

## **Course Description**

### **B.Sc. in Nursing**

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**0701208 Therapeutic Communication in Nursing (3 Credit Hours)**

**Prerequisite: (None)**

This course presents a variety of methods to interact more effectively with clients, families, and professional colleagues. The course focuses on communication strategies and principles that enable nursing students to interact with clients in different clinical settings. The psychosocial aspect of illness and health will also be addressed. The student will also learn principles of critical thinking and professionalism in nursing, and will be introduced to the career of nursing and its major concepts.

**0701217 Principles of First Aid (3 Credit Hours)**

**Prerequisite: (None)**

This course provides students with the basic skills and knowledge that assist them to identify the traumas and accidents and intervene accordingly at the accident scene. It also introduces the student with the skills to assess the emergency incident and implement the first aid procedures that will prevent further complications using the accessible resources until the victim is transferred to the hospital.

**0701303 Mental Health Nursing (3 Credit Hours)**

**Prerequisite: (0701208)**

This course is designed for the beginner student in mental health psychiatric nursing. The course is based on a belief in the value of humanistic and holistic approach to nursing care. The nursing process is used as an organizing framework. It provides student with concepts, theories and principles that will illuminate his/her clinical experience. Each concept represents a major coping pattern along the mental health-mental illness continuum is addressed through its relation to the anxiety continuum, theoretical bases, its manifestation with the five dimensions of the person, related nursing diagnosis, psychiatric diagnosis, and nursing care plans.

**0701305 Mental Health Nursing (Clinical)****(2 Credit Hours)****Prerequisite: (0701303) or CO.**

This course is designed to help the student nurse to explore and gain insight into the problems experienced by the mentally ill person; and the emotional, intellectual social, and spiritual strains that physical illness causes.

The student is expected to: integrate knowledge base from the mental health psychiatric nursing theory course; utilize the nursing process within the therapeutic nurse client relationship with the emphasis on the humanistic holistic approach; and develop an open communication with health care providers team to facilitate the client's healing process in a structured environment.

**0701315 Family Nursing Care****(3 Credit Hours)****Prerequisite: (None)**

This course is designed to help a group of special students of school teachers with new information about the family's health, how they communicate with elderly and their special needs. Also this course aimed to orient the students about the principles of community health, environment and the way the should provide health education in different community settings. Also this course enable the students to know certain family's problems in society and how to deal with these problems in health and illness to arrive with the members in the society to a high level of health.

**Health Education and Promotion****(3 Credit Hours)****Prerequisite: (None)**

This course is designed to introduce students to the theories, issues, techniques of health education, teaching skills, and methods in health promotion to clients, families and community. The course is planned to facilitate integration, application and evaluation of specific information regarding to health promotion theory, research and practice. Emphasis would be on preventive aspect of health as well as client education in health and illness. Students will have the opportunity to apply course material to design and implement client education programs to clients with common health problem.

**0701306****Community Health Nursing****(3 Credit Hours)****0701411****Prerequisite: (None)**

This course is designed to help the student to gain good broad perspective of community health nursing. Emphasis will be on the family in the community. Knowledge and skills learned previously are used to guide the concepts of the individuals within the family and the family within the community either in illness or in wellness. Concepts of the nursing process within the family and self care framework are applied. Analysis of roles and interactions of the community health nurse with the individual family and community is to be worked upon (such as nursing roles in school health, occupational health, and roles for clients with special needs. Related topics to the family and community health will be discussed.

**0701414 Community Health Nursing (Clinical) (2 Credit Hours)**

**Prerequisite: (0701411) or CO.**

This course is designed to help the student to master the skills of community health nursing. Emphasis will be on working with the family in the community and work in several community health care centers as a community staff nurse. The student will be responsible of conducting home visits, planning needed intervention to meet community needs, and applying health education principles when applying health education in community setting.

**0701415 Nursing: History, Trends and Issues (3 Credit Hours)**

**Prerequisite: (None)**

This course introduces the student to the history, current issues and problems influencing nursing practice and education and possible approaches in dealing with them. Discussion of recent trends in nursing services and nursing education and their possible application to the nursing profession will be covered.

**0701421 Intensive Clinical Nursing (4 Credit Hours)**

**Prerequisite: (0702453) or Co.**

This course aims at providing clinical opportunity for the fourth year nursing student in the last year of study to reinforce and integrate clinical skills, attitudes and knowledge acquired during the course of study. The student will practice under the supervision of a preceptor in different clinical areas with the guidance and indirect supervision of a faculty member.

**0702131 Foundations of Professional Nursing- I (3 Credit Hours)**

**Prerequisite: (None)**

This introductory course introduces the beginner nursing student to the nature of professional nursing and its history and professional nursing roles. It is designed to provide the student with the basic knowledge and positive attitudes while providing care for clients and their families. The concepts include: wellness, health, nursing profession nursing process, and nursing theories. Also this course introduces the student to communication and interpersonal relations skill to prepare him/her to become effective member of a collaborative health care team. Critical

thinking and decision making will be also addressed as a guide for a safe, competent and skillful nursing practice.

**0702132 Foundations of Professional Nursing- II (3 Credit Hours)**

**Prerequisite: (None)**

This course is designed to provide the beginner nursing student with essential knowledge and positive attitudes related to the basic physiological and psycho social human needs and their alterations organized according to the functional health patterns. This knowledge will assist the student to understand holistic care modalities and complementary therapies and therefore, plan and implement nursing strategies to meet the client's needs in a variety of clinical settings using the nursing process as a framework.

**0702134 Foundations of Professional Nursing (Clinical) (2 Credit Hours)**

**Prerequisite: (0702132) or CO.**

This clinical course is designed to provide the student with laboratory guided experiences with emphasis on the student's independent learning that will assist him to master the basic nursing skills. These skills are presented according to the functional health patterns that are in parallel with the knowledge provided for student in the theory course, in order to prepare the student to implement holistic care modalities in the clinical settings.

**0702203 Professional Writing (3 Credit Hours)**

**Prerequisite: (None)**

This course is designed to introduce students to the basic English concepts in health professions and to enable students to practice professional writing. Students will recognize the multiple purposes of documentation and state documentation fundamentals. The professional writing course will help students learn effective strategies for communicating such as hand writing and computer-mediated writing technologies.

**0702234 Pathophysiology (3 Credit Hours)**

**Prerequisite: (0501105)**

This course focuses on the physiological changes that occur due to internal and external environmental stressors, pathological processes and the responses that produce signs and symptoms. Underlying concepts and principles common to major health problems will be presented. The content will focus also on the special health needs throughout the life span. The concepts explored will assist the student in clinical decision making and actions related to nursing care.

**0702236 Health Education (3 Credit Hours)**

**Prerequisite: (None)**

This course is designed to introduce the special students of school teachers to the basic concepts and theories of the teaching-learning process and the theoretical considerations in the design and development of health education programs for adult learner. Emphasis will be on planning, implementing and evaluating health education programs applied to the individual patient, family and community.

**0702241 Adult Health Nursing I (3 Credit Hours)**

**Prerequisite: (0702134 , 0702234 , 0703135)**

This course focuses on the bio-psycho-social responses of adults to actual and high risk conditions that affect their functional health patterns. These conditions may be acute or long term and the focus will be on selected functional health patterns: Health perception-health management, and activity-exercise patterns. The nursing process will be used as a framework to formulate nursing diagnoses and identify nursing interventions directed towards promoting, maintaining and restoring the health of adults and their families.

**0702242 Adult Health Nursing I (Clinical) (3 Credit Hours)**

**Prerequisite: (0702241) or CO.**

This course will focus on the bio-psycho-social responses of adults to actual and potential conditions that affect their functional health patterns. Clinical practice will provide an opportunity for the student to care for adults with alterations in functional health patterns in a variety of clinical settings utilizing the nursing process. He/she will be able to develop clinical decision-making skills and incorporate theory into practice.

**0702343 Adult Health Nursing II (3 Credit Hours)**

**Prerequisite: (0702242)**

This course is designed to provide the student with the knowledge and positive attitudes while providing care for clients and their families. It will focus on the bio-psycho-social responses of adults to actual and high risk conditions that affect their functional health patterns. These conditions may be acute or long term and the focus will be on selected functional health patterns, including: nutritional-metabolic, cognitive-perceptual and elimination patterns. The nursing process will be used as a framework to formulate nursing diagnosis and identify nursing interventions which promote, maintain and restore the health of adults and their families.

**0702344 Adult Health Nursing II (Clinical) (3 Credit Hours)**

**Prerequisite: (0702343) or CO.**

This course will focus on the bio-psycho-social responses of adults to actual and potential conditions that affect their functional health patterns. Clinical practice will provide an opportunity for the student to care for adults with alterations in functional health patterns in a variety of clinical settings utilizing the nursing process. They will be able to develop clinical decision-making skills and incorporate theory into practice.

**0702451 Management and Leadership in Nursing (3 Credit Hours)**

**Prerequisite: (None)**

This course is designed to introduce the student to management and leadership concepts and principles necessary to promote student's ability to manage care and make appropriate decisions related to clients. These concepts and principles are also necessary to facilitate student's growth as future nurse leader able to affect quality of care and introduce change when necessary. Management process is used as a framework in designing the content of the course.

**0702453 Management and leadership in Nursing (Clinical) (2 Credit Hours)**

**Prerequisite: (0702451) or CO.**

This course is complementary to the management and leadership in nursing theory course. It gives student the opportunity to integrate various management and leadership concepts and principles into practical experiences organized in different settings. Student is required to submit individual and group projects that reflects mastering levels of different management and leadership concepts and skills.

**0703201 Foundation of Growth and Development (3 Credit Hours)**

**Prerequisite: (None)**

This course is designed to introduce the student with the main concepts and principles that are related to the growth and development of child and adolescent within the family context. Furthermore, it focuses on the developmental age periods and the role of the nurse in providing care for child, adolescent and their families. Therefore, this course will give general information about the characteristics of adult and elderly. After all, it concentrates on the main issues that help the student to develop a comprehensive and holistic nursing care for child, adolescent, adult, and elderly within the family context. The framework of the course will be based on the concepts of health promotion.

**0703135 Health Assessment (3 Credit Hours)**

**Prerequisite: ( 0501105)**

This course aims at providing guided knowledge and skills required for the assessment of the clients throughout their life cycle. The course emphasizes the development of collective skills required for the performance of physical examinations based on the functional health patterns that influence the client's health status. It also helps the student to identify any deviation from Normal. Student will focus on the assessment phase of the nursing process, and will practice taking health histories and performing physical examination in a laboratory setting.

**0703214 Health and Safety in Work Setting (3 Credit Hours)**

**Prerequisite: (None)**

This course introduce the student to the concepts and issues related to the maintenance of health through the prevention of occupational hazards for nurses, clients and community. It includes safety measures in relation to the nurse's and client's immediate environment. It focuses on the prevention and management of accidents, planning safety precaution measured and teaching prevention strategies.

**0703361 Maternal Health Nursing (3 Credit Hours)**

**Prerequisite: (0702242)**

This course focuses on the study of women during different cycles of childbearing and childrearing periods. Concentration on the diseases of female reproductive system from puberty until post menopausal period will be considered. Demonstration of knowledge related to physical and psychosocial concepts relevant to the health care of childbearing family. The application of nursing process in the assessment and management of family during these stages.

**0703362 Maternal Health Nursing (Clinical) (3 Credit Hours)**

**Prerequisite: (0703361) or CO.**

This course emphasizes on teaching, training and practicing skills related to the maternal roles different cycles of childbearing and childrearing stages. In addition to gynecological procedures and skills related to gynecology. The focus of nursing management is on primary health maintenance and restoration of health by using nursing process.

**0703363 Introduction to Maternal-Child Nursing (3 Credit Hours)**

**Prerequisite: (None)**

This course introduces the special students of school teachers to the theoretical and clinical principles of caring for the woman and her child during pre and post-natal period. It also orients the student to the different developmental stages during health and illness to be able to assess the health condition, plan the care needed and evaluate its effects on the child's behavior and academic achievement.

**0703371 Children and Adolescents Health Nursing (3 Credit Hours)**

**Prerequisite: (0702242)**

This course has a multifaceted direction, in which the student is introduced to the concepts of health promotion, maintenance and health restoration of different age-groups. Attention will be given to the implementation of the nursing process in the care of healthy children as well as children with different health problems.

**0703372 Children and Adolescents Health Nursing (Clinical) (3 Credit Hours)**

**Prerequisite: (0703371) or CO.**

This course aims at providing guided clinical training experience, knowledge, and skills required for the basic preparation of the nursing students in the nursing care of newborns, infants, children, and adolescents with general, specific, and complex health problems. The nursing process will be utilized in implementing the plan of care. In addition, the course is devoted to the promotion of health and prevention of diseases in children.

**0703454 Scientific Research Methods**

**(3 Credit Hours)**

**Prerequisite: (None)**

The purpose of this course is to introduce the undergraduate nursing student to the research process as presented in professional nursing literature. It aims at introducing the basic concepts of research, its nature, purposes, methods, literature review and data collection, analysis & utilization. Emphasis will be on the applicability and implementation of the research process to nursing and health related problems.

## Course description for allied health courses

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- 0301331      Biostatistics      (3 Credit Hours)**  
**Prerequisite: (None)**  
Types of data; vital statistics; plots; measures of location and variation; correlation and association; probability; binomial; Poisson and multinomial distributions; probit analysis; chi-square test of independence; sign and rank tests; normal and t distributions; tests about means and proportions; ANOVA.
- 0303101      General Chemistry- 1      (3 Credit Hours)**  
**Prerequisite: (None)**  
Measurements and significant figures, chemical reactions; stoichiometry; the gaseous state, thermochemistry; electronic structure and periodicity; chemical bonding; molecular shapes; states of matter and intermolecular forces; physical properties of solutions.
- 0304101      General Biology 1      (3 Credit Hours)**  
**Prerequisite: (None)**  
Internal structure of the cell; molecules of the cell; cellular respiration photosynthesis; molecular biology of the gene; genetic code; DNA replication, protein synthesis; the control of gene expression in prokaryotes and eukaryotes; DNA technology; endocrine; glands and chemical regulation; the immune system.
- 0501104      Biochemistry for Nursing      (3 Credit Hours)**  
**Prerequisite: ( 0301301 )**  
Relationship of organic biochemistry & biochemistry, structure & function of biomolecules, general properties of enzymes, regulation & their applications in nursing. Energy production in living systems & the metabolic pathways involved. Storage of energy & biosynthetic reactions. Nucleic acid & protein biosynthesis. Biotechnology &, molecular biology as related to pathology. Biochemical of hormones action & nutrition.
- 0503202      Pharmacology      (3 Credit Hours)**  
**Prerequisite: (0501104 , 0501105)**  
This course is briefly describing the general principles of pharmacology. Implications of drugs, drugs preparations, drugs therapeutic effects, drug adverse effects, drug administration. Then the course will cover the categories of drugs acting on autonomic nervous system; drugs acting on central nervous system; diuretics; antimicrobials; antiprotozoal agent; antihelmenties; anti cancer; drugs acting on the endocrine system; drugs used in gastrointestinal system; drugs in respiratory system and autacoids.

- 0501105 Physiology (3 Credit Hours)**  
**Prerequisite: ( 0502105) or Co.**  
The course provides basic understanding and general knowledge of physiology. It includes a description of body fluids, blood, nerves and muscles. It illustrates how body maintains itself through the mechanisms of circulation, respiration, digestion, and urine production. It also covers the physiology of the endocrine system and the reproductive system. Finally, the central nervous system (sensory and motor) and the peripheral nervous system (sympathetic and parasympathetic) are also discussed. Clinical applications are mentioned when appropriate.
- 0502105 Anatomy (3 Credit Hours)**  
**Prerequisite: (None)**  
The objective of this course is to identify the normal structure and working knowledge of human body. This includes to study the structure of the cell, the basic human tissues and all systems of human body.
- 0504201 Microbiology (3 Credit Hours)**  
**Prerequisite: (0304101)**  
A lecture course which deals with general aspects of medical microorganisms including Viruses, Bacteria, Fungi and Parasites and their relation to human and nature. Host parasite relationship and the cellular and humoral immune responses are considered in relation to infectious disease. The course provides knowledge on the most important types of human pathogens, clinical signs and symptoms, laboratory diagnosis and prevention and control. Hospital acquired infections, control, prevention and use of disinfections and sterilization methods are included.
- 0603232 Applied Nutrition for Nursing (3 Credit Hours)**  
**Prerequisite: (0702234) or Co.**  
Fundamentals related to nutrients & energy with respect to digestion, absorption, metabolism, functions, dietary sources, diseases of malnutrition and requirements throughout the life cycle; assessment of nutritional status, formulation and planning diets, nutrition, counseling, and use of therapeutic diets in the management of common diseases of different body systems & selected chronic diseases of affluence.