

الخطة الدراسية لبرنامج الشهادة الجامعية المتوسطة في تخصص الإسعاف الفوري

تتكون الخطة الدراسية لبرنامج الشهادة الجامعية المتوسطة في تخصص (الإسعاف الفوري) من (72) ساعة معتمدة موزعة على النحو التالي:

عدد الساعات المعتمدة	المتطلبات	الرقم
12	متطلبات الجامعة	أولاً
18	متطلبات البرنامج	ثانياً
42	متطلبات التخصص	ثالثاً
72	المجموع	



الخطة الدراسية

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



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

Course No.	Course Title	Credit Hours	Weekly Contact Hours		Prerequisite
			Theoretical	Practical	
21113111	Emergency Medical Technical Basic	3	3	-	
21113112	Emergency Medical Technical-Basic/ Practical	2	-	6	21113111*
21113121	Pharmacology for Paramedicine	2	2	-	
21113223	Prehospital Pharmacology	2	2	-	
21113131	Introduction to Emergency Paramedicine	2	2	-	
21113133	Preparatory to Emergency Paramedicine	3	3	-	
21113141	Venous Access and Medication Administration	2	1	3	
21113151	Emergency Paramedicine1	3	3	-	
21113152	Emergency Paramedicine1/ Practical	2	-	6	21113151*
21113253	Emergency Paramedicine 2	2	2	-	21113151
21113254	Emergency Paramedicine 2/ Practical	2	-	6	21113254*
21113261	Pre-Hospital Trauma Life Support	2	2	-	
21113262	Pre-Hospital Trauma Life Support/ Practical	2	-	6	21113261*
21113171	Cardiology and Electro-Cardiographic Interpretation	3	2	3	
21113281	Medical Aspects of Hazardous Materials	2	2	-	
21113235	Dynamic of Pediatric Emergency Care	3	2	3	
21113291	Paramedic Protocol	2	2	-	
21113200	Field Training**	3	-	-	
Total		42	28	33	

* Co-Requirement

** Equivalent to 280 training hours



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

الخطة الاسترشادية

السنة الأولى					
الفصل الدراسي الثاني			الفصل الدراسي الأول		
الساعات المعتمدة	اسم المادة	رقم المادة	الساعات المعتمدة	اسم المادة	رقم المادة
3	Medical Physics	21301123	3	Arabic Language	22001101
2	Biochemistry	21301131	3	English Language	22002101
1	Biochemistry/ Practical	21301132	3	Computer Skills	21702101
3	Physiology	21102113	3	Medical Sociology	21102115
3	Islamic Culture	21901100	3	Medical terminology	20602117
3	Cardiology and Electro-Cardiographic Interpretation	21113271	3	Anatomy	21102111
3	Preparatory to Emergency	21113133			
18	المجموع		18	المجموع	

السنة الثانية					
الفصل الدراسي الثاني			الفصل الدراسي الأول		
الساعات المعتمدة	اسم المادة	رقم المادة	الساعات المعتمدة	اسم المادة	رقم المادة
2	Emergency Paramedicine 2	21113253	3	Emergency Medical Technical Basic	21113111
2	Emergency Paramedicine 2(Practice)	21113254	2	Emergency Medical Technical-Basic(Practice)	21113112
2	Pre-Hospital Trauma Life Support	21113261	3	Emergency Paramedicine 1	21113151
2	Pre-Hospital Trauma Life Support(Practice)	21113262	2	Emergency Paramedicine 1(Practice)	21113152
2	Medical Aspects of Hazardous Materials	21113281	2	Pharmacology	21113121
3	Dynamic of Pediatric Emergency Care	21113235	2	Prehospital Pharmacology	21113223
2	Paramedic protocol	21113291	2	Introduction to Emergency paramedicine	21113131
3	Field Training		2	Venous access & Medication Administration	21113141
18	المجموع		18	المجموع	

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وصف مختصر
لمواد الخطة الدراسية في تخصص الإسعاف الفوري

اسم المادة	رقم المادة	الساعات المعتمدة (نظري، عملي)
لغة عربية	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 المشرفة: قرآنية، وشعرية، وقصصية، من بينها نماذج من الأدب الأردني؛ يتوخى من قراءتها وتدوقها وتحليلها تحليلًا أدبيًا؛ تنمية الذوق الجمالي لدى الطلاب الدارسين.</p>		
لغة انجليزية	22002101	(3، 3، 0)
<p>English 1 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>		
ثقافة إسلامية	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 . 		
مهارات حاسوب	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>		
Medical Physics	21301123	3(3,0)
<p>This course is designed to acquaint the students with knowledge about forces ad 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.</p>		

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2(2,0)	21301131	Biochemistry
<p>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.</p>		
1(0,3)	21301132	Biochemistry/ Practical
<p>This course deals with performing practical applications for the different classes of biomolecules including carbohydrates, lipids and proteins.</p>		
3(3,0)	21102111	Anatomy
<p>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.</p>		
3(3,0)	21102113	Physiology
<p>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</p>		
(3,0)3	21102115	Medical Sociology
<p>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.</p>		
Medical Terminology	21102117	3 (3-0)
<p>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.</p>		
Emergency Medical Technician- Basic	21113111	3(3,0)
<p>This course is the entry level basis for Emergency Medical Services personnel. Included will be all skills necessary for the individual to provide emergency medical care at a basic life support level with an ambulance service or other specialized service This course is designed to certify a student to the level of Emergency Medical Technician-Basic who serves as the first vital link in the chain of Emergency Health Care. It is recognized that the majority of Prehospital emergency calls will be handled by the Emergency Medical Technician-Basic (EMT-B)</p>		

Emergency Medical Technician-Basic (Practice)	21113112	2(0,6)
<p>This Course of study provides a continuing solid introduction to the EMT Theory in the field of pre-hospital Emergency medical care. Emphasis is placed on recognition of Life-threatening illness or injury and providing immediate basic care until Advanced Life Support or Definitive Care is available.</p>		
Pharmacology	21113121	2(2,0)
<p>This course will present the various agents used in the treatment of a wide variety of disease processes. Characteristics of drugs, types of drug names, drug standards and legislation and enforcement agencies pertinent to the paramedic, the paramedic's responsibilities that relate to drug administration, different types of allergic reactions to drugs, and autonomic nervous system functions that may be altered with the use of drug therapy.</p>		
Prehospital Pharmacology	21113223	2(2,0)
<p>This course with an emphasis on the prehospital setting. The course presents a variety of medications according to their therapeutic application. Pertinent physiology and related diseases are also presented along with appropriate medications. Pharmacology is approached by body system (nervous system, respiratory system, cardiac system, etc.) so that the therapeutic action of drugs may be clearly understood.</p>		
Introduction to Emergency Paramedicine	21113131	2(2,0)
<p>This course will provide the student with conceptual knowledge of the Medical Responsibility to be assumed upon Program completion, Credentialing and Position Placement under Medical Direction. Medico-legal implications will be presented. The essential component of the Emergency Health Care Team, the benefits to the Jordanian people will be introduced. Illness and injury prevention, medical-legal issues and ethics will also be included.</p>		
Preparatory to Emergency Paramedicine	21113133	3(3,0)
<p>Didactic theory in Fluid Replacement and Electrolyte imbalance will be presented to be followed by artificial simulation, IV placement in-group interaction. Pathophysiologic alterations in water and electrolyte balance and their effect on body functions, effects of cellular injury on local and systemic body functions.</p>		
Venous Access & Medication Administration	21113141	2(1,3)
<p>Didactic theory in IV Fluid Replacement will be presented to be followed by artificial simulation, IV placement in-group interaction. The ability to understand venous access and to administer prescribed medications is an important part of professional paramedic practice. This course presents Lectures in IV placement in-group interaction . The ability to safely gain venous access and to administer prescribed medications is an important part of professional paramedic practice. This course presents artificial simulation, IV placement in-group interaction Clinical avenues within the college will be utilized to allow on-going IV placement opportunities.</p>		

Emergency Paramedicine I

21113151

3(3,0)

This primarily hands-on class will affirm the students' ability to demonstrate and perform Primary and Secondary Patient Assessments, and establish the detailed physical examination process. Demonstration will involve small group situational practice. Introduction of scenario-based skills performance, case presentations, critique, and Therapeutic Communications and Documentation methodology are included.

**Emergency Paramedicine I
(Practice)**

21113152

2(0,6)

This primarily hands-on class will affirm the students' ability to understand Primary and Secondary Patient Assessments, identifying Life-threatening situations and synthesizing information gathered to establish priorities in the treatment process and establish physical examination. Introduction of scenario-based skills performance, case presentations, critique, and Therapeutic Communication and documentation are topics of Instruction.

Emergency Paramedicine II

21113253

2(2,0)

This course with various medical emergencies will be presented. Description causes, complications, signs and symptoms, and prehospital management of patients with a diagnosis of: obstructive airway disease, pneumonia, adult respiratory distress syndrome, pulmonary thromboembolism, upper respiratory. Discussion risk factors and prevention strategies associated with cardiovascular disease and Describe prehospital assessment and management of patients with selected cardiovascular disorders based on knowledge of the pathophysiology of the illness, neurological disorders, disorders of the thyroid gland and Cushing's syndrome and Addison's disease, Identifying allergens associated with anaphylaxis, gastrointestinal (GI) disorders, signs and symptoms of renal failure, hematologic disorders, emergencies and high-altitude illness, and components of a behavioral emergency.

**Emergency Paramedicine II -
(Practice)**

21113254

2(0,6)

This course will demonstrate various medical emergencies with physical exam findings demonstrated interactively thru hands-on situational exercises. Case presentations will be significant demonstrations and will exercise skills and knowledge of differing styles in reporting of clinical information both in verbal and written forms. Patient Demographics in relation to common disease processes will be included along with Childbirth and OB/GYN emergencies, Infectious Disease and Blood-borne Pathogens. Diabetes Mellitus, Congenital abnormalities and chromosomal malformations will be included in this course, Assessment Based Management, clinical Decision-making.

Pre-Hospital Trauma Life Support

21113261

2(2,0)

Principles of Trauma Assessment and treatment priorities will be explored in this course. Kinematics of Trauma, Injury Prevention, Mass Casualty Incidents (MCI), Military Medicine and Special considerations for Elderly and Pediatric populations will be guided by recognized Standards.

Pre-Hospital Trauma Life Support(Practice)

21113262

2(0,6)

Trauma assessment and treatment priorities are essential skills to be learned through individual and small group practice. Scenarios will be executed and group critique will enhance the Learners' knowledge. Additionally, assignments in writing scenarios and evaluation techniques will be mandatory. Skills will be actively pursued in varying situations and environmental conditions.

This specialty program will emphasize the rapid assessment and life-threatening interventional skills in a scenario based venue. Critical thinking skills will be sharpened by practical scenarios conducted in out-of-hospital settings. Alternative Invasive techniques such as Cricothyrotomy, Pericardiocentesis, Needle Thorocostomy and Chest Tube placement will be introduced. Basic Radiographic interpretation of trauma related injuries will be presented with identification of common fracture sites associated with varying mechanisms of injury, cervical compromise, Endotracheal Intubation verification as well as pneumo-, hemo-pneumo and atelectasis recognition. Specific Specialized Rescue situations will be addressed. Burns, Hypothermia and Hyperthermia treatment modalities will be included in this course.

Paramedic Protocol

21113291

2(2,0)

This intensive study program will focus on the analysis of Medical Protocols, with a thorough emphasis on 'Standing Orders vs. Protocol' utilization. Medical Direction capabilities on-line, off-line and medical communications will be the focus.

Dynamics of Pediatric Emergency Care

21113235

3(2,3)

This course is designed to provide a well-rounded knowledge base in the care of Pediatric patients. Life span development and specific age-related illnesses and injuries will be highlighted. Anatomical differences in the Neonate, Child and Teenager will be reviewed to support alternative techniques in Assessment and Medical Management. In addition to that This course is designed to provide a clinical base in which to care for Pediatric patients. Clinical sites within hospitals will include all available Pediatric Units. Pediatric Advanced Life Support (PALS) will be provided.

Medical Aspects of Hazardous Materials

21113281

2(2,0)

Hazardous Material and their risks. Identification of Hazardous Materials and related problems, precautions in approaching the contaminated patient, protective clothing, decontamination, and management of selected hazards.

Cardiology and Electro-Cardiographic Interpretation

21113171

3(2,3)

This Course is designed to instruct the student in Basic ECG Interpretation. Cardiac function, electrophysiology, conduction disturbances, treatment and Resuscitation modalities will highlight this course. Impaired cardiovascular function resulting in life-threatening arrhythmias will be the focus and will be the preparatory basis for the concurrent clinical component. Also, Skills Lab will continue with the foundations provided by Cardiology Theory and will include situational formats, scenarios, Individual and Team discussions. Code Team formation and utilization, Leadership in the therapeutic management of Cardiac compromise is core content to be achieved. Content and Examinations will be derived from accepted Standards: Advanced Cardiac Life Support Program.

Field Training

21113200

3 (280 training hours)

This field training course provide an opportunity to develop and apply clinical knowledge and skills to the actual treatment of emergency patients. As students are instructed in the theoretical practice of emergency medicine, they participate in various supervised clinical experiences. These experiences are designed to refine the skills involved in patient care. During field training, students have an opportunity to rotate through RMS hospitals. The field training enables students to apply their knowledge and clinical skills in the out-of-hospital environment. Students are assigned an experienced paramedic who will serve as a preceptor and mentor during each term.

