

Curriculum for Associate Degree Program in Sterilization Specialization

The curriculum for associate degree in Sterilization Specialization consists of (72 credit hours) as follows:

Serial No.	Requirements	Credit Hours
First	University Requirements	12
Second	Program Requirements	18
Third	Specialization Requirements	42
Total		72



❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

The curriculum for associate degree in Sterilization Specialization

First: University requirements (12 credit hours) as follows:

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
22001101	Arabic Language	3	3	-	-
22002101	English Language	3	3	-	-
21901100	Islamic Culture	3	3	-	-
21702101	Computer Skills	3	1	4	-
Total		12	10	4	

Second: Program requirements (18 credit hours) as follow:

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
21301123	Medical Physics	3	3	-	-
21301131	Biochemistry	2	2	-	-
21301132	Biochemistry/ Practical	1	-	3	21301131*
21102111	Anatomy	3	3	-	-
21102113	Physiology	3	3	-	21102111*
21102115	Medical Sociology	3	3	-	-
21102117	Medical Terminology	3	3	-	-
Total		18	17	3	-

* Co-requisite

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Third: Specialization Requirements (42 credit hours) as follows:

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
21115121	Microbiology 1	3	3	-	
21115123	Microbiology 2	3	3	-	21115121
21115224	Microbiology/ Practical	2	-	6	21115123*
21115231	Biostatistics	3	3	-	
21115232	Epidemiology	3	2	2	
21113101	First Aids	3	2	3	
21115241	Infection Control	3	2	3	
21115261	Medical Equipment and Instruments	3	2	3	
21115151	Sterilization 1	3	3	-	
21115252	Sterilization 1/ Practical	2	-	6	21115151*
21115253	Sterilization 2	3	3	-	21115151
21115254	Sterilization 2/ Practical	2	-	6	21115253*
21115171	Public Health	3	3	-	
21115243	Quality Assurance and Control	3	3	-	
21115200	Field Training**	3	-	-	
Total		42	29	38	

* Co-requisite

** Field training equivalent to 280 training hours.



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Guiding Plan

First Year					
First Semester			Second semester		
Course No.	Course Title	Credit Hours	Course No.	Course Title	Credit Hours
21901100	Islamic Culture	3	22001101	Arabic Language	3
21104119	Medical Terminology	3	22002101	English Language 1	3
21301123	Medical Physics	3	21702101	Computer Skills	3
21102115	Medical Sociology	3	21301131	Biochemistry	2
21115121	Microbiology 1	3	21301132	Biochemistry/ Practical	1
21113101	First Aids	3	21102111	Anatomy	3
			21102113	Physiology	3
Total		18	Total		18

Second Year					
Second Semester			First Semester		
Course No.	Course Title	Credit Hours	Course No.	Course Title	Credit Hours
21115253	Sterilization 2	3	21115231	Biostatistics	3
21115254	Sterilization 2/ Practical	2	21115151	Sterilization 1	3
21115232	Epidemiology	3	21115243	Quality Assurance and Control	3
21115200	Field Training	3	21115241	Infection Control	3
21115252	Sterilization 1/ Practical	2	21115261	Medical Equipment and instruments	3
21115224	Microbiology/ Practical	2	21115123	Microbiology 2	3
21115171	Public Health	3			
Total		11	Total		18

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Brief Course Description

Course Title	Course No	Credit Hours
Arabic Language	22001101	3 (3-0)
<p>تتضمن هذه المادة مجموعة من المهارات اللغوية بمستوياتها وأنظمتها المختلفة: الصوتية، والصرفية، والنحوية، والبلاغية، والمعجمية، والتعبيرية، وتشتمل نماذج من النصوص المشرقة: قرآنية، وشعرية، وقصصية، من بينها نماذج من الأدب الأردني؛ يتوخى من قراءتها وتدوقها وتحليلها تحليلاً أدبياً؛ تنمية الذوق الجمالي لدى الطلاب الدارسين.</p>		
English Language	22002101	3 (3-0)
<p>English is a general course. It covers the syllabuses of listening, speaking, reading, writing, pronunciation and grammar, which are provided in a communicative context. The course is designed for foreign learners of the English language, who have had more than one year of English language study. The extension part would be dealt with in the class situation following the individual differences.</p>		
Islamic Culture	21901100	3 (3-0)
<ol style="list-style-type: none"> 1. تعريف الثقافة الإسلامية وبيان معانيها وموضوعاتها والنظم المتعلقة بها - وظائفها وأهدافها 2. مصادر ومقومات الثقافة الإسلامية والأركان والأسس التي تقوم عليها . 3. خصائص الثقافة الإسلامية . 4. الإسلام والعلم ، والعلاقة بين العلم والإيمان 5. التحديات التي تواجه الثقافة الإسلامية . 6. رد الشبهات التي تثار حول الإسلام . 7. الأخلاق الإسلامية والآداب الشرعية في إطار الثقافة الإسلامية 8. النظم الإسلامية . 		
Computer Skills	21702101	3 (1-4)
<p>An introduction to computing and the broad field of information technology is given. Topics covered include the basic structure of digital computer system, microcomputer, operating systems, application software, data communication and networks, and the internet. Hands-on learning emphasizes Windows xp, MS-office2000, and the internet.</p>		

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Medical Physics	21301123	3 (3-0)
This course is designed to acquaint the students with knowledge about forces and units of forces, energy changes in the body, heat loss from the body, and breathing mechanism. It helps the students acquire knowledge about electric signals of the body, general properties of sound in the body as a drum (percussion in medicine) and vision defects and corrections. Moreover, it makes the students recognize sources of radioactivity, nuclear medicine imaging devices, and the dose in nuclear medicine and therapy with radioactivity.		
Biochemistry	21301131	2 (2-0)
Biochemistry course introduces the basic essential information to the college students to know the biomaterials which we deal with during over daily activities, classification, chemical structure, reactions and how the human body metabolizes such biomolecules work.		
Biochemistry/ Practical	21301132	1 (0-3)
This course deals with performing practical applications for the different classes of biomolecules including carbohydrates, lipids and proteins.		
Anatomy	21102111	3 (3-0)
The course deals with structural anatomy of the body as a whole to provide the students with knowledge of the structure of the body of the human being. This course deals all the systems of the body in an attempt to make it easy for the paramedical students to recognize the organs of the body.		
Physiology	21102113	3 (3-0)
This course is designed to provide the students with the knowledge of the functions performed by the various parts and organs of the human body. It also deals with the integrity of the body systems as a whole to let the student recognize the physiological changes that happen within the human body and how the body systems work		
Medical sociology	21102115	3 (3-0)
يتناول هذا المساق المضمون المعرفي لعلم الاجتماع من حيث الفكر الاجتماعي والرعاية الصحية. فيقدم عرضاً لمفاهيم: الصحة، المرض، الرعاية الصحية، الخدمة الصحية والسلوك المرضي. وكذلك يتناول الدور الذي يمارسه المجتمع في الخدمة الصحية والسياق الاجتماعي للصحة والمرض وانعكاسات مفهوم الصحة والمرض على الخدمات الصحية. ثم يتناول المساق أهم الميادين الدراسية في العلوم الاجتماعية والسلوكية وذلك لفهم السلوك الاجتماعي على المستوى النظري والعملية من التطرق إلى مفاهيم: المعايير، الاتجاهات و القيم.		

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

Medical Terminology	21102117	3 (3-0)
This course is designed to develop a working knowledge of the language of medicine to let students acquire word building skills by learning word roots, suffixes, prefixes and abbreviations. By relating terms to body systems, students should identify the proper use of words in a medical environment. Knowledge of medical terminology enhances the students' ability to communicate and practice his/her work successfully on the purpose of providing health services.		
Microbiology 1	21115121	3 (3-0)
The course introduces the students into the whatness of microbiology with an emphases put on the general classifications of microbiology, bacteriology and the control of microbial growth. It also deals, with host parasite relationship, virology mycology principles of disease and epidemiology. Moreover, it deals with the mechanism of pathogenicity (Pathogenic Bacteria, Antimicrobial drugs, nosocomial infections), and the management of the collection, transportation, preservation and disposal of samples finally, it shows how the results are reported and recorded.		
Microbiology 2	21115123	3 (3-0)
The course deals with the Principles of disease and epidemiology and the Mechanism of Pathogenicity and it also deals with the management of the collection, Transportation Preservation and Disposal of samples and how the results are reported and recorded. it also introduces the students to Pathogenic Bacteria , Antimicrobial drugs, Nosocomial infections, Nosocomial infections and the Viral Infections.		
Microbiology/ Practical	21115224	2 (0-6)
The course deals with the laboratory safety measures, microscopy, preparation, staining and cultivation of bacteria .Concentration is put on the identification of bacteria and the effects of physical and chemical agents on bacteria. Moreover it deals with, fungal microscopy and culture and parasite identification		
Biostatistics	21115231	3 (3-0)
The course deals with the definition of epidemiology and biostatistics .It introduces the students into types and sources of health data, methods of data collection, tools “instrument and the application of biostatistics. Concentration is put on the nature of statistics (under standing data variables, measurement scales and data presentation).		
Epidemiology	21115232	3 (3-0)
The course deals with the definition of epidemiology .Then, it deals with Epidemiologic orientation to health and disease. Concentration is put on Epidemiological aspects of communicable diseases and Epidemiological surveillance and Screens for diseases		
First Aids	21113101	3 (2-3)
This course is designed to introduce the student into emergency medical care providing him with the knowledge and skills that make him able to do patient assessment and choose first Aid priorities and the more suitable instruments which allow him to manage Airway Obstruction, shock and bleeding, soft-Tissue injuries		

❖ تطبق هذه الخطة الدراسية اعتباراً من بداية العام الجامعي 2009/2008

(wounds), soft tissue Injuries (Burns) trauma and fractures, medical emergency (Allergies Reaction) and medical emergency (Poisoning) and, environmental emergency, and altered mental status, It also introduces him to the skills needed for doing CPR.		
Infection Control	21115241	3 (2-3)
This course is designed to provide the student with knowledge needed to introduce him/her to concepts (Importance) and purpose of infection control, disease transmission cycle. It also deals with the transmission of infection in the health care setting. Moreover, it concentrates on the importance of infection prevention practices and safe handling of disposal of clinical wastes and sharps decontaminating equipment. Finally, it deals with the role of housekeeping in infection prevention.		
Medical Equipment and instruments	21115261	3 (2-3)
The course is designed to provide the students with the basic technical knowledge needed for him/her to deal in a safe way with machines & apparatuses used in the C.S.S.D perform simple checks maintenances and know when to ask for technical help when needed. Know various kinds of surgical instruments & proper way of dialling with them.		
Sterilization 1	21115151	3 (3-0)
This course is designed to provide the student with knowledge & technical skills related to various methods of sterilization to enable him/her to use & choose the proper method of sterilization for each material & instrument undergo for sterilization, assuring sterilization quality, proper handling & storage of sterilized materials.		
Sterilization 1/ Practical	21115252	2 (0-6)
This course is designed to provide the student with technical skills needed to enable him /her to perform all C.S.S.D. duties using proper machines, proper methods & proper techniques, maintaining high standards of ethics, safety and cleanliness, emphasizing on the end result of the sterilization process, to provide safe instruments for proper patient use.		
Sterilization 2	21115253	3 (3-0)
This course is a continuation of sterilization 1 and designed to provide the student with knowledge & technical skills related to various methods of sterilization to enable him/her to use & chose the proper method of sterilization for each material & instrument undergo for sterilization, assuring sterilization quality, proper handling & storage of sterilized materials.		
Sterilization 2/ Practical	21115254	2 (0-6)
This course is designed to provide the student with technical skills needed to enable him /her to perform all C.S.S.D. duties using proper machines, proper methods & proper techniques, maintaining high standards of ethics, safety and cleanliness, emphasizing on the end result of the sterilization process, to provide safe instruments for patient use.		

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Public Health	21115171	3 (3-0)
<p>The course deals with the Definition of Public Health, taking into consideration the terms "Wellness, Illness and Disease" and Public Health Activities. It deals also with the Conception of Individual and Community Health, Primary Health Care, Secondary Health Care, and Tertiary Health Care / Rehabilitation. Moreover, it deals with National Health Care System, Health Sectors, Health Care Providers, and Health Insurance and the World Health Organization, (WHO) and Communicable Disease Control/ environmental Classification and levels of prevention and preventive measures in Public Health Law. Food Law .Finally it deals with the Health of high risk groups.</p>		
Quality Assurance Control	21115243	3 (3-0)
<p>This course deals with the main concepts of quality, the dimensions of quality, quality assurance designing, quality improvement and problem solving. It concentrates on the quality assurance process and the quality of sterility after sterilization of medical instruments and medical materials and the integration of quality activity in the hospital</p>		
Field Training	21115200	3 (280 training hours)
<p>This course is designed to provide the student with proper skills as a CSSD technician who will work in a hospital or a medical clinic as a final stage to train him/her to be legible to receive contaminated instruments and to sterilize them .The course will provide him/her with the proper way of how contaminated instruments are cleaned by using all the manual, and mechanical methods. Moreover, it deals with the Proper usage of PPE & cleaning chemicals & paroles. Then, the course will guide the students to how instruments are inspected after cleaning as a set and put in the proper package with the proper quality assurance technic. Finally, the course will provide the students with the skills that enable him to conduct proper machine testing (Washers, Sterilizes, etc....)</p>		

