

Course description

I – General obligatory (8 Cr.)

1. **Islamic culture (2 cr.)**
2. **Arabic language 1 (2cr.)**
3. **English / French language 1 (2cr.) & 2 (2 cr.)**

II – Special obligatory (144 Cr.)

1. Introduction to nursing, history and deontology (3cr.):

This course introduces concepts basic to the nursing profession, the nature of the career, the works opportunities, and the role of the nurse in different health setting in the community, history of nursing, ethics and morals of nursing.

2. Basic of nursing 3cr. / Fundamentals of nursing (5cr.):

This course emphasizes on the two main parts of the nursing practice, the nursing process is a data collection, decision making process that incorporates evaluation and subsequent modification of planned care to promote the resolution of nursing problems and it focuses to on the professional skills and nursing care basic on the physiological needs of the client.

3. Fundamentals of nursing practice (3cr.):

Includes laboratory and clinical hours that provides an introduction to selected hospitals environment in which the application of the nursing process and skills are studied.

4. Medical surgical nursing care (Electrolytes balance “2 cr.”, Hemato-Onco pathology and nursing care “3 cr.”, Cardio pathology and Nursing care “3 cr.”, Pneumo pathology “3 cr.”, Digestive pathology and Nursing care “3 cr.”, Nephro pathology and Nursing care “3 cr.”, Neuro pathology and Nursing care “3cr.”, Endocrine pathology and Nursing care “2cr.”, Ortho-Rheumato-pathology and Nursing care “3cr.”, Infectious diseases “3cr”):

This course focuses on the alterations in biologic process that affect body dynamic equilibrium or homeostasis in the human body systems, controls normal body system’s function, pathophysiology or alteration in body function and systems and organs failure, articulates the contribution of nursing to health promotion and maintenance, and disease prevention.

The courses are given in two semesters and focuses on the following concepts in nursing care.

5. General medical surgical practice (5 cr.) / Advanced medical surgical practice (5 cr.):

This is an application of the theory of this course in different department in the hospitals.

6. General internship (3 cr.) / Advanced internship (5 cr.):

This training course allows the students to apply thoroughly the steps involved in the nursing care process.

7. Obstetric and gynecology (5 cr.):

This course focuses on development of fetus from conception to birth, nursing care during pregnancy and delivery, newborn nursing care, infancy to childhood, in addition to Primary, secondary and tertiary prevention in reproductive health and its delivery in the community.

8. Obstetric and gynecology practice (2 cr.):

This course focuses on the application of the theoretical knowledge of maternal nursing in the prenatal clinics, hospitals, health centers, delivery room and other health settings and application of the reproductive health concepts in the community.

9. Psychiatry (4 cr.):

This course deals with individuals having mental and psychiatric disorders; students will focus on communication and different management, assessment and therapeutics applied to individuals and their families with appropriate nursing care.

10. Psychiatry practice (2 cr.):

This course is an application of the theoretical content in the health setting.

11. Pediatric (5 cr.):

This course focus on the nursing process in the nursing care of the child from infancy to adolescence includes ambulatory, as well as in patient care and focuses on primary, secondary and tertiary care.

This course focus to on the role of nurse as an advocate, health teacher and nurturer stresses on, genetically and environmental determinants of Child development since the prenatal period.

12. Pediatric practice (2 cr.):

This course Provides opportunities for assessment of health needs of children based on knowledge of normal growth, development, evidence of health and disease; this course implements nursing care, working effectively in hospitals and the health care delivery system.

13. Community health (5 cr.):

Provides knowledge in the broad area of the field of nursing emphasis of primary health care, the health programs in community; The levels of prime concern are the small group, including the family and its individual members, and the large group, including the community, introduction of health systems, environmental health, occupational health, foundation of health administration, and health economics.

14. Community health practice (2 cr.):

This training course is a field practice, it is provided through team relationships with other health professionals, practice on the prevention with their three levels, promotion, maintenance of high levels of health and well being and prevention of illness and disability, in the different health care setting in the community, schools and factories.

15. Critical care (5 cr.):

This course focuses on the development of knowledge in the care of clients with critical care problems, emphasis is placed on toxicology, multiple trauma, bleeding, drugs emergency, Analgesic, anesthetic, sedative emergency drugs, cardiovascular and respiratory problems, neuralgic disturbances, shock, sepsis, metabolic and endocrine imbalances, altered nutrition, renal failure, emergency and disaster nursing.

16. Critical care practice (4 cr.):

This course focuses on the application of the theoretical content of the intensive care course in the acute care settings.

17. Research methodology (3 cr.):

This is a general approach in research methodology and its application to nursing, the research steps, and research design and preparing nursing project, physiological and behavioral measures relevant to the different areas in nursing.

18. Leadership & administration (4 cr.):

This is a professional nursing course it incorporates the concepts of leadership, management, creativity, analysis, power, change and evaluation and help utilizing system's approach in the fieldwork of health care (hospital, community), and the methodology of planning cost analysis and evaluation and applying the concepts of organization and administration to the health care delivery system.

19. Leadership & administration practice (5 cr.):

This course focuses on structures contexts and processes basic to management in health care settings; students will be exposed to interdisciplinary approaches in management, administration and leadership.

20. Nutrition and diet therapy (3 cr.):

This course emphasizes on the knowledge on the basic classes of food, carbohydrates, fats, proteins, vitamins and minerals and their relationship to health and wellness. The role of diet and nutrients is to prevent cardiovascular disease, diabetic complications, renal failure and renal diseases, gastrointestinal dysfunctions, cancer and infectious diseases.

21. Medical terminology (2cr.):

This is the principles of nursing terms, phrase structure and vocabulary of commonly used terms in diagnosis, operations, radiological investigations, and laboratory test.

22. Microbiology (4 cr.):

Fundamental aspects of microbiology, Kind of microorganisms, multiplication and pathogenesis, This is a basic introduction to microorganisms: viruses, bacteria, fungi, and parasites.

23. General anatomy & physiology (5 cr.) / Advanced anatomy & physiology (6 cr.):

This course is an introduction to the anatomy of the human body, and basic information of the tissues, organs and systems that make up the human body, Also this course introduces the student to the fundamental principles of human physiology and the mechanisms governing the functions of different body organs and the following systems: nervous, digestive, respiratory, circulatory, urinary, reproductive, integumentary, exocrine, endocrine, locomotive, sensory; The mechanism of diseases, it relates normal body functioning to physiological changes that occur as a result of disease.

24. General pharmacology (3 cr.) / Advanced pharmacology (3 cr.):

This course is an introduction of pharmacology, drugs classification, biosynthesis, mode of action, therapeutic uses, storage and release and adverse effects, toxicity, emphasis on commonly used drugs.

25. Senior project (5 cr.):

Project which realized by student at the end of third year.

26. Hospital accreditation (2 cr.):

This course provides the major theories of hospital accreditation.

27. Law and legislation (3 cr.):

This course focuses on the Lebanese law and legislation that every nurse should know and act with.

III – Elective courses (32 cr.) :

1. Biochemistry (4 cr.):

The basic chemical and biological process that are shared by most living cells, the metabolism of the different classes of biological molecules, energy conversion pathways and interactions of various catabolic and anabolic pathways. Disorders of metabolism relevant to the different metabolic pathways will be highlighted.

2. Epidemiology (2 cr.):

This course provides the basic principles and methods of Epidemiology, for describing the distribution and causation of diseases. In addition this course covers epidemiology methods used to design studies and to measure risks of associations.

3. Introduction to biostatistics (3 cr.):

This course provides the basic principles and methods of biostatistics, and covers statistical methods used to organize and summarize data, and to overview statistical procedures used in inferential statistics, the course offers descriptive and analytic statistic that lead to data analysis.

4. Computer application (3 cr.):

This course is an introduction to computer literacy, understanding of the nature, development, and use of computer, program, software (Window, Word) and statistical analysis introduced in this course.

5. Medical technology (3 cr.):

This course aims to help those who have to work with electromedical equipment on a daily basis to gain a better understanding of the underlying functional principles of such equipment and also to learn about the possible hazards involved in its applications.

6. Introduction to sociology (4 cr.):

This course provides the study of the behavior in the individual in relation to social stimulus situations, comparison the characteristics of the different cultures, and the different factors affects attitude, beliefs and behavior in different communities.

7. General psychology (4 cr.):

Principles and finding of modern psychology with attention to their experimental foundations, mental growth and development of human from birth to elderly, utilizing reports of original research and other materials geared to prepare the student for majoring in psychology

8. Professional writing (3 cr.):

This course consists of a comprehensive review of sentence structure leading to write single paragraphs, patient observation. And will be emphasis as well reading comprehension and oral skills that lead to high potential in professional writing.

9. **Emergency (3cr.):**

Recognize and provide first aid in case of common emergencies using the resuscitation equipment including intubation. Care for critically ill patients who required support for maintaining vital functions. Provide first aid in case of disaster, emergency and accidents and demonstrate skill in transporting the casualties. Organize casualty/emergency services

10. **Special sense (3cr.):**

This course focuses on the pathophysiology or alteration in ophthalmic, ENT and integumentary systems, articulates the contribution of nursing to health promotion and disease prevention.

IV – Free (4 cr.):

Any course from any faculty in the university that the student want to choose