



## خطة تخصص التخدير والإنعاش

المهن الطبية المساندة	البرنامج
التخدير والإنعاش	التخصص

## تفصيل ساعات التخصص

الساعات المطلوبة	المتطلبات	تسلسل
16	متطلبات الكلية	أولا
26	متطلبات البرنامج	ثانيا
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79		المجموع



أولاً: مساقات الكلية: (16) ساعة معتمدة، كما يلي:

متطلب سابق	الساعات الأسبوعية		الساعات المعتمدة	اسم المساق	رقم المساق
	عملي	نظري			
-	-	3	3	دراسات في الفكر العربي الإسلامي	0010003
-	-	3	3	اللغة الإنجليزية	0010002
-	1	-	1	النشاط الرياضي	0010005
-	-	3	3	اللغة العربية	0010001
-	-	3	3	مقدمة في الحاسوب الآلي	0010006
-	-	3	3	التنمية في الوطن العربي	0010004
	1	15	16	المجموع	



ثانياً: مساقات البرنامج: (26) ساعة معتمدة، كما يلي:

متطلب سابق	الساعات الأسبوعية		الساعات المعتمدة	اسم المساق	رقم المساق
	عملي	نظري			
	-	2	2	علم وظائف الاعضاء	0103167
	-	2	2	علم الامراض	0103170
	-	3	3	كيمياء حيوية	0103175
	-	2	2	فيزياء طبية	0103177
	-	2	2	بحث علمي	0103195
	-	2	2	تشريح انسان	0103166
	-	3	3	كيمياء عضوية	0103165
	-	2	2	لغة انجليزية طبية	0101135
	-	2	2	احياء دقيقة	0101105
	-	2	2	صحة عامة	0101075
	-	2	2	علم الادوية (1)	0104210
	-	2	2	اساسيات تمريض علمي	0104208
			26	المجموع	



ثالثاً: مساقات التخصص: (37) ساعة معتمدة، كما يلي:

رقم المساق	اسم المساق	الساعات المعتمدة	الساعات الأسبوعية		متطلب سابق
			نظري	عملي	
0104209	علم وظائف الاعضاء التطبيقي	2	2	-	0104201
0104207	عناية مركزة	2	2	-	
0104206	فيزياء التخدير	2	2	-	0104199
0104231	امراض باطنية	2	2	-	
0104197	مقدمة التخدير والانعاش	3	3	-	
0104212	طرق الانعاش	2	2	-	
0104213	تعقيم الادوات	2	2	-	
0104216	طرق التخدير الموضعي	2	2	-	
0104217	اخطار في غرفة العمليات	2	2	-	
0104218	مراحل التخدير	2	2	-	
0104220	ادوية التخدير(2)	2	2	-	0104210
0104221	علاج الالم	2	2	-	
0104222	اجهزة التخدير والانعاش	2	2	-	
0104223	تدريب ميداني (1)	3	2	3	
0104226	التخدير والاصابات	2	2	-	
0104227	تخدير خاص	2	2	-	
0104230	تدريب ميداني (2)	3	-	3	
المجموع		37			



## الخطة الاسترشادية

السنة الأولى					
الفصل الثاني			الفصل الأول		
ساعات معتمدة	اسم المساق	رقم المساق	ساعات معتمدة	اسم المساق	رقم المساق
2	فيزياء التخمير	0104206	3	مقدمة التخمير والإنعاش	0104197
2	عناية مركزة	0104207	2	صحة عامة	0101075
2	اساسيات تمريض عملي	0104208	2	فيزياء طبية	0103177
2	علم وظائف الأعضاء التطبيقي	0104209	2	لغة انجليزية طبية	0101135
2	علم الأدوية (1)	0104210	2	علم وظائف الأعضاء	0103167
3	مبادئ تجارب في الكيمياء الحيوية	0103175	2	احياء دقيقة	0101105
2	طرق التخمير الموضعي	0104216	3	كيمياء عضوية	0103165
2	تعقيم الأدوات	0104213	2	تشريح انسان	0103166
<b>17</b>			<b>18</b>	<b>المجموع</b>	



السنة الأولى		
الفصل الصيفي		
ساعات معتمدة	اسم المساق	رقم المساق
3	اللغة الإنجليزية	0010002
2	علم الأمراض	0103170
3	مقدمة في الحاسوب الآلي	0010006
8	المجموع	

السنة الثانية					
الفصل الثاني			الفصل الأول		
ساعات معتمدة	اسم المساق	رقم المساق	ساعات معتمدة	اسم المساق	رقم المساق
2	بحث علمي	0102195	2	طرق الإنعاش	0104212
2	تخدير الإصابات	0104226	2	اخطار في غرفة العمليات	0104217
2	تخدير خاص	0104227	2	مراحل التخدير	0104218
3	تدريب ميداني 2	0104230	2	ادوية التخدير (2)	0104220
3	اللغة العربية	0010001	2	علاج الألم	0104221
1	النشاط الرياضي	0010005	2	اجهزة التخدير ولأنعاش	0104222
3	تنمية في الوطن العربي	0010004	3	تدريب ميداني 1	0104223
2	أمراض باطنية	0104231	3	دراسات في الفكر العربي الإسلامي	0010003
18	المجموع		18	المجموع	





## Description for Anesthesia & Reanimation Courses

### ❖ 0010004 التنمية في الوطن العربي (3 ساعات)

إن المساق الموجه إلى طلبة الكلية في تخصصاتهم المختلفة يهدف إلى توضيح مفهوم التنمية وواقعها وأهميتها للوطن العربي، من جوانب مختلفة، اجتماعية، اقتصادية، علمية، ثقافية، سياسية، وغيرها، ودراسة المشكلات والمعوقات الداخلية والخارجية التي تعترض برامج التنمية في الوطن العربي ولاسيما في فلسطين وسبل مواجهتها والتغلب عليها.

### ❖ 0010001 اللغة العربية (3 ساعات)

تنمية مهارات اللغة العربية الأساسية وتطويرها: بناء الجملة والعبارة بناء سليماً خالياً من الأخطاء النحوية، الكتابة الخالية من الأخطاء الإملائية، استخدام المعاجم الشاملة والمتخصصة، التركيز في المعاجم اللغوية الشاملة على مدرستين معجميتين: مدرسة الباب والفصل والمدرسة الحديثة، المعاجم المتخصصة، تلخيص النصوص المختلفة مسموعة أو مقروءة تلخيصاً وافياً بالغرض.

### ❖ 0010002 اللغة الانجليزية (3 ساعات)

يركز هذا المساق على تطوير مهارات القراءة والكتابة للطلبة الذين يستخدمون اللغة الإنجليزية في دراستهم، ويتم تدريب الطلبة على تقنيات القراءة المختلفة مثل القراءة السريعة لاستخلاص الأفكار الرئيسية والقراءة المتفحصية للاستيعاب والقيام بالاستنتاجات والتعرف على المفردات من خلال السياق، وذلك عن طريق تحليل النصوص القصيرة المكتوبة والتي غالباً ما تكون نصوصاً أكاديمية وغير أدبية.

### ❖ 0010006 مقدمة في علم الحاسوب (3 ساعات)

مكونات الحاسوب (المادية والبرمجية)، خصوصيات الحاسوب، أمن وفيروسات الحاسوب، البرامج الجاهزة (ويندوز، ميكروسوفت، وورد، ميكروسوفت اكسل، ميكروسوفت بوربوينت) مقدمة في الإنترنت تطبيقات الإنترنت.

### ❖ 0010005 دراسات في الفكر العربي والاسلامي (3 ساعات)

يهدف هذا المساق إلى تعريف الطالب بالفكر العربي والاسلامي من حيث أسسه ومقاصده وتعميق الإيمان بالإسلام عنده عقيدة وشرعاً ونظام حياة وإن يدرك الصلة الوثيقة بين العرب والاسلام وبين دور العرب في حمل رسالته وفضل الاسلام على العرب والانسانية وكذلك ان يتعرف الطالب ويلم بالأنظمة الاسلامية في جوانبها التطبيقية ويتعرف على خصائص الحضارة الاسلامية وما يميزها عن غيرها من الحضارات



❖ **0103166 Human Anatomy (2 Credits Hours)**

This 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.

❖ **0103167 General Physiology (2 Credits Hours)**

This course 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.

❖ **0104209 Applied Physiology (2 Credits Hours)**

This course provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary system and Integrates basic physiologic principles with clinical anesthesia management regimes. Designed to formulate approaches to anesthesia nursing management in the presence of common pathophysiologic conditions.

❖ **0103175 Bio Chemistry (3 Credits Hours)**

An integrated function of the human body considered ranging widely from cellular to higher organ-system levels. This course will cover the molecular composition of living cells, the chemical reactions that biological components undergo the regulation of these reactions and the nutrients that needed by the living cells. The course material covers bioenergetics and intermediary metabolism of carbohydrates, lipids and proteins and their enzymatic regulation. A fundamental biological and medical science course provides an understanding to cell biology, microbiology, nutrition, pharmacology, pathology and physiology at the molecular level.





### ❖ 0101135 Medical English (2 Credits Hours)

This course 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.

### ❖ 0103165 Organic Chemistry (3 Credits Hours)

This course is about fundamental concepts of nomenclature, formulae, preparation and properties of organic compounds. Modern electronic and molecular orbital theories introduced. Laboratory experiments illustrate properties and preparation of organic compounds and understanding of fundamental principles developed in General Chemistry, including descriptions of chemical bonding, the significance and quantitative analysis of chemical thermodynamics, chemical kinetics including reaction rate expressions, properties of gases and solutions, descriptions of acidity and basicity, chemical equilibria, and the chemistry of oxidation and reduction processes.

### ❖ 0103177 Medical Physics (2 Credits Hours)

A practical introduction to key physical principles as applied to medical imaging and radiation therapy. Topics covered include imaging metrics, ionizing radiation and radiation safety, radioactivity, radiation therapy, computed tomography, nuclear medicine, ultrasound, and magnetic resonance imaging.

### ❖ 0104213 Cleaning and Sterilization of Anesthetic Equipment (2 Credits Hours)

Bring up what known (practiced) about decontamination, disinfection, and sterilization of anesthetic equipment. It also discusses how this evidence-based information on infection prevention and control impacts care of patient in routine anesthesia practice.



❖ **0101105 Micro Biology (2 Credits Hours)**

This course covers principles of microbiology with emphasis on microorganisms and human disease. Topics include an overview of microbiology and aspects of medical microbiology, identification and control of pathogens, disease transmission, host resistance, and immunity.

❖ **0104217 Hazards in Operating Room (2 Credits Hours)**

This course aims to identify hazards present in operating rooms and to list actions that can take to minimize these hazards.

❖ **0104222 Anesthesia Instruments (2 Credits Hours)**

This course provides the anesthesia assistant technician student with basic knowledge regarding Anesthesia Instruments. The course will concentrate on introducing these instruments to the student. It also concentrates on the way such instruments are built and their application in daily clinical practice. It also explains the way such instruments are maintained and how to make them ready to use.

❖ **0101075 Public Health (2 Credits Hours)**

This course deals with the dimensions of personal and environmental health and their relationship to social, economic, psychological and political factors, measurements and indices of community health status. Theoretical framework for viewing organizational issues in the delivery of health services is also discussed.

❖ **0104206 Anesthesia Physics (2 Credits Hours)**

This course provides the anesthesia assistant technician student with basic knowledge regarding physics related to Anesthesia. The course will concentrate on the Gas laws, Fluid mechanics, and conditions regarding the gas exchange across lungs and the physical principles that control it. It also concentrates on how some of the machines operate like monitors in OR. It also gives some emphasis on the dangers encountered in OR and how to handle them.



### ❖ 0104208 Basics in Nursing Care (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding nursing care of the surgical patients. The course will concentrate on the contents, personnel, and conditions regarding the care of surgical patients in the evening of the operation and on the next morning until the patient once again in the floor. Sterilization techniques mentioned here also.

### ❖ 0104218 Stages of Anesthesia (2 Credits Hours)

This course describes profoundly the stages of anesthesia; starting with pre-anesthetic visit to premedication, to induction, maintenances of anesthesia and recovery, also will cover the anesthetic care of postoperative period.

### ❖ 0104212 Cardiopulmonary Resuscitation Methods (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding PR. The course will concentrate on the various steps governing CPR weather basic life support or advance one; it also explains the role of certain medications in the process of CPR. It also defines some of the conditions that need immediate concern and explains the neonatal resuscitation.

### ❖ 0104197 Introduction to Anesthesia (3 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding General Anesthesia. The course will concentrate on the preoperative evaluation and the three stages of anesthetic intervention, namely the induction, the maintenance and the emergence periods and finally the role of PACU in OR.

### ❖ 0104227 Subspecialized Anesthesia (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding General anesthesia for various conditions. The course will also concentrate on the complication encountered with each system it also mention some of the conditions that affect general anesthesia such as alcoholism, obesity and burns.



### ❖ 0104210 Pharmacology (2 Credits Hours)

This course describes the general principles of pharmacology, including pharmacokinetics and pharmacodynamics of drugs in general, especially the drugs related to anesthesia, and ICU. It describes the pharmacokinetics of drug in special patient categories such as obese patients, pregnant women, premature infants, neonates and pediatrics. Finally, it describes the various classes of drugs acting on all systems of the body with special concern of anesthetic agents and groups.

### ❖ 0104220 Pharmacology for Anesthesia (2 Credits Hours)

This course provides the anesthesia student with basic information regarding the anesthetic drugs starting from a brief historical background, defining, their pharmacokinetics and pharmacodynamics. It also introduces the student to the various groups of anesthetics drugs and their mechanism of action, their side effects and the role of the anesthesia assistant technician in the process of medication administration. Moreover, it puts emphasis on the drugs given pre, intra and postoperatively. It explains why such drugs are given and clarifies the role of the anesthesia assistant technician in the process of medication administration.

### ❖ 0104207 Intensive Care (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding Intensive Care Unit. The course will concentrate on the contents, personnel, and conditions regarding the control of ICU atmosphere, Instruments and with special emphasis on hazards encountered in ICU. It also defines some of the medical conditions that need ICU admission.

### ❖ 0104231 Internal Medicine (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic information regarding the medical disease. The course will concentrate on the concepts, rules, and regulations controlling the way to handle medical diseases pre, intra and postoperatively.





### ❖ 0104216 Local & Regional Anesthesia (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding local & regional anesthesia. The course will concentrate on the concepts, rules, and regulations controlling local & regional anesthesia and the use of medications in addition to managing the anesthesia tools and controlling. Patient's factors and the role of the anesthesia assistant technician in the process of instruments knowledge and preparations.

### ❖ 0104221 Pain Management (2 Credits Hours)

This course provides the anesthesia assistant technician student with basic knowledge regarding causes of acute pain and chronic pain and the ways to treat them also it mentions the postoperative pain causes and management. It also emphasizes the labor pain and the way to deal with it.

### ❖ 0103170 Pathology (2 Credits Hours)

This course focuses on the physiological changes that occur due to external and internal environmental stresses, pathological processes and the response that produces signs and symptoms. The content based on common health problems, including special health needs of children and the elderly. The student will explore a variety of concepts in pathology, which will utilized in decision-making, and actions related to other anesthesia technician student courses

### ❖ 0104226 Anesthesia and Trauma (2 Credits Hours)

This course presents an overview of important areas of trauma care for the anesthesiologist. Initial approach to an injured patient, followed by discussions of emergency airway management, fluid volume resuscitation, and care of patients with central nervous system (CNS) injuries. Orthopedic and reconstructive surgery patients and Postoperative and critical care issues for the trauma anesthesiologist.





### ❖ 0104223 Field Training (1) (3 Credits Hours)

This course provides the Anesthesia and Recovery students with basic training regarding occupational ethics, operation rooms annexes, importance of sterilization, how to deal with special instruments, and patient reception and supervision before Anesthesia. Moreover, it provides the students with the knowledge regarding medical history & patient preparation and the way to deal with him on operation table. The course will concentrate on the student practical training, especially on giving drugs, clinical observation, instruments control, filling anesthesia forms and the surgeries name in common and their emergency diagnosis.

### ❖ 0104230 Field Training (2) (3 Credits Hours)

This course aims at training students on the supervising of the Trachea and tabulation, to be able later on to manage doing Vino–Catheterization. It also concentrates on the training students on how patient recovery done, mostly on the ideal supervision after surgery, and how to transfer patient to I.C.U. Moreover, this course will provide the student with the knowledge on checking the readiness of the instruments of anesthesia and the control of these instruments while working on patient.

### ❖ 0103195 Research Methods (2 Credits Hours)

The main purpose of this class is to provide you with a broad introduction to the methodological foundations and tools to study mass communications. However, a secondary purpose is to convince you that the process of scientific discovery can be fun. Most of the semester will focus on the fundamentals of quantitative social science and applied research, although we will also explore qualitative research. You will learn how to identify problems to study, develop hypotheses and research questions, specify independent and dependent variables check for the validity and reliability of studies and design research projects. You will exposed to the broad range of designs used in communication research from laboratory and field experiments, surveys, content analysis, focus groups and in-depth interviewing.