

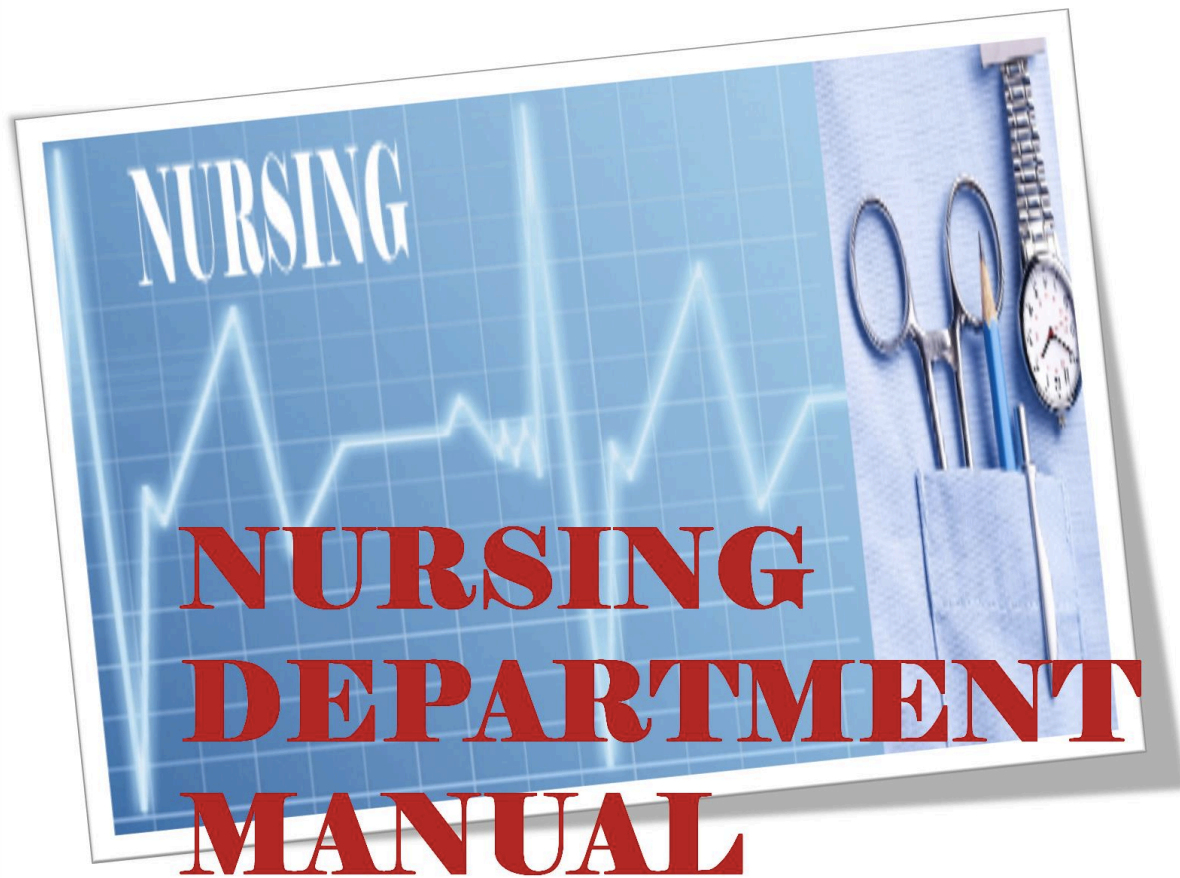


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College of Applied Medical Sciences

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Introduction

The rapidly growing and challenging health-care environment brings new evolving changes and challenges of the health-care industry nationally and internationally, the rapid expansion of technological advances, and the growing needs of the communities for more specialized healthcare services have transformed the role of nurses in the community and in hospital and have demanded that nursing education and training meet those challenges and accommodate for their achievement within our communities.

The Bachelor of Nursing Sciences (BSN) Program provides students with a solid base in nursing education and training and prepares them to practice within complex healthcare systems in more diverse environments. The program is designed to prepare students to work within a rapidly growing and changing health-care environment. BSN graduates will function in diverse roles as a care-provider, a manager, and coordinators of care. Preparation in leadership, informatics, evidence-based practice, population based health promotion and disease prevention are all hallmarks of the program.

The curriculum is focusing on developing the student's critical thinking and clinical reasoning skills and competencies, while incorporating clinical simulation and inter-professional education. Baccalaureate prepared nurses assume important roles in the provision of care, and they are responsible for coordinating and continuing care inside and outside of traditional health-care facilities.

The program affords student opportunities to gain knowledge and skills in organizational and system leadership for improving quality and safety within inter-professional teams. This is exciting and challenging times to be a nurse.

The Master of Science in Nursing (MSN) Program's mission upkeeps the advocacy of the institution in providing an educational environment supportive of scientific research and community service in coping to the evolution of health care systems in Saudi Arabia and the region.

Through program's thrust and initiatives, graduate student will be provided with required competencies in management and leadership in nursing. They will apply their understanding on nursing leadership theories, research principles, methodologies to current problems and issues affecting the nursing profession and the health care delivery system. Moreover, graduate student equipped with leadership and managerial skills will help in developing innovative measures in the delivery of health care services to the community.

Department of Nursing

Department of Nursing (**NRS**) at the College of Applied Medical Sciences (**CAMS**) – Majmaah University (**MU**) offers Bachelor in Nursing Sciences (**BSN**) degree and Master of Science in Nursing (**MSN**) degree. Nursing profession represent an important part of the health care delivery system. As with many countries in the region and worldwide, the kingdom of Saudi Arabia is suffering a severe shortage on all levels of nursing profession. The department of nursing at CAMS is therefore aims at preparing qualified general nurses who will meet and continued and changing Saudi society health needs. With the aim of developing more Saudi nurse-leaders who will serve as prime movers in improving the quality of nursing profession.

Program Vision

To be one of the leading providers of nursing education, scientific research and community service both regionally and nationally.

Program Mission

1. BSN Mission

Preparation of competent nursing graduates through quality education environment supporting scientific research and community responsibility.

2. MSN Mission

To prepare competencies in management and leadership in nursing field through educational environment supportive of scientific research and community service to cope with the evolution of health care systems and technique.

Program Goals

1. BSN Goal

- Providing a suitable, rich and stimulating academic environment for students' teaching and learning to thrive within the classroom, the laboratory, and the clinical setting.
- Empowering the graduate to apply theoretical and empirical knowledge gained from basic sciences and nursing sciences to develop holistic plans of care for individuals, families, and communities throughout the lifespan.

- Equip graduates with the necessary leadership and management skills and principles in the effective delivery of nursing care and the advancement of the nursing profession in all aspects of practice.
- Preparing graduates to practice nursing according to codes of professional standards, and ethical and behavioral principles that protect the rights of the individuals and the public.
- Enabling graduates theoretically and clinically to pursue new development in research, technology, and informatics in nursing profession and to contribute effectively both locally, regionally and internationally.
- Promote the concept of community and public partnership between the nurse and the service user within the cultural framework and value system.

2. MSN Goal

- Use the analytical tools to conduct basic and applied research in nursing management.
- Acquisitions of learning skills and ability to apply them in nursing management and leadership to improve health care systems.
- Use and develop nursing theories in problem solving nursing management.
- Able to positively impact on the society to develop ethical, economic and environmental skills.



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Bachelor of Nursing Sciences (BSN)

A. Bachelor of Nursing Sciences (BSN) Program

1. Introduction

The BSN program provides students with a more in-depth study of the physical and social sciences, nursing research, nursing leadership and management, community and public health nursing, and the humanities. This broader and more in-depth education enhances the student's professional development and allows the baccalaureate graduate to better understand the many social, cultural, economic and political issues that impact patients and influence healthcare.

The BSN curriculum is designed to prepare students for work within the growing and changing health-care environment. With nurses taking more of an active role in all facets of health care, they are expected to develop critical-thinking and communication skills in addition to receiving standard nurse training in clinics and hospitals.

2. Graduate Attributes

- **Professional Disposition**
Embody a professional disposition committed to excellence, equity and sustainability.
- **Person Centered Care**
Engage in person centered care that is appropriately sensitive to the needs of individuals, families and communities.
- **Communication and Collaboration**
Communicate and collaborate effectively and respectfully with diverse groups.
- **Knowledge Use and Translation**
Inquire critically to assess a body of evidence to inform practice.
- **Professional Competence**
Competently apply knowledge and skills to ensure safe and effective nursing practice.
- **Indigenous Cultural Respect**
Demonstrate professional cultural competency which contributes to the health and wellbeing of Indigenous, inclusive of physical, social, emotional and spiritual wellness.

3. Program Learning Outcomes

Knowledge and Understanding:

- K1** The student will recall knowledge from various disciplines related to nursing practice and health promotion.
- K2** The student will recognize knowledge of pathophysiological alterations and its effects on bio-psychosocial functioning of individuals.

- K3** The student will synthesize relevant concepts, principles and theories of basic sciences to assess needs and provide appropriate nursing care.
- K4** The student will reproduce the basic concepts of illness prevention, health promotion and management for diverse individuals, families, groups, and communities across the lifespan and across the health illness continuum.

Skills

- S1** The student will criticize scientific, ethical and evidence-based knowledge, regarding alterations in health to maintain patient-centered care.
- S2** The student will use effective communication techniques to promote relationships with individuals/families and communities.
- S3** The student will be able to employ information systems for maintaining accurate, legible and complete records of data while complying with legal requirements, including confidentiality requirements, data protection legislation and other codes of practice when dealing with health information.
- S4** The student will be able to perform nursing skills at all levels of practice across the lifespan in a variety of complex healthcare settings.
- S5** The student will be able to operate various patient-support technologies and devices in the delivery of safe and holistic nursing care.

Values

- V1** The student will apply leadership concepts, principles of advocacy and decision making in the provision of quality patient care in a variety of settings
- V2** The student will be able to demonstrate collaboration with the multidisciplinary team while practicing their profession in a holistic, tolerant, non-judgmental, caring, and sensitive manner.
- V3** The student will illustrate an appropriate teambuilding strategies and effective cooperation to promote positive outcomes to a diverse society in a global context.

4. Graduation Requirements

Total of one thirty four (134) credits along with one year non-credit but mandatory, rotatory internship is required to complete the Bachelor of Nursing Sciences (BSN) Program. Eighty one (81) credits are program mandatory and six (6) credits program elective, thirty one (31) credits are college mandatory and four (4) credits are college elective, and University elective as twelve (12) credit hours.

A mandatory one year internship consisting of a comprehensive clinical training with rotation to Emergency, Intensive Care Unit (ICU), Critical Care Unit (CCU), Orthopaedic, Neurology, Cardiopulmonary, Paediatric, Burns and surgery Department is mandatory. The student shall have completed all academic requirements to qualify for internship program.

The student are awarded a degree of Bachelor in Nursing Sciences (BSN) after successful completion of all clinical rotations, competencies and objectives.

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required			
	Elective	6	12	9%
College Requirements	Required	10	31	23%
	Elective	2	4	3%
Program Requirements	Required	30	81	60.5%
	Elective	2	6	4.5%
Capstone Course/Project				
Field Experience/ Internship		One year	Non Credit	0%
Others				
Total			134	100%

5. Program Study Plan

Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Prep Year	PENG111	English (1) for the preparatory year	Required	-	8	
	PMTH112	Introduction to Mathematics 1	Required	-	2	
	PCOM113	Computer Skills	Required	-	2	
	PSSC114	Learning Skills and Communication	Required	-	2	
	PENG121	English (2) for the preparatory year	Required	-	6	
	PENG122	English for Health Specialties	Required	-	2	
	PCHM124	Introduction to Chemistry	Required	-	2	
	PPHS125	Physics for Health Specialties	Required	-	2	
	PBIO126	Biology	Required	-	3	

Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 3	NRS 232	Principles of Anatomy	Required	-	2	Department
	NRS 237	Principles of Physiology	Required	-	2	Department
	NRS 233	Introduction to Clinical Skills in Patient Care	Required	-	4	Department
	NRS 234	Patient Care Clinical Skills Laboratory	Required	-	3	Department
	CAMS231	Emergency Care	Required	-	2	College
	***	University Requirement 1	Elective		2	University
	CAMS	College Elective-1	Elective		2	College



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Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 4	NRS 241	Health Assessment	Required	NRS 233	2	Department
	NRS 242	Health Assessment Skills Development/ Lab	Required	NRS 234	2	Department
	NRS 243	Adult and Geriatric Health Nursing-1/ Theory	Required	NRS 233	3	Department
	NRS 244	Adult and Geriatric Health Nursing-1/ Clinical	Required	NRS 234	3	Department
	NRS 245	Pharmacologic Aspects of Patient Care	Required	-	3	Department
	NRS 246	Microbiology for Nursing	Required	-	2	Department
	***	University Requirement-2	Elective		2	University

Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 5	NRS 351	Adult and Geriatric Health Nursing-2/ Theory	Required	NRS 243	3	Department
	NRS 352	Adult and Geriatric Health Nursing-2/ Clinical	Required	NRS 244	3	Department
	NRS 353	Nursing: History, Trends and Issues	Required	-	3	Department
	NRS 354	Principles of Nutrition	Required	-	2	Department
	NRS 355	Pathophysiology	Required	NRS232	2	Department
	NRS 356	Human Growth and Development	Required	-	3	Department
	***	University Requirements-3	Elective	-	2	University



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Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 6	NRS 361	Maternal-Newborn Health Nursing / Theory	Required	NRS351	3	Department
	NRS 362	Maternal-Newborn Health Nursing / Clinical	Required	NRS352	3	Department
	NRS 363	Pediatric Health Nursing / Theory	Required	NRS 351	3	Department
	NRS 364	Pediatric Health Nursing/Clinical	Required	NRS 352	3	Department
	NRS 365	Advanced Emergency Health Care	Required	CAMS231	2	Department
	CAMS	College Elective-2	Elective	-	2	College
	***	University Requirement - 4	Elective	-	2	University

Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 7	NRS 471	Community Health Nursing/Theory	Required	NRS 361, NRS 363	3	Department
	NRS 472	Community Health Nursing/Clinical	Required	NRS 362, NRS 364	2	Department
	NRS 473	Mental Health Nursing/Theory	Required	NRS 351	3	Department
	NRS 474	Mental Health Nursing/Clinical	Required	NRS 352	2	Department
	NRS 475	Methods of Nursing Research	Required	-	3	Department
	NRS 476	Intensive Care for Adults	Elective	NRS 351	3	Department
	NRS 477	Intensive Care for Newborns	Elective	NRS 363	3	Department
	***	University Requirement - 5	Elective		2	University

Level	Course Code	Course Title	Required or Elective	* Pre-Requisite Courses	Credit Hours	University, College or Department
Level 8	NRS 481	Intensive Clinical Training	Required	NRS 476	5	Department
	NRS 482	Nursing Management and Leadership/ Theory	Required	NRS 471	3	Department
	NRS 483	Nursing Management & Leadership/ Clinical	Required	NRS 472	2	Department
	NRS 484	Evidence-Based Practice and Critical Thinking	Required	-	2	Department
	NRS 485	Information Technology in Nursing	Elective	-	3	Department
	NRS 486	Independent Study in Specialty Nursing	Elective	NRS 475	3	Department
	***	University Requirement - 6	Elective	-	2	University
Include additional levels if needed (i.e. summer courses).						

6. Courses Brief Description

LEVEL 3 COURSES

Course Code	CAMS 231
Course Title	Emergency Care
Credits	2 units (1+1+0)
Pre-Requisite	None
Description	This two-credit hour course consists of two parts; theory and practice. The theoretical part (1 credit hour) is designed to provide CAMS students with basic knowledge related to emergency cases. This knowledge includes definition and scope of emergency care, assessment of the victim, vital signs, and emergency care provided for certain emergencies. The practical part (1 credit hour, 2 actual hours) provide students with skills needed to care for injured or ill clients until the arrival of advanced medical personnel. It includes assessing vital signs, BLS (Basic Life Support) for adults, children, and Infants, in addition skills needed to care for certain conditions.



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Course Code	NRS 232
Course Title	Principles of Anatomy
Credits	2 units (1+1+0)
Pre-Requisite	None
Description	The objective of this course is to identify the normal structure and working knowledge of human body. This includes studying the structure of the cell, the basic human tissues and all systems of human body. This course emphasizes on subjects concerning nursing studies. In addition, it describes the embryonic developmental processes of all the major systems in the human body.

Course Code	NRS 233
Course Title	Introduction to Clinical Skills in Patient Care
Credits	4 units (4+0+0)
Pre-Requisite	None
Description	This course serves as a base for other nursing courses. It is designed to provide the third level students with the basic nursing concepts and theoretical principles needed for the practice of nursing. The course emphasizes the student's understanding of the nature of the client needs and the interventions required utilizing the functional health patterns such as exercise and rest, nutrition, and elimination.

Course Code	NRS 234
Course Title	Clinical Skills in Patient Care / Laboratory
Credits	3 units (0+3+0)
Pre-Requisite	None
Description	This course introduces classic nursing principles that underpin future clinical practice. Principles include such things as comfort measures, assistance with daily living activities, environmental concerns, positioning and transporting, asepsis and sterile technique, medication administration, intrusive therapies and use of the nursing process with particular emphasis on the intervention component.

Course Code	NRS 237
Course Title	Principles of Physiology
Credits	2 units (1+1+0)
Pre-Requisite	None
Description	The course takes a systems approach to physiology as per the requirements of nursing specialty. Due to the close interrelationship between structure and function in biological systems, each functional physiology topic will include a brief overview of anatomic structure. The physical and chemical laws that are the basis of the physiological processes will also be covered, and applications to current biomedical research and clinically relevant situations will be included.

LEVEL 4 COURSES

Course Code	NRS 241
Course Title	Health Assessment
Credits	2 units (2+0+0)
Pre-Requisite	NRS 233
Description	This course designed to provide students with knowledge and skills required for assessment of individual's health status during health and illness. Students are directed to use effective communication skills to collect data about health history required for the performance of physical examinations based on the functional health patterns that affect the individual's health status. Knowledge from medical sciences and critical thinking are used to determine any health alterations of the individual.

Course Code	NRS 242
Course Title	The Development of Health Assessment Skills / Laboratory
Credits	2 units (0+2+0)
Pre-Requisite	NRS 234
Description	This laboratory-based course is a co – requisite to the Health Assessment/Theory (NRS 241). It is designed to assist students to acquire basic essential skills to perform physical assessment and data collection for various patients in different health care settings. Thus, students are trained to collect subjective and objective data in order to design patients' care accordingly.



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Course Code	NRS 243
Course Title	Adult and Geriatric Health Nursing 1 - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 233
Description	This course is designed to introduce fourth level nursing students to the basic principles of nursing care and management of adult health problems related to respiratory, cardiovascular, endocrine and gastrointestinal systems. These principles will assist students to provide the comprehensive nursing care needed to meet their needs by utilizing the nursing process.

Course Code	NRS 244
Course Title	Adult and Geriatric Health Nursing 1 - Practical
Credits	3 units (0+0+3)
Pre-Requisite	NRS 234
Description	This course is designed to help the nursing students to apply the basic principles of nursing care and management of adult health problems related to respiratory, cardiovascular, immobility, endocrine and gastrointestinal systems by utilizing the nursing process.

Course Code	NRS 245
Course Title	Pharmacologic Aspects of Patient Care
Credits	3 units (3+0+0)
Pre-Requisite	PCHM 124
Description	This course deals with pharmacodynamics, pharmacokinetics, clinical/therapeutic uses and toxicology of drugs. Emphasis is given on how a drug works to anticipate when giving a drug to a patient are of paramount importance since nursing responsibilities include administering drugs, calculating medication dosages based on given setting, assessing drug effects, intervening to make a drug more tolerable, and providing teaching about drugs and the drug regimen.

Course Code	NRS 246
Course Title	Microbiology for Nursing
Credits	2 units (1+1+0)
Pre-Requisite	None
Description	This course is an introduction to the pathogenic microorganisms of humans including, bacteria, viruses, and fungi with a major emphasis on bacteriology and aseptic techniques and also the impact of microbes on everyday life. Further, this course uses a hands-on approach to investigate microbial growth and factors that impact growth and the interactions of microbes with biotic and abiotic environments.

LEVEL 5 COURSES

Course Code	NRS 351
Course Title	Adult and Geriatric Health Nursing II – Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 243
Description	This course is continue to adult and geriatric health nursing II, it introduce nursing students to the basic principles of nursing care and management of adult health problems related Selected alterations in health experienced by the adult and geriatrics client (i.e. renal, musculoskeletal, nervous, immunology, eye and ear, integumentary and infectious diseases). These principles will assist students to provide the comprehensive nursing care needed to meet their needs by utilizing the nursing process.

Course Code	NRS 352
Course Title	Adult and Geriatric Health Nursing II - Practical
Credits	3 units (0+0+3)
Pre-Requisite	NRS 243, NRS 244
Description	This course is in continuation to adult and geriatric health nursing -1 and it introduces nursing students to the basic principles of nursing care and management of adult health problems related to selected alterations in health experienced by the adult and geriatrics client (i.e. renal, musculoskeletal, nervous, immunology, eye and ear, integumentary and infectious diseases). These principles will assist students to provide the comprehensive nursing care needed to meet their needs by utilizing the nursing process.



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Course Code	NRS 353
Course Title	Nursing: History, Trends and Issues
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	This course provides an exploration of nursing history and current professional issues in nursing. Specifically, students will develop an understanding of the development of nursing history and its major landmarks and forces that shaped it during all stages of its development, basic knowledge about the complex issues of nursing within multidisciplinary practice in a variety of surrounding environments. The course explores issues and trends of furthering the profession, current nursing shortage, workplace issues, policy, ethical principled behavior, transcultural concepts, culture and practice competencies, and legal and ethical issues in nursing practice and healthcare systems. Students will be asked to apply this knowledge and discuss the impact of a current professional issue focused on the junior nurse's role. The students will explore the challenges or opportunities that arise around these issues.

Course Code	NRS 354
Course Title	Principles of Nutrition
Credits	2 units (2+0+0)
Pre-Requisite	None
Description	This course introduces nursing students to the concepts of nutrition in illness and wellness. Students will be able to learn about the nutritional requirements of clients during all stages of their life. Attention is given to the nutrition and metabolism, nutrition and illness, influence of culture on nutrition, and the role of professional nurses in assessing and providing proper nutritional needs of all clients.



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Course Code	NRS 355
Course Title	Pathophysiology
Credits	2 units (2+0+0)
Pre-Requisite	NRS 232, NRS 237
Description	This pathophysiology course will provide an in-depth study of the abnormal physiology associated with disease, the pathologic processes (pathogenesis) of disease and how that disease affects the human organism. The pathologies to be studied will be diseases that have the greatest effect on our society, with an emphasis on those complex pathologies that are most commonly encountered by health care providers. The study approach will be around major body systems and common diseases characteristic of those major body systems for the adult and child.

Course Code	NRS 356
Course Title	Human Growth and Development
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	This course is designed to introduce nursing students to the concepts of human growth, development, and maturation. It explores the stages of human growth and development throughout the life span. Specific emphasis is placed on the physical, emotional, cognitive, social, and spiritual growth and development of human beings. Theories of personality development and nursing precaution measures in each developmental stage are also addressed.

LEVEL 6 COURSES

Course Code	NRS 361
Course Title	Maternal and Newborn Health Nursing - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 351
Description	This course focuses on the study of women during different cycles of their lives including childbearing, childrearing, and post-partum periods. Knowledge of reproductive health, safe motherhood are essential for the planning and implementation of care during preconception, conception, antenatal, and postnatal periods. The course reveals the needs of the mother and infant during the antenatal, intrapartum, and postpartum periods.

Course Code	NRS 362
Course Title	Maternal and Newborn Health Nursing - Clinical
Credits	3 units (0+0+3)
Pre-Requisite	NRS 352
Description	This course provides both relevant instructional and clinical learning experiences for students to apply the nursing process and critical thinking skills as primary framework prior in providing holistic care to the women during ante-partum, intra-partum, postpartum periods and gynecological problems and newborn in a variety of settings.

Course Code	NRS 363
Course Title	Pediatric Health Nursing - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 351
Description	<p>This course introduces the students to the normal growth and development of the children from infancy to adolescence. Also, it covers the pathological entities of children: the major systems of the body, respiratory, cardiovascular, hematology, and gastrointestinal, genitourinary, central nervous system, endocrine, integumentary and musculoskeletal systems will be taught.</p> <p>The goal of this course is to enable the student to utilize the nursing process to develop plans of care for the pediatric patients, recognizing and addressing the psychological, developmental, and physiological implications of nursing to the pediatric patient.</p>

Course Code	NRS 364
Course Title	Pediatric Health Nursing - Clinical
Credits	3 units (0+0+3)
Pre-Requisite	NRS 352
Description	<p>This course requires students to utilize the nursing process in the care of healthy and high risk pediatric populations and their families experiencing disruptions in biopsychosocial, cultural and spiritual needs. Emphasis is also placed on meeting health promotion and health maintenance needs, caring, therapeutic communication, documentation and teaching. Students are expected to spend the first 6 weeks in the lab followed by 8 weeks in pediatric clinical areas.</p>

Course Code	NRS 365
Course Title	Advanced Emergency Health Care
Credits	2 units (1+1+0)
Pre-Requisite	CAMS 231, NRS 352
Description	<p>This course is designed to introduce nursing students to advanced competencies and skills in emergency care both in public and within health care settings. It especially focuses on procedures related to advanced life support and lifesaving. Special emphasis is put on managing medications used in variety emergent conditions.</p>

LEVEL 7 COURSES

Course Code	NRS 471
Course Title	Community Health Nursing - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 361, NRS 363
Description	This course is designed to provide the student with the essential knowledge and skills related to the latest concepts in family and community health, and how to work as a community health nurse. The students will understand the principles of environmental health, and ways to provide nursing care and health education in different settings, including health care centers, homes, schools, factories and associations dealing with clients with special needs and with the elderly.

Course Code	NRS 472
Course Title	Community Health Nursing - Clinical
Credits	2 units (0+2+0)
Pre-Requisite	NRS 362, NRS 364
Description	This course is designed to apply principles of community health nursing and to help the student to gain a broad perspective of community health nursing. Knowledge and skills learned previously are used to guide the concepts of the individuals within the family and within the community either in illness or in wellness. Concepts of the nursing process within the family and self-care framework are applied.

Course Code	NRS 473
Course Title	Mental Health Nursing - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 351
Description	This course is designed to focus on mental health and illness across the lifespan of clients and population groups with acute and chronic psychosocial difficulties and psychiatric illnesses.



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Course Code	NRS 474
Course Title	Mental Health Nursing - Clinical
Credits	2 units (0+2+0)
Pre-Requisite	NRS 351
Description	This course will introduce the principles and practices of psychiatric/mental health nursing care of the adult population, enabling students to gain the basic knowledge and ability required. Clinical practice occurs in a range of healthcare settings and with a variety of patient populations requiring psychiatric nursing care, treatment, and intervention. Students will be expected to apply previously learned theory concepts, treatment modalities, and clinical techniques to acquire and apply clinical skills. Students are provided with the opportunity to practice basic interpersonal communication skills, physiologically oriented interventions, and skills and interventions geared towards meeting the social, intellectual/ emotional, and spiritual needs of diverse patients' populations.

Course Code	NRS 475
Course Title	Methods of Nursing Research
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	This course introduces nursing students to the fundamentals and principles of the research process and their application in nursing. The importance of searching relevant literature, understanding research methods, reviewing research, understanding, and evaluating research findings related to the practice of nursing is emphasized.



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Course Code	NRS 476
Course Title	Intensive Care for Adults
Credits	3 units (2+1+0)
Pre-Requisite	NRS 352
Description	This course focuses on pathophysiological and psychological responses of clients experiencing critical health disruptions. Concepts from pathophysiology, nursing science, pharmacology, and medical technology are integrated as a theoretical base for practicing critical care nursing and managing critical health disruptions. Approaches of analytical thinking, decision-making, homodynamic monitoring, patients education, analysis of research results, and nursing process are used to build a system to identify physiological, psychosocial, and spiritual responses to critical health disruptions in order to deliver appropriate nursing care.

Course Code	NRS 477
Course Title	Newborn Intensive Care Nursing
Credits	3 units (2+1+0)
Pre-Requisite	NRS 363, NRS 364
Description	This course allows students to broaden their understanding and knowledge of the neonate requiring intensive care support and treatment that include assisting the neonate to optimal health within the context of family centered care. The neonatal intensive care stream subjects aim to develop the neonatal nurses' ability to evaluate and manage the wide variety of conditions that present in the perinatal environment.

LEVEL 8 COURSES

Course Code	NRS 481
Course Title	Advanced Clinical Training
Credits	5 units (0+0+5)
Pre-Requisite	NRS 472
Description	This course is a clinical training course providing the student with an opportunity to practice as a beginning nurse under the supervision of a faculty member and continuing education unit in a hospital. Students will spend ten actual practicing hours per week in clinical settings such as surgical ward, medical ward, emergency department, ICUs, and operation department. Students are expected to learn how to provide safe, ethical and comprehensive nursing care for patients in their care. This care will be guided by critical thinking and decision making approach. A list of skills that the student must master is clarified in this course.

Course Code	NRS 482
Course Title	Nursing Management and Leadership - Theory
Credits	3 units (3+0+0)
Pre-Requisite	NRS 471
Description	This course provides an overview of the concepts and principles of leadership and management emphasizes the role of the nurses as a change agent in shaping health care for the future. The concepts and theories of organization, management and leadership, change decision making are explored. Socio –cultural, political, economic, and historical factors that influence healthcare system are all also emphasized. It seeks to promote student's growth as future nurse leaders able to affect quality of patient care, direct and evaluate nursing staff, and introduce change where necessary to ensure better quality care.



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Course Code	NRS 483
Course Title	Nursing Management and Leadership / Clinical
Credits	2 units (0+2+0)
Pre-Requisite	NRS 471
Description	This clinical course is a co-requisite to the theoretical part of nursing management and leadership. The course focuses on the application of theoretical concepts in the practice settings where students are expected to gain managerial and leadership experience. Emphasis is placed on resource management, conflict resolution, managed care, quality improvement, and evaluation practices through collaborative efforts between hospital staff and college mentors.

Course Code	NRS 484
Course Title	Evidence-Based Practice and Critical Thinking
Credits	2 units (2+0+0)
Pre-Requisite	NRS 472
Description	This course aims at introducing nursing students to the concept of evidence-based practice and the use of critical thinking in utilizing the appropriate evidence for best nursing practice. The course describes the several methods of finding the evidence using the databases of scientific research, reading and critiquing research papers and applying critical thinking concepts in the process of translating the evidence to practice. A special focus is placed on the cyclical process of identifying clinical questions, searching and appraising the evidence for potential solutions/innovations, planning and implementing practice changes, evaluating the outcomes and identifying additional gaps in nursing knowledge. Integration of the existing evidence with clinical judgment, patient preferences, inter-professional perspectives and other resources form the basis for the clinical decision-making process that is inherent in improving patient, population and organizational outcomes.

Course Code	NRS 485
Course Title	Information Technology in Nursing
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	In this course, the students will be formally introduced to information technology in nursing, health and healthcare. This course is designed to prepare students to critically analyze and synthesize the application of healthcare information technology in professional nursing practice. It integrates nursing science with computer technology and information science to identify, gather, process, and manage information.

Course Code	NRS 486
Course Title	Independent Study in Specialty Nursing
Credits	3 units (3+0+0)
Pre-Requisite	NRS 475
Description	The main purpose of the Independent Study Project is to provide students with an opportunity to pursue an area of interest in the field of nursing and to explore this area in depth. The course aims at strengthening students' autonomy, creativity, self-reliance, and critical thinking abilities by conducting their own research project. Moreover, students will learn the crucial importance of team-work and its importance in achieving objectives.

7. Where does BSN graduates work?

- ✓ Ministry of Health
- ✓ Hospitals, Medical Cities, and Centers (Public and Private Sectors)
- ✓ Primary Health Care Centers
- ✓ Health Rehabilitation Centers
- ✓ Ministry of Education (Universities, Colleges, School Health)
- ✓ The Saudi Red Crescent Authority
- ✓ Community Nursing and Home
- ✓ Military Forces (The National Guard and The Security Forces)
- ✓ Self-Employment Programs
- ✓ Scientific Research Centers such Universities
- ✓ Health Insurance Companies



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Master of Science in Nursing (MSN)

B. Master of Science in Nursing (MSN) Program

1. Introduction

Empowering health care system is one of the priorities of Saudi Arabia's vision 2030. Aside from corporization to ensure efficiency and quality in the delivery of health services and setting focus for public sector on promoting preventive care, human resource in health care should also be taken into consideration. In Saudi Arabia, there appears to have been little attention given to issues of the internal supply and training of Saudi nurses. Despite the objective of Saudization, the majority of the nursing workforce are expatriates who are working either as staff nurses or qualified enough to occupy managerial positions. There is still a low percentage of takers in the undergraduate program while most of the graduate nurses will study abroad to obtain a master's degree. There should be a sustainable nursing workforce and it means that more Saudi nurses should be trained and equipped with appropriate leadership and managerial skills.

With the aim of developing more Saudi nurse-leaders who will serve as prime movers in improving the quality of nursing profession, the following reasons are deemed to be significant in starting the program.

- To offer quality education available, accessible and affordable to professional nurses in the Saudi Arabia
- To equip Saudi nurses with an effective leadership and managerial skills
- To prepare Saudi nurses working or planning to be promoted in an administrative-managerial position

The MSN program's mission upkeeps the advocacy of the institution in providing an educational environment supportive of scientific research and community service in coping to the evolution of health care systems in Saudi Arabia and the region.

Through program's thrusts and initiatives, graduate students will be provided with required competencies in management and leadership in nursing. They will apply their understanding on nursing leadership theories, research principles, methodologies to current problems and issues affecting the nursing profession and the health care delivery system. Moreover, graduate students equipped with leadership and managerial skills will help in developing innovative measures in the delivery of health care services to the community.

2. Graduate Attributes

- **Professional Disposition**
Embody a professional disposition committed to excellence, equity and sustainability
- **Person Centered Care**
Engage in person centered care that is appropriately sensitive to the needs of individuals, families and communities
- **Communication and Collaboration**
Communicate and collaborate effectively and respectfully with diverse groups
- **Knowledge Use and Translation**
Inquire critically to assess a body of evidence to inform practice
- **Professional Competence**
Competently apply knowledge and skills to ensure safe and effective nursing practice
- **Indigenous Cultural Respect**
Demonstrate professional cultural competency which contributes to the health and wellbeing of Indigenous, inclusive of physical, social, emotional and spiritual wellness

3. Program Learning Outcomes

Knowledge and Understanding:

- K1** Identify strategies of scientific and mathematical research principles for practical healthcare application.
- K2** Describe the role of organizational behavior in healthcare delivery.
- K3** Recognize the knowledge of the interprofessional healthcare leadership roles for quality healthcare outcomes.

Skills

- S1** Apply research evidence in nursing leadership and practice to enhance care and improve outcomes of nursing.
- S2** Illustrate critical thinking to develop organized and systematic components of the nursing process.
- S3** Analyze information and systems related to continuous quality initiatives that promotes evidence-based practice and improved healthcare outcomes.
- S4** Integrate knowledge of sciences and humanities as a basis for leadership and nursing practice.

Values

- V1** Demonstrate the ability to effectively communicate using audience-specific oral, written, and information technology for professional delivery of specialist nursing care.
- V2** Ability to actively engage in leadership activities through intro-and inter-professional collaboration.
- V3** Evaluate how organizational structure, care processes, financing, marketing, and policy decisions impact the quality of healthcare.
- V4** Condense knowledge of ethical principles and standards of healthcare policy to synthesize into nursing scholarship and practice.
- V5** Demonstrate communication skills, including health information management to enhance the quality of care provided at individual and aggregate levels.

4. Graduation Requirements

The Master Program in Nursing is offered as a full-time on-campus day-time program, requiring for graduation the successful completion of 39 credit hours, which are delivered in the form of lectures, clinical, and practical.

Total of thirty nine, Nineteen (19) credits are core subjects, fourteen (14) credits are major subjects, and six (6) credits are thesis subject.

The students are awarded the Master of Science in Nursing Major in Management and Leadership degree after successful completion of all academic requirements, competencies and objectives.

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required			
	Elective			
College Requirements	Required			
	Elective			
Program Requirements	Required	12	39	100%
	Elective			
Capstone Course/Project				
Field Experience/ Internship				

Others				
Total			39	100%

5. Program Courses

Year	Course Code	Course Title	Required or Elective	Credit Hours	College or Department
1st Year					
Semester 1	NRS 611	Research Methodology in Nursing	Required	3	Department
	NRS 612	Nursing Theories	Required	3	
	NRS 613	Biostatistics	Required	3	
	NRS 614	Quality and Safety	Required	2	

Year	Course Code	Course Title	Required or Elective	Credit Hours	College or Department
1st Year					
Semester 2	NRS 621	Evidence-based practices	Required	3	Department
	NRS 622	Nursing Informatics	Required	2	
	NRS 623	Management and Leadership in Nursing	Required	3	
	NRS 624	Advanced Pathopharmacology	Required	3	



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Year	Course Code	Course Title	Required or Elective	Credit Hours	College or Department
2nd Year					
Semester 3	NRS 631	Healthcare System, Finance and Economics	Required	3	Department
	NRS 632	Legal and Professional Issues in Nursing	Required	2	
	NRS 633	Advanced Management and Leadership in Nursing	Required	4	
	NRS 634	Thesis Seminar	Required	2	

Year	Course Code	Course Title	Required or Elective	Credit Hours	College or Department
2nd Year - 3rd year					
Semester 4 and 5	NRS 641	Thesis	Required	6	Department
Include additional years if needed.					

6. Courses Brief Descriptions

LEVEL 1 COURSES

Course Code	NRS 611
Course Title	Research Methodology in Nursing
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	This course introduces the students to different research designs, instruments, methods of data collection and analysis. This course focuses on the utilization of scientific research in the development of nursing knowledge. The students will have the opportunity to design a research proposal in his/her area of specialization.

Course Code	NRS 612
Course Title	Nursing Theories
Credits	3 units (3+0+0)
Pre-Requisite	None
Description	In this course the nature, process and the evolution of contemporary nursing theories will be explored. Selected nursing theories, models and frameworks that are used in the nursing profession will be analyzed critically. Application of theoretical concepts to solve nursing problems in diverse societal settings will be addressed.

Course Code	NRS 613
Course Title	Biostatistics
Credits	4 units (2+2+0)
Pre-Requisite	None
Description	The emphasis of this course is on the nature and characteristics of the most commonly used statistical techniques (descriptive statistics, correlation and linear regression, factor analysis, and elementary hypothesis testing), and their applicability to specific health care problems within the context of nursing. Students will develop skills and knowledge in the use of computing software and to reinforce learning through assignments, including the analysis of data and interpret computer output.

Course Code	NRS 614
Course Title	Quality and Safety
Credits	2 units (2+0+0)
Pre-Requisite	None
Description	The emphasis of this course is to determine the nature and identify challenges facing healthcare quality and safety. Student will be able to discuss approaches and measures of quality and safety performances in ensuring quality. Students will develop skills and knowledge to critically evaluate quality initiatives, strategies, and patient safety.

LEVEL 2 COURSES

Course Code	NRS 621
Course Title	Evidence-Based Practice
Credits	3 units (3+0+1)
Pre-Requisite	None
Description	The course focuses on the skills needed to critically examine research and clinical practice. Explore databases and evaluate the quality of research, as well as its applicability to advanced nursing practice. Facilitates the analysis of various types and levels of evidence for determining best practices. Identifies strategies for disseminating evidence-based research, interdisciplinary collaboration, and improving patient care and outcomes.

Course Code	NRS 622
Course Title	Nursing Informatics
Credits	2 units (1+1+0)
Pre-Requisite	None
Description	This course establishes competency in fundamental information management and computer technology skills. It enables students to use existing information systems and available information to manage nursing practice. Students critically evaluate technology, information, and its sources; use decision support systems designed for clinical decision making; and focus on the representation of nursing data, information, and knowledge.

Course Code	NRS 623
Course Title	Management and Leadership in Nursing
Credits	3 units (2+0+1)
Pre-Requisite	None
Description	The content of this course prepares students for the changing role of the professional nurse in complex and diverse health care settings. The theories and methods of leadership and management are explored and applied in the clinical experience. There is an emphasis on critical thinking, team building, communication, priority setting, and evaluating staff performance. Students will use nursing leadership and management theory as well as the basic and applied sciences and humanities from previous courses.

Course Code	NRS 624
Course Title	Advanced Pathopharmacology
Credits	3 units (2+1+0)
Pre-Requisite	None
Description	This course is designed to present an orientation to disease as disordered physiology. It is intended to enable students to understand how and why the symptoms and signs of various conditions appear. In approaching disease as disordered physiology, this course analyzes the mechanism(s) of production of the symptoms and signs of different disease syndromes. In doing so, it recognizes the student's and practitioner's need to understand the mechanism(s) underlying the disease and its clinical manifestations so that rational pharmacologic therapies can be devised. Thus, appropriate screening and diagnostic laboratory evaluative methods will also be included.

LEVEL 3 COURSES

Course Code	NRS 631
Course Title	Health Care System, Finance and Economics
Credits	3 units (2+1+0)
Pre-Requisite	None
Description	This course focuses on providing the nurse administrator/manager with a basis for understanding the fiscal status of health care organizations. The nurse executive role in financial management, strategic planning and marketing, quality assurance and risk management initiative for health care organizations is explored.

Course Code	NRS 632
Course Title	Legal and Professional Issues in Nursing
Credits	2 units (2+0+0)
Pre-Requisite	None
Description	The course introduces students to nursing as a profession and a discipline. An exploration of the historical development of nursing, evolution of nursing role, and health care system delivery is presented. The role of the professional nurse and scope of practice is examined. Introduction to core health care professional competencies and concepts related to nursing practice concepts are introduced. The philosophy, conceptual framework, and program outcomes of the nursing program are introduced. An emphasis on the acquisition of basic knowledge of social justice, ethical values, holistic care, and respect for diversity, human dignity, and altruism is included.

Course Code	NRS 633
Course Title	Advanced Management and Leadership in Nursing
Credits	4 units (2+0+2)
Pre-Requisite	NRS 623
Description	This course provides for the comprehensive study of the department of nursing as a vital component of multiple health care delivery systems. Its primary focus is on the preparation of nurse managers to function in a variety of health care settings. It examines financial, personnel, and quality control management with the emphasis on the role behaviors of the nurse manager as an advanced practitioner of nursing. An overview of management and leadership theories and processes and their implication for nurse managers is provided. The role of the advanced practitioner and consultant in marketing nursing services is also described.

Course Code	NRS 634
Course Title	Thesis Seminar
Credits	2 units (0+2+0)
Pre-Requisite	NRS 623
Description	This course deals with the result of students' theoretical encounter in the area of nursing leadership and management. It guides the student to identify research topics, formulate research problem/objectives, define variable relationships and explain how their proposed topic will benefit various entities in nursing.

Department Laboratories

1. Male Campus Laboratories

1C1

EMERGENCY NURSING LAB

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Basic life support
- Emergency care of wounds
- Emergency care of bleeding
- Emergency care of shock
- Emergency care of burns
- Emergency care of fractures and dislocations
- Emergency care of poisoning
- Emergency care of bites and stings
- Emergency care of heat exhaustion
- Emergency care of heat stroke
- Emergency care of near drowning and drowning
- Emergency care of choking





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1C2
CLINICAL SKILLS
1 NURSING LAB

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Medication administration
- Assessment of vital signs
- Pre and Postoperative care
- Oxygen administration
- Obtaining electrocardiogram
- Application of cardiac monitor
- Nasogastric tube feeding
- Caring of gastrostomy tube
- Changing and emptying an ostomy appliance
- Irrigating a colostomy
- Administration of parenteral nutrition
- Teaching self-injection of insulin
- Performance of other basic nursing skills



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**1C3
CLINICAL SKILLS
2 NURSING LAB**

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Head to toe physical assessment
- Medication administration
- Application and removal of cast



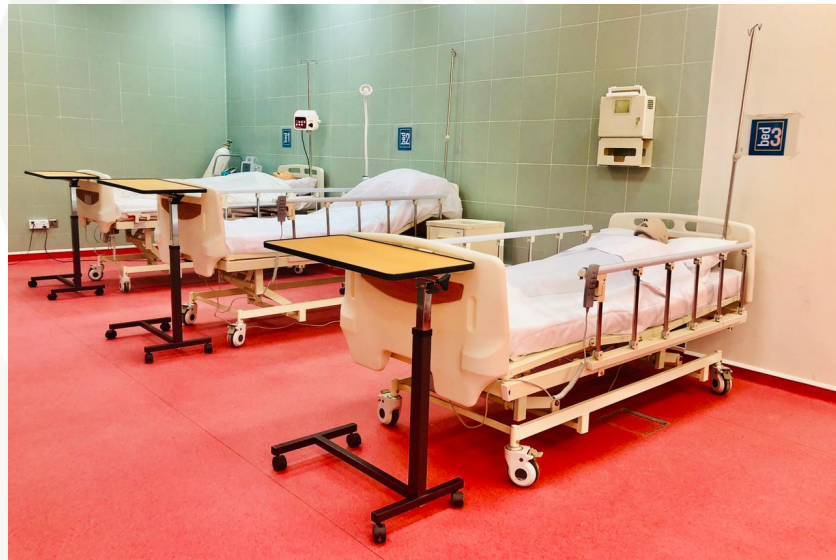
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- Application of traction
- Surgical dressing
- Irrigating the external auditory canal
- Irrigating the eye
- Suctioning nasopharyngeal and oropharyngeal airways
- Male and female catheterization
- Laboratory specimen collection
- Performance of other basic nursing skills



1C4
CHILD HEALTH
NURSING LAB

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Growth parameter assessment
- Medication administration
- Holding a newborn/ infant
- Applying an extremity restraint
- Applying a waist restraint
- Applying an elbow restraint
- Applying a mummy restraint
- Inserting a nasogastric (NG) tube
- Administering a tube feeding
- Removing a nasogastric tube
- Oxygen administration
- Suctioning nasopharyngeal and oropharyngeal airways
- Bathing an infant or small child
- Laboratory specimen collection
- Performance of other basic nursing skills





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**1C5
MATERNAL
HEALTH
NURSING LAB
(Labor Room/
Postpartum)**

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Medication administration
- Assessment of vital signs
- Physical examination during pregnancy
- Abdominal examination during pregnancy using Leopold maneuvers
- Testing urine for protein and sugar using urinary dipstick
- Assessment of pitting edema
- Assessment of uterine postpartum
- Breast examination
- Breast care
- Perineal examination
- Perineal care
- Performance of other basic nursing skills



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1C6
MATERNAL
HEALTH
NURSING LAB
(Delivery Room /
Newborn
Nursery)

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Medication administration
- Assessment of vital signs
- Assessment of uterine contractions
- Monitoring women during 1st stage of labor using partograph



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- Vaginal examination during labor
- External electronic fetal monitoring
- Monitoring women during 2nd and 3rd stages of labor
- Immediate newborn care
- Performance of other basic nursing skills



2. Female Campus Laboratories

005-1-2-3
COMMUNITY
HEALTH
NURSING LAB

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Basic life support
- Breast examination
- Breast care
- Inserting a nasogastric (NG) tube
- Administering a tube feeding
- Removing a nasogastric tube
- Emergency care of wounds
- Emergency care of fractures and dislocation



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**005-1-2-4
PEDIATRIC
HEALTH
NURSING LAB**

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Growth parameter assessment
- Medication administration
- Holding a newborn/ infant
- Applying an extremity restraint
- Applying a waist restraint
- Applying an elbow restraint
- Applying a mummy restraint
- Inserting a nasogastric (NG) tube
- Administering a tube feeding
- Removing a nasogastric tube
- Oxygen administration
- Suctioning nasopharyngeal and oropharyngeal airways
- Bathing an infant or small child
- Laboratory specimen collection
- Performance of other basic nursing skills



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**005-1-2-5
MATERNITY &
NEONATAL
HEALTH
NURSING LAB**

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Medication administration
- Assessment of vital signs
- Physical examination during pregnancy
- Abdominal examination during pregnancy using Leopold maneuvers



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- Testing urine for protein and sugar using urinary dipstick
- Assessment of pitting edema
- Assessment of uterine postpartum
- Breast examination
- Breast care
- Perineal examination
- Perineal care
- Performance of other basic nursing skills
- Performance of universal standard precautions
- Assessment of vital signs
- Assessment of uterine contractions
- Monitoring women during 1st stage of labor using partograph
- Vaginal examination during labor
- External electronic fetal monitoring
- Monitoring women during 2nd and 3rd stages of labor
- Immediate newborn care



005-1-2-6
MEDICAL-
SURGICAL
NURSING LAB

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Assessment of vital signs
- Pre and Postoperative care
- Oxygen administration



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- Head to toe physical assessment
- Medication administration
- Application and removal of cast
- Application of traction
- Surgical dressing
- Irrigating the external auditory canal
- Irrigating the eye
- Suctioning nasopharyngeal and oropharyngeal airways
- Male and female catheterization
- Laboratory specimen collection
- Performance of other basic nursing skills



**005-1-2-7
FUNDAMENTAL
S NURSING LAB**

Skills acquired in the laboratory:

- Performance of universal standard precautions
- Medication administration
- Assessment of vital signs
- Pre and Postoperative care
- Oxygen administration
- Obtaining electrocardiogram
- Application of cardiac monitor
- Nasogastric tube feeding
- Caring of gastrostomy tube
- Changing and emptying an ostomy appliance
- Irrigating a colostomy
- Administration of parenteral nutrition



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- Teaching self-injection of insulin
- Performance of other basic nursing skills
- Performance of universal standard precautions
- Basic life support
- Emergency care of wounds
- Emergency care of bleeding
- Emergency care of shock
- Emergency care of burns
- Emergency care of fractures and dislocations
- Emergency care of poisoning
- Emergency care of bites and stings
- Emergency care of heat exhaustion
- Emergency care of heat stroke
- Emergency care of near drowning and drowning
- Emergency care of choking





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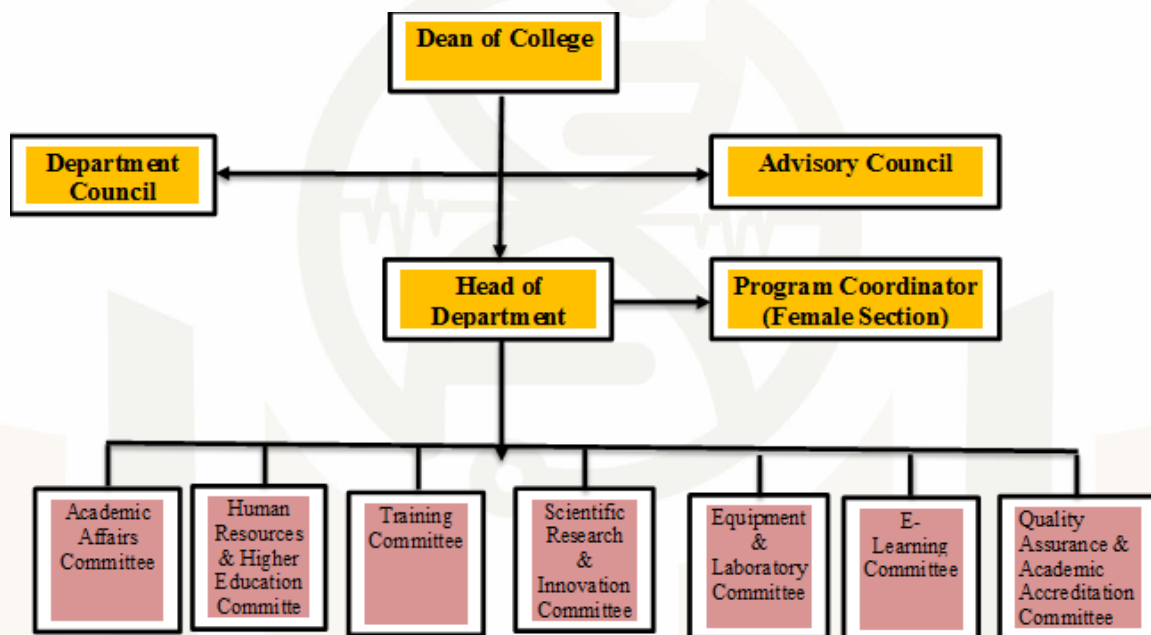
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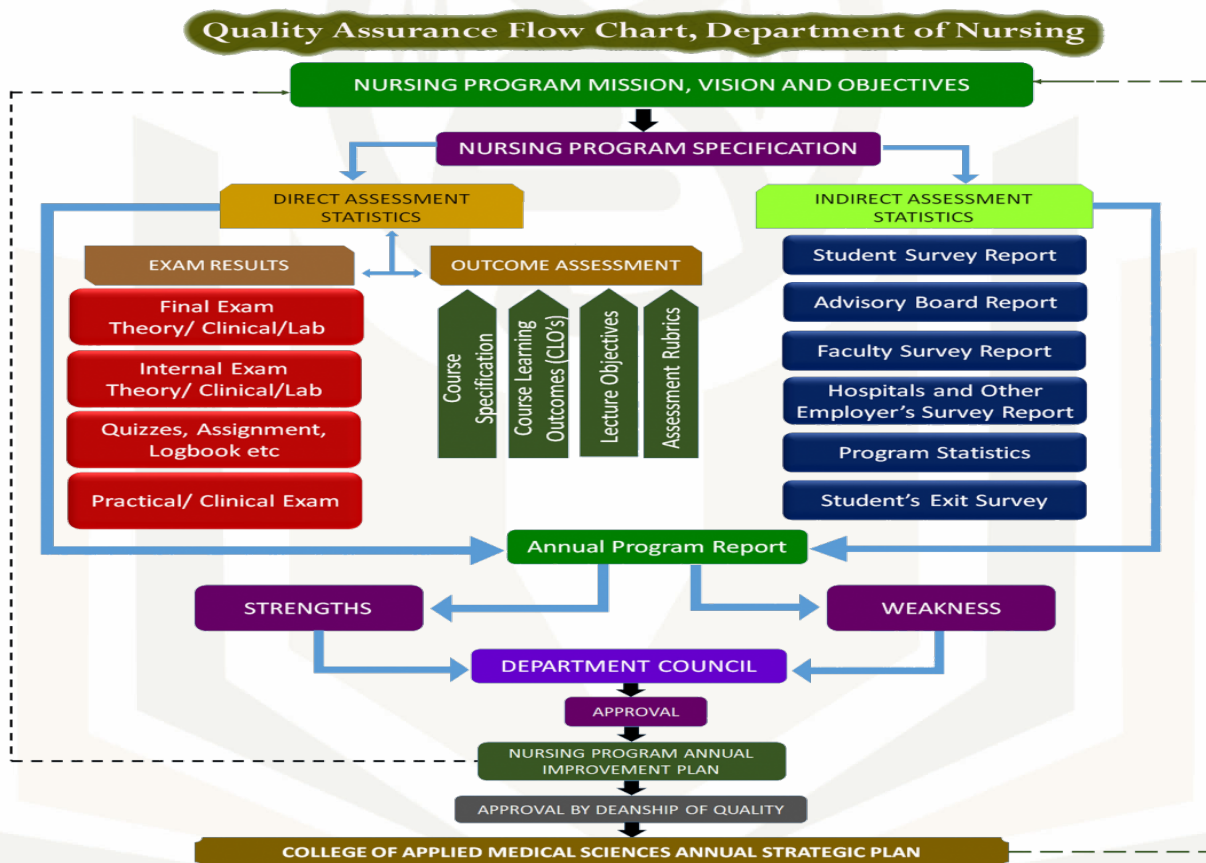
Program Structure



Program Quality Monitoring Procedures

Based on the mission and objectives of the program the program learning outcomes were developed. All the course was then aligned to these program learning outcomes, for each outcome appropriate performance indicators were decided which became the basis for all teaching and assessment activities.

The assessment measures are designed to evaluate the effectiveness of teaching methods for delivering the intended program outcomes. A range of assessments strategies that matches all aspects of the instructional plans are being used for different modules. The assessment strategies are planned to match the instructional goals and objectives at the beginning of the semester and implemented throughout the semester. The selection of appropriate assessments also matches courses and program objectives.



All the modules of the Nursing program have specific learning objectives that are aligned with the program outcomes. Each module has 3-5 specific module outcomes, which are evaluated by appropriate assessment methods. Both direct and indirect assessment techniques are utilized to ensure that the desired program outcomes are achieved. The process of assessment is carried out by using a combination of course work such as quizzes, exams, projects, presentations, homework, etc., Where the grades on these exercises are directly tied to the course outcomes.

At the end of each academic year these performance indicators are measured, and their overall consistence is evaluated. Based on the result of this process recommendation for improvement is prepared which are made part of next year's improvement plan.