

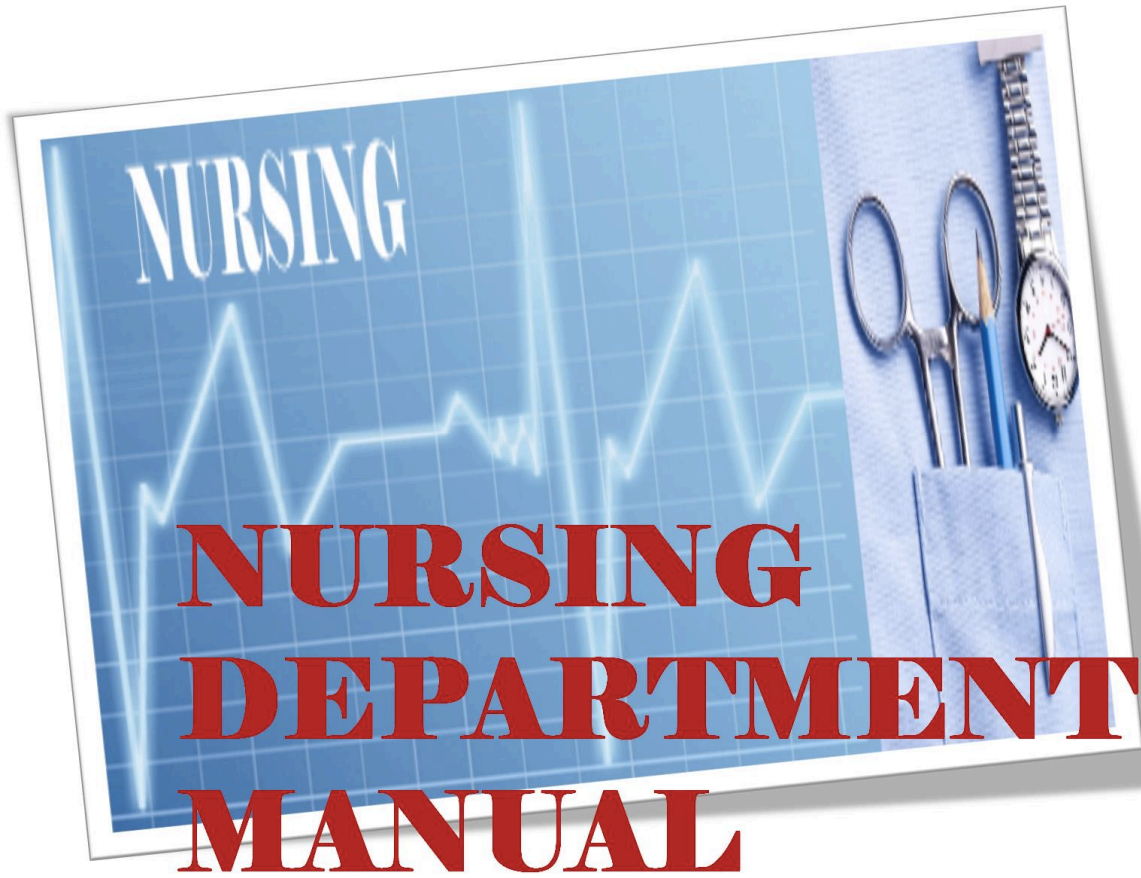


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MSN PROGRAM
3rd Edition
1441-1442 / 2020-2021



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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 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

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

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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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	13	39	100%
	Elective			
Capstone Course/Project				
Field Experience/ Internship				



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Others

Total

39

100%

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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
<i>Include additional years if needed.</i>					

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.



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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.



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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.



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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



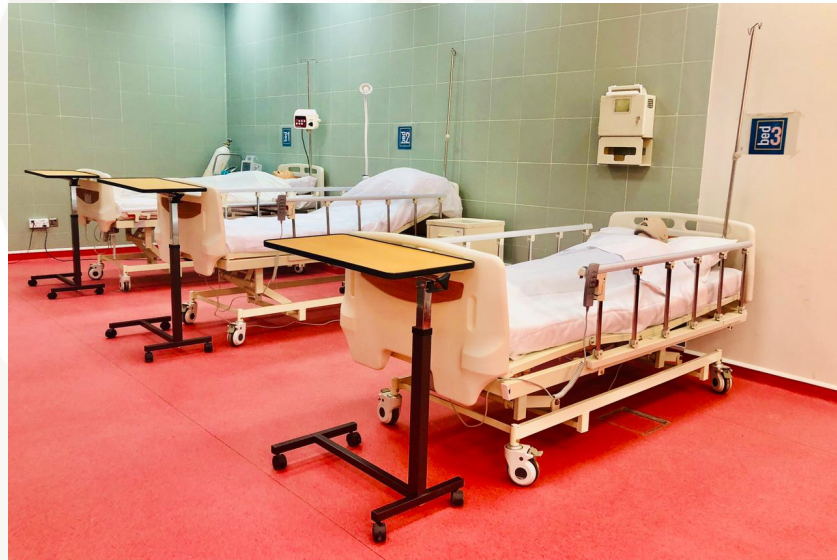
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- Application of traction
- Surgical dressing
- Irrigating the external auditory canal
- Irrigating the eye
- Suctioning nasopharyngeal and oropharyngeal airways
- Male and female catheterization
- Laboratory specimen collection
- Performance of other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





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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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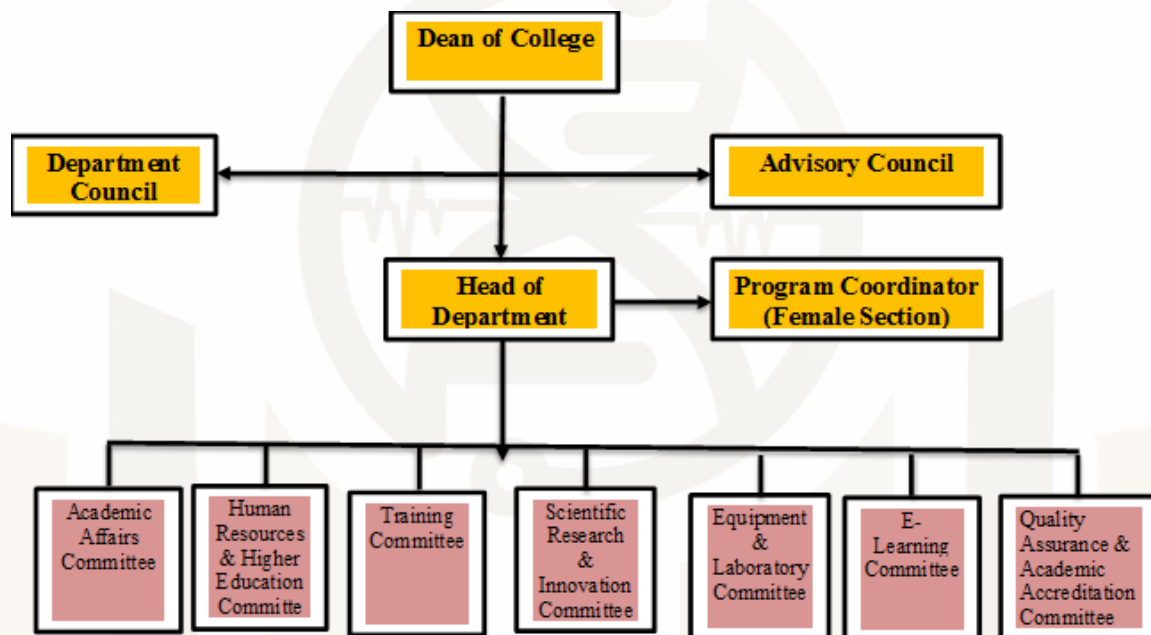
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Program Structure

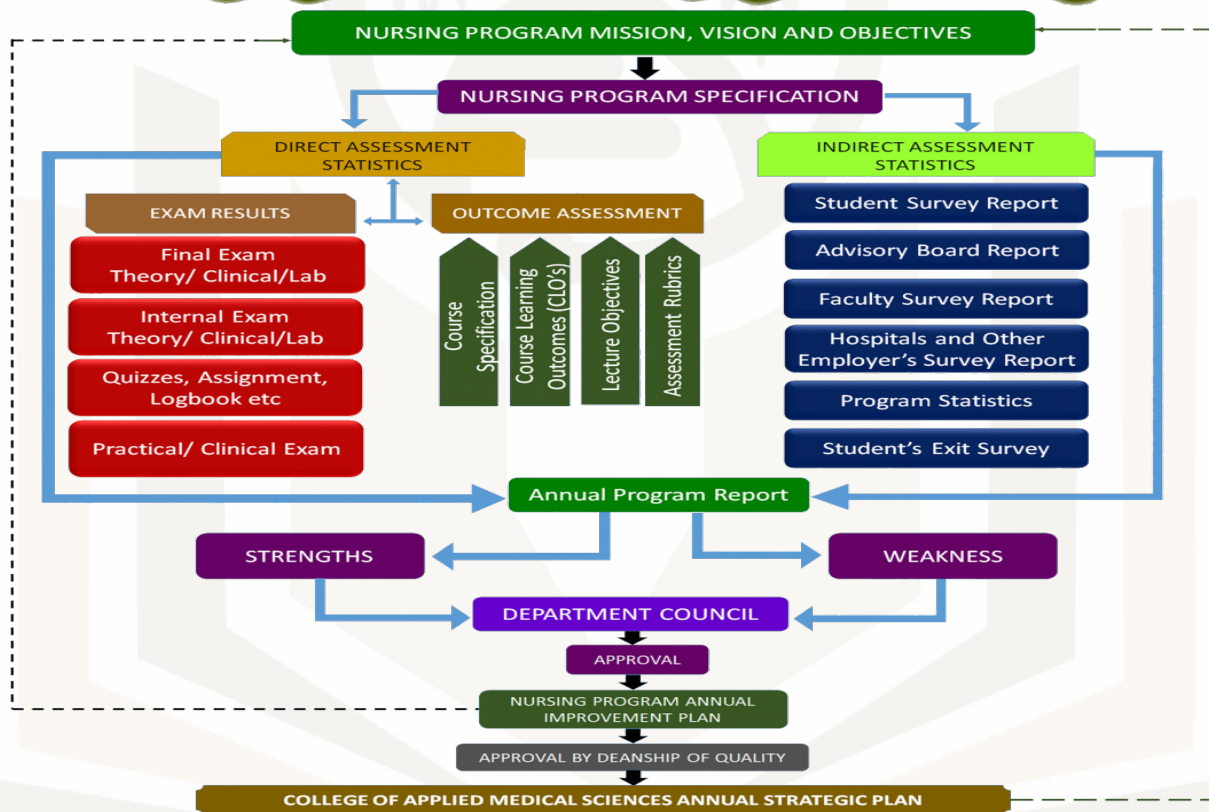


Program Quality Monitoring Procedures

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.

Quality Assurance Flow Chart, Department of Nursing



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.