

Pre-requisite: BNS305; BSN309

BSN406 Adult Health Nursing Rotation (4CH) *

This course will help students gain more hands-on experience in Adult Health Nursing Clinical Practice in providing nursing care to adult patients with medical-surgical conditions. During the rotation, students learn to assess adult patients, implement nursing interventions, administer medications, and provide comprehensive care to individuals with acute and chronic health conditions. They develop skills in critical thinking, clinical decision-making, and effective communication while collaborating with the healthcare team. The course emphasizes the

importance of patient-centered care, cultural sensitivity, and evidence-based practice. Students also have the opportunity to enhance their clinical reasoning abilities and develop proficiency in documentation and patient education.

Pre-requisite or co-req: BSN302; BSN405; Valid BLS certificate (AHA).

**1 CH= 40 contact hours*

BSN407 Critical Care Nursing Rotation (3CH) *

This course provides students with a comprehensive understanding of caring for critically ill patients in various critical care settings such as intensive care units (ICUs) and cardiac care units (CCUs). They will gain proficiency in advanced nursing interventions, such as ventilator management, hemodynamic monitoring, and administration of specialized medications. The course emphasizes the development of critical thinking skills to make rapid and effective decisions in emergency situations by learning to work closely with a multidisciplinary team, including physicians, respiratory therapists, and other healthcare professionals, to provide comprehensive and collaborative care.

Pre-requisite or co-req: BSN306; BSN405; Valid BLS certificate (AHA).

**1 CH= 40 contact hours*

BSN408 Maternity and Newborn Nursing Rotation (3CH) *

This course will help students learn to assess the health of expectant mothers, monitor fetal well-being, and support women during labor and delivery. They also gain skills in newborn assessment, breastfeeding support, and postpartum care for mothers. The course emphasizes the importance of providing holistic and family-centered care, promoting maternal-infant bonding, and addressing the psychosocial needs of the family. Students also learn about common complications and medical interventions associated with pregnancy, childbirth, and newborn care. They will be equipped to provide safe, compassionate, and evidence-based care to individuals in various maternity settings.

Pre-requisite or co-req: BSN304; BSN405; Valid BLS certificate (AHA).

**1 CH= 40 contact hours*

BSN409 Pediatric Health Nursing Rotation (3CH) *

The course provides students with hands-on experience in caring for infants, children, and adolescents. During the rotation, students learn to assess the unique developmental and health needs of pediatric patients, administer age-appropriate medications, and provide comprehensive care to children with acute and chronic conditions. They develop skills in pediatric nursing interventions, such as pediatric medication calculation, pediatric assessment techniques, and pediatric therapeutic communication that will prepare students to provide safe and compassionate care to pediatric patients in various healthcare settings.

Pre-requisite or co-req: BSN308; BSN405; Valid BLS certificate (AHA).

**1 CH= 40 contact hours*

BSN410 Community and Mental Health Nursing Rotation (3CH) *

This practical course provides students to gain hands-on experience in providing nursing care to individuals, families, and communities in community and mental health settings. During the rotation, students learn to assess the health needs of individuals and families in the community, develop care plans, and provide health promotion and disease prevention interventions. They also gain skills in mental health assessment, crisis intervention, and therapeutic communication with clients experiencing mental health challenges. The course emphasizes the importance of holistic care, cultural competence, and collaboration with interdisciplinary teams in community and mental health nursing. They will be equipped to promote health and well-being, advocate for clients, and contribute effectively to the healthcare team in community and mental health nursing practice.

Pre-requisite or co-req: BSN402; BSN404; BSN405; Valid BLS certificate (AHA).

**1 CH= 40 contact hours*