

Course Description Anesthetic Equipment 2

Course Description

General Objective	Introducing the student to the Anesthetic Equipment and use it.
Special Objective	1.The student should be familiar with anesthesia devices 2.To know how to operate and work 3.To be able to maintain it.

.1.Educational institution	Iraqi Al Ain University / College of Health / and Medical Technologies
.2.Scientific Department / Center	Department of Anesthesia Techniques
3.Course Name/Code	Anesthetic Equipment
.4.Available Attendance Forms	Weekly (theoretical + practical)
.5.Semester / Year	Annual
6. .Number of Credit Hours (Total)	210
.7.The history of preparation of this description	2023
.8.Course Objectives:	
1.The student should be familiar with anesthesia devices 2..To know how to operate and work 3.To be able to maintain it.	

.10Course Outcomes and Methods of Teaching, Learning and Assessment
A- Cognitive objectives
1.The student understands the types of anesthesia devices used in operating theaters and intensive care 2- The student learns about the types of devices available, the differences between them, their operation and maintenance.
B - Skills objectives of the course.
Be able to deal with anesthesia and intensive care equipment
Teaching and learning methods
1- Lecture 2- Practical laboratory application 3- Seminar 4- Research Project 5- Educational Films 6- Blackboard 7- E-learning.
Evaluation methods
1- Oral exams 2- Quarterly Exams 3- Daily Assessment

4- Written tests
5- Reports
C. Emotional and value goals
C1- Collaborate with the rest of the students in understanding any topic
C2- He loves the lesson and attends.
C3- Its interaction with the anatomy material.
C4- Refrain from interrupting the rest of the students during the discussion of any topic.
Teaching and learning methods
1- Field visits to hospitals.
2- Summer training.
Evaluation methods
1. Oral tests 2. Written tests 3. Practical practices
D. General and rehabilitative skills transferred (other skills related to employability and personal development).
D1. Measures blood pressure by means of a blood pressure monitor
D2. Turn on Anesthetic machine and maintain it.
D3. Able to monitoring patient.

11.Course Structure					
The week	Hours	Required Learning Outcomes	The name of the unit and/or topic. *Theoretical. .**Practical	Method of education	Evaluation method
.1	2	Understands weekly vocabulary in detail	Breathing system and their component, definition, classification, working principle	Lecture and Practical application	Oral test
.2	2	=	Breathing system and their component, definition, classification, working principle	Lecture and Practical application	=
.3	2	=	Airway management device: artificial ,airway, face mask	=	=
.4	2	=	Airway management device: artificial ,airway, face mask	==	=
.5	2	=	Laryngoscope, aids to intubation, emergency airway	=	=
.6	2	=	Laryngoscope, aids to intubation, emergency airway	=	=
.7	2	=	Anesthesia ventilator, principle of working and type of ventilator	=	=
.8	2	=	Anesthesia ventilator,	=	=

			principle of working and type of ventilator		
.9	2	=	Humidifier and nebulizer: definition, importance of humidification	=	=
.10	2	=	Humidifier and nebulizer: definition, importance of humidification	=	Written Test
.11	2	=	ventilator, suction equipments Equipment for pediatric anesthesia, ,special equipment	=	=
.12	2	=	ventilator, suction equipments Equipment for pediatric anesthesia, ,special equipment	=	=
.13	2	=	Equipment for local analgesia: spinal, epidural, and major nerve block	=	=
.14	2	=	ventilator, suction equipments Equipment for pediatric anesthesia, ,special equipment	=	=
.15	2	=	ventilator, suction equipments Equipment for pediatric anesthesia, ,special equipment	=	=
.16	2	=	Airway management device: artificial ,airway, face mask	=	=
.17	2	=	Laryngoscope, aids to intubation, emergency airway	=	=
.18	2	=	Laryngoscope, aids to intubation, emergency airway	=	=
.19	2	=	Anesthesia ventilator, principle of working and type of	=	=
.20	2	=	Anesthesia ventilator, principle of working and type of	=	=
.21	2	=	Anesthesia ventilator,	=	=

			principle of working and type of		
.22	2	=	Humidifier and nebulizer: definition, importance of	=	=
.23	2	=	Humidifier and nebulizer: definition, importance of	=	=
.24	2	=	monitoring, classification of monitoring equipment	=	=
.25	2	=	monitoring, classification of monitoring equipment	=	=
.26	2	=	Defibrillator	=	=
.27	2	=	Defibrillator	=	=
.28	2	=	ECG and temperature monitoring equipment	=	=
.29	2	=	ECG and temperature monitoring equipment	=	=
.30	2	=	Monitoring of blood pressure, invasive and ,non- invasive	=	=

.12Infrastructure	
1. Required textbooks	Anesthesia Equipment 2 nd edition
2 Main references (sources	Fundamentals of Anesthesia 4 th Edition Textbook of Anesthesia Equipment

.13Course Development Plan
Benefiting from the experiences of educational institutions to review the relevant authorities and know their opinions about the curriculum

Course Description Foundation Of Surgery2

Course Description

Overall goal Study and identify the close relationship between the subject of foundations of surgery and its close connection to the study of anesthesia and intensive care, and benefit from the study of diseases, surgical interventions and complications that occur after surgical operations, and the role of anesthesia in helping the surgeon avoid these problems.

Special objective:

Own target Teaching the student the changes and applications of pathology related to the subject of surgery, common medical and surgical conditions, surgical methods, and how to deal with them.

1. The educational institution

1. The educational institution	Al Ain University
2. Scientific Department / Center	Anesthesia techniques
3. Name / course code	Foundations of surgery 2
4. Available forms of attendance	100%
5. Class/year	Annual
6. Number of study hours (total)	150
7. Date of preparation of this description	25/3/2024
8. The objectives of the course	
1. That the student understands his role and responsibilities in providing anesthesia care 2. Educate the student about the different devices in the operating rooms Intensive care units 3. Knowledge of the main features of this equipment 4. Knowledge of the performance of these devices during or during anesthesia Provision of surveillance care in intensive care units	

10. Course outputs and methods of teaching, learning and evaluation

A. Knowledge goals

A1- The student understands the basic principles of surgery.

A2- The student understands the diseases, their causes and how to prevent and treat them.

B. The skills objectives of the course.

B1 - Gaining a skill in knowing the causes of the disease

B2 - Providing a skill in preventing diseases and helping to treat them under the supervision of a doctor

B3 - Gaining a skill in distinguishing between internal and surgical diseases

Methods of teaching and learning:
Interactive Electronic Video
Methods of evaluation:
Conducting exams, periodic questions, oral exam, observation, homework, laboratory reports.
C. Emorative and value goals C1- He is convinced of the importance of the specialization he studies. C2- He appreciates the effort of teachers and technicians in giving the scientific material. C3- Student groups participate in group work. C4- He respects sincerity at work and hates cheating.
Methods of teaching and learning:
The method of lecture, discussion, and student research in an interactive, electronic and video way.
Methods of evaluation:
Discussion, observation, group tasks.
D. Transferred general and qualifying skills (other skills related to employability and personal development).

<u>Third</u>	stage		Surgery (2)	Subject name	Anesthesia	Department or branch
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Theoretical vocabulary					
<u>Week</u>	<u>hours</u>	<u>Details of vocabulary</u>	<u>Learning way</u>	<u>Evaluated way</u>	
First	4	Digestive Tract (GIT) General Review & Surgical Approaches	lecture	Daily evaluated	
Second	=	Salivary glands	Data show	Semester exam	
Third	=	Tongue & oral cavity	Practical	Final exam	
Fourth	=	Oesophagus	Seminar	Report	
Fifth	=	Stomach & duodenum			
Sixth	=	Liver			
Seventh	=	Gall bladder & bile ducts			
Eighth	=	Spleen & pancreas			
Ninth	=	Small & large intestine			
Tenth	=	Intestinal obstruction & fistula			
Eleventh	=	Vermiform appendix , peritoneum			
Twelveth	=	Rectum & anus			
thirteenth	=	Abdominal wall & Hernia			
fourteenth	=	Breast			
fifteenth	=	Urinary tract: surgical anatomy, Congenital anomalies, Investigations			
sixteenth	=	Trauma to the: Kidneys,			

seventeenth	=	Hydronephrosis , Urinary stones		
eighteenth	=	Urinary Tract Infections (UTI)		
Nineteenth	=	Urination Disorders		
Twenty	=	Urinary tumours.		
Twenty first	=	Urogenital Tract in Males: Prostate, Testis, Penis		
Twenty second	=	Thorax surgery: Respiratory Pathophysiology & General review		
Twenty third	=	Trauma to thorax: Rib Fractures, Flail Chest		
Twenty fourth	=	Pneumothorax, Haemothorax		
Twenty fifth	=	Pleural Effusion,Empyema		
Twenty sixth	=	Chest tube: Applications & Management		
Twenty seventh		Lung tumours, Mediastina masses		
Twenty eighth		Types of Thoracic operations		
Twenty ninth		Congenital heart diseases, Acquired heart diseases		
Thirty		Cardiopulmonary resuscitation		

10. Infrastructure		
Required reading: ·CORE TEXTS ·COURSE MATERIALS ·OTHER		1- The require schedule The American Journal of Surgery Electronic teaching improvement lectures(new methods of circumcision)
Special requirements (include for example workshops, periodicals, IT software, websites)		
Community-based facilities (include for example, guest Lectures , internship , field studies)		
Oxford handbook of clinical surgery 4th edition Bailey and Love Short practice in surgery		2- The main reference (source)

12. Course development plan

The curriculum development plan is based on Mayati:

- Giving the prescribed scientific material and observing and analyzing the results of students.
- Studying feedback from students' observations on vocabulary.
- Study the practical laboratory observations of the course.
- Comparing the current vocabulary with the vocabulary of the corresponding colleges in the field

TEMPLATE FOR COURSE SPECIFICATION IN ICU 1

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programmer specification.

1. Teaching Institution	AL-AYEN IRAQI UNIVERSITY
2. University Department/Centre	Collage of health and medical science Anesthesia technology department
3. Course title/code	Intensive care technology (1)
4. Name(s) of lecturer(s)	Ass. Lect. Hussein Ali Hussein
5. Modes of Attendance offered	Attendance / 4 hours per week
6. Semester/Year	2023 – 2024
7. Number of hours tuition (total)	210 hours
8. Date of production/revision of this specification	05/11/2023

9. Aims of the Course

B - The skills objectives of the course.

At the end of the year the student will be able to:

- 1- Introducing the student to the various types and units of intensive care and the most important medical supplies they contain.
- 2- Knowing the most important medical cases admitted to intensive care units.
- 3- Operating and monitoring the devices and their suitability for the patient while the patient is in the intensive care unit.
- 4- Monitoring the devices while they are connected to the patient and the extent of the patient's response
- 5- Skills about the devices used to maintain the patient's airway
- 6- Introducing students to common treatments in intensive care units
- 7- Introducing students to the various monitoring systems in intensive care units
- 8- Introducing students to the possible and most common complications that occur in intensive care
- 9- Introducing students to mechanical ventilation devices and their use according to the medical condition
- 10- Introducing students to emergency medications used in the intensive care unit
- 11- Introducing the student to how to resuscitate a patient in an emergency in the intensive care unit

10. Learning Outcomes, Teaching ,Learning and Assessment Methods

A- Cognitive goals

A1- Introducing the student to the principles of management in intensive care unit.

A2- Focus on the intensive care unit monitoring equipment's and its use and maintenance.

B. Subject-specific skills

B1 - A practical application of scientific subjects.

B2 – Developing the students skills and acquiring the skill of preparing scientific reports.

Teaching and Learning Methods

- 1.The power point and data show demo method and the live broadcast program meet
- 2.The exercises and activities in the classroom and their discussion.
- 3.Homework and homework preparation.

Assessment methods

- C 1-. Weekly and monthly exams (quizzes).
- C2- Discussion tests.
- C3- Group tests
- C 3- Encouraging commitment and discipline.
- C4 – Mid –year and end of year exams.

Teaching and Learning Methods

1. The power point, demo method and the live broadcast program meet.
2. The exercises and activities in the classroom and their discussion.
3. Interrogation.
4. Homework and homework preparation.

Assessment methods

1. Weekly exams (quizzes)
2. Classroom and homework assignments to know the student's knowledge base.
3. Discussion test
- 4- Group tests

4. Mid-year and end-of-year exams.

D. General and Transferable Skills (other skills relevant to employability and personal development)

D 1- General scientific preparation

D2 - Practical preparation for the profession of graduates

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	6 hours	Introduce students to principles of ICU	ICU unit Types and its goals	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
2	6 hours	Introduce students to the principles of ICU	Common Equipment's in ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
3	6 hours	Introduce the students to mechanical ventilation in ICU	Introduction to mechanical ventilation in ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
4	6 hours	Introduce the students to mechanical ventilation in ICU	Non-Invasive mechanical ventilation	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
5	6 hours	Introduce the students to mechanical ventilation in ICU	Invasive mechanical ventilation	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests

6	6 hours	Introduce the students to mechanical ventilation in ICU	Common parameters in ventilation setting	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
7	6 hours	Introduce the students to mechanical ventilation in ICU	Common modes of mechanical ventilation	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
8	6 hours	Introduce students to clinical management in ICU	Hypoxia and oxygen therapy	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
9	6 hours	Introduce students to clinical management in ICU	Hypoxia and its types	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
10	6 hours	Introduce students to clinical management in ICU	Low flow oxygen delivery	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
11	6 hours	Introduce students to clinical management in ICU	High flow oxygen delivery	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
12	6 hours	Introduce students to special complications in ICU	Thrombo-embolism (DVT)	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
13	6 hours	Introduce students to special complications in ICU	Thrombo-embolism (DVT)	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
14	6 hours	Introduce students to special complications in ICU	Thrombo-embolism (DVT)	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
15	6 hours	Introduce students to special complications in ICU	Pneumo-thorax In ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests

16	6 hours	Introduce students to special complications in ICU	Pneumo-thorax In ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
17	6 hours	Introducing the students to special complications in ICU	Tension Pneumo-thorax	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
18	6 hours	Introducing the students to special complications in ICU	Stress ulcer	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
19	6 hours	Introduce the students Disease of Respiratory system	COPD	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
20	6 hours	Introduce the students Monitoring of mechanical ventilation	PEEP PIP VS Pplat	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
21	6 hours	Introduce the students Monitoring of mechanical ventilation	PEEP PIP VS Pplat	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
22	6 hours	Introduce the students Monitoring of mechanical ventilation	PEEP PIP VS Pplat	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
23	6 hours	Introduce the students Disease of Nervous system	Head trauma	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
24	6 hours	Introduce the students Disease of Nervous system	Head trauma	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
25	6 hours	Introduce the students to blood transfusion	Blood	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests

26	6 hours	Introduce the students to blood transfusion	Blood transfusion Definition ,purpose and complications of blood transfusion	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
27	6 hours	Introduce the students to invasive monitoring	Central venous pressure (CVP)	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
28	6 hours	Introduce the students to invasive monitoring	Direct Arterial Blood Pressure Measurement	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
29	6 hours	Introduce students to intravenous fluid therapy	Fluid therapy in ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
30	6 hours	Introduce the students to general monitoring	Patient's monitoring in ICU	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests

12. Infrastructure

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1. Morgan and Mikhail's clinical anesthesiology 6th edition (McGraw 2018) 2. Manual ICU therapy (3rd Edition) 3. Textbook of critical care – Jean-Louis Vincent; Frederick Moore (7th edition)
Special requirements (include for example workshops, periodicals, IT software, websites)	Internet sites (Google and YouTube) and means of communication in the field

Community-based facilities (include for example, guest Lectures , internship , field studies)	Scientific journals, periodicals and research within the specialty The quarterly and annual reports
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13. Admissions	
Pre-requisites	1. Rely on modern sources of books and references 2. Development of academic content by deletion, addition and replacement 3. Using modern teaching methods according to the nature of the subject and the level of learners from time to time 4. Follow up on the new technologies developed in this field and add them to the description of this course 5. Establishing extracurricular activities related to the subject to motivate students to learn. 6. Making educational videos that explain how it works
Minimum number of students	
Maximum number of students	

(Internal Medicine (2 Course description

Course description

:Overall goal

This includes reviews of all medical diseases for all systems with extensive clinical training courses focusing on medical emergencies and how to deal with real patients .practice in

Own target

The student learns about Abu Saffar disease, its causes and types

And how to deal with it

stomach ulceration , its causes and treatment

Teaching students about the types of kidney failure, its symptoms and causes, how and knowing its complications ‘to deal with it

Prone to heart disease and stroke The heart And the slaughter Chest pain, its causes and treatment

Knowledge of heart failure and its treatment

High blood pressure, its types, symptoms and treatment

and ventricular fibrillation diseases and their treatment Heart palpitations, atrial

Lung disease Its types, symptoms, treatment and complications

pulmonary, its symptoms, treatment -Tuberculosis of all types, pulmonary and non and complications

Chronic obstructive bronchial disease

And diseases of the lung membrane

Lung tumors of all types, their symptoms, complications, and ways to prevent them

Al Ain University	1. Educational institution
Anesthesia techniques	2. Scientific department/center
(2) Internal Medicine	3. Course name/code
% 100	4. Available attendance forms
annual	5. Semester/year
150	6. Number of study hours (total)
2024	7. Date this description was prepared
8. Course objectives	
10. Course outcomes and teaching, learning and evaluation methods	
Cognitive objectives -A 1- Discussing the topic of general medicine 2-important diseases of each system in the body To be able to know the Know the most important symptoms and signs of diseases Internal medicine , 3 how to treat it and learn about it	

.of the course The skills objectives -B Discussing clinical principles in practice -1 Discussing the principles of laboratory testing in practice -2 . Discussing the principles of physical practice -3 In training . Classification of types of medical diseases -4 principles of behavior in the hospital Discussing the -5 Doing exercise . Discussing the principles of disease management -6 Discuss the art of taking history practically -7 Enabling the method of clinical examination and knowing the important signs for -8 sesdiagnosing disea
Teaching and learning methods
Interactive Electronic Video
Evaluation methods
oral exams . Observation , Conducting periodic examinations, questions, and . ‘homework
Emotional and value goals -C .specialty he is studying He is convinced of the importance of the -C1 The effort of teaching staff and technicians in providing scientific material -C2 . is appreciated . Groups of students participate in group work -C3 .He respects sincerity in work and hates cheating -C4
methods Teaching and learning
interactive, electronic and lecture method , Discussion and student research in an . manner video
Evaluation methods
. Discussion , observation , group tasks

employability Transferable general and qualifying skills (other skills related to -D
.(and personal development

<u>Third</u>	<u>academic</u> <u>year</u>	<u>Medicine (2)</u>	<u>Subject</u> <u>Name</u>	<u>Anesthesia</u>	<u>Department</u> <u>or branch</u>
Theoretical vocabulary					
<u>the week</u>	<u>Vocabulary details</u>				
the first second	Jaundice: classification, causes, clinical features, diagnosis.				
the third	Peptic ulcer Disease : Dental disease ulcer				
the fourth	Peptic ulcer Disease : Gastric ulcer				
V- VI	Renal failure: acute renal failure, chronic renal failure: clinical features, investigations and treatment.				
Seventh	Ischemic heart diseases: clinical features, diagnosis, treatment.				
VIII- Ninth	Arrhythmias: cardiac arrest.				
–Tenth eleventh	Heart failure: definition, classification, causes, precipitating factors, investigations, treatment.				
–Twelfth thirteenth	Hypertension: definition, types: primary and secondary hypertension. Complications, investigations/treatment.				
–Fourteenth fifteenth	Infections of the respiratory tract: upper respiratory tract infections. Lower respiratory tract infections: pneumonia.				
– Sixteenth seventeenth	Pulmonary TB				
–Eighteenth nineteenth	Chronic obstructive pulmonary diseases: chronic bronchitis, emphysema, asthma.				
–Twenty first–twenty	Tumors of the lung				
–Twenty	Vascular lung disease: pulmonary thromboembolism .				

–second					
third–twenty					
–fourth –Twenty	Respiratory Failure : definition , types, management.				
fifth–twenty					
sixth–twenty	Diseases of the pleura: pleural effusion: types, causes, investigation,				
	treatment				
–Twenty	Diabetes mellitus: definition/clinical features/complications/treatment.				
seventh-					
eighth–twenty					
XXIX	Cushing syndrome: diagnosis, clinical features, investigations and				
	treatment				
thirty	Disturbances of water and electrolytes.				

11.Infrastructure		
Required reading : ·CORE TEXTS ·COURSE MATERIALS ·OTHER		Required prescribed books -1 The American Journal of medicine
Special requirements (include for example workshops, periodicals, IT software, websites)		
Community-based facilities (include for example, guest Lectures, internship, field studies)		
Oxford handbook of clinical medicine 4th edition Davidson 23th edition		(Main references (sources -2

12. Course development plan
: The curriculum development plan is based on the following • prescribed scientific material and observing and analyzing the Giving the .students' results • .A feedback study from students' feedback on vocabulary • .Study the practical laboratory notes for the course • g colleges Comparing current vocabulary with the vocabulary of correspondin in the field

Course description: computer applications

Course description

General Objective:

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve.

Prove whether he has made the most of the available learning opportunities. It must be linked to the description of Program .

Special Objective:

1 Identify the operating system, its importance, and the tasks performed by computer components and accessories Application programs

And connect to the Internet and get to know the outside world.

1. Educational institution Al Ain University	Al Ain University
2. Scientific Department / Center	Anesthesia techniques
3. Course Name/Code	Calculator Applications
4.Available Attendance Forms	100%
5 . Semester / Year	annual
6. Number of Credit Hours (Total)	90
7. The history of preparation of this description	2023

8. Course Objectives
Identify the operating system, its importance, and the tasks performed by computer components and accessories Application programs And connect to the Internet and get to know the outside world.

Course Outcomes and Methods .10 of Teaching, Learning and Assessment
A- Cognitive objectives A 1 - The student should familiarize himself with modern operating systems, which are Windows 7,8,10 A2 The student should recognize the importance of operating systems and their work - A3 The application should know how to deal with Microsoft office applications - 2013,2010A 4 The application should know how to connect the calculator to the Internet C. A5 The student should know how to deal with e-mail . A6 The student should know how to search and shop online
B - Skills objectives of the course. B1 The application should deal with the computer and recognize its internal and external parts B2 The student should perform some tasks such as sending an e-mail B3 The student should deal with

office applications and create some reports to increase his skill	
B4 The student should access the Internet and learn how to search and shop.	
Electronic	
Teaching and learning methods	
Interactive Electronic Video	
Evaluation methods	
Conducting exams, periodic questions, oral exam, observation, homework, laboratory reports.	
c- Emotional and value goals Experimental thinking • Exploratory thinking • Critical thinking • Inductive thinking	
Teaching and learning methods	
The method of lecture, discussion, student research in an interactive, electronic and video way.	
Evaluation methods	
Discussion, observation, group tasks.	
11.Course Outcomes and Methods of Teach	

A- Cognitive objectives A 1 - The student should familiarize himself with the operating systems which are Windows 7,8,10 A2 The student should recognize the importance of the work - A3 The application should know how to create applications - 2013,2010A 4 The application should know how to use the calculator to the Internet C. A5 The student should know how to deal with the Internet A6 The student should know how to search the Internet	
B - Skills objectives of the course. B1 The application should deal with the internal and external parts B2 The student should perform some tasks B3 The student should deal with office applications and increase his skill B4 The student should access the Internet Electronic	
Teaching and learning methods	
Interactive Electronic Video	
Evaluation methods	
Conducting exams, periodic questions, oral questions, laboratory reports.	
C. Emotional and value goals Experimental thinking • Exploratory thinking • Critical thinking • Inductive thinking	
Teaching and learning methods	
The method of lecture, discussion, student research and video way.	

Evaluation methods	
Discussion, observation, group tasks.	
d . General and qualifying skills transferred (ot	
D1 The student should behave appropriately fr	
D2 The student must pass the professional test	
D 3 The student should develop himself after g	
D4 The student should use the available means	

Depart ment or Branc h	Anes thesi a	Materia l Name	Com puter Appli catio ns	Acade mic year	<u>Third</u>
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Theoretical vocabulary	
<u>Week</u>	<u>Vocabulary details</u>
First	SPSS statistical program concept - operation - data analysis .steps
Second	Identify the components of the main screen, enter data, save – and retrieve data, types of data (direct or calculated).
Third	- Sorting and changing data, determining the statistical procedure through the statistical topics addressed by the student in the statistics lessons. - How to insert a variable or case, merge files, analysis, (descriptive statistics
Fourth	Identify the statistical summary of the given data (summary) – and take advantage of the data provided in the exploration .((Explore) of data or reports for columns or rows (Rows)
Fifth	. (Compare Means, Correlate or Regression –
Sixth	(Conducting some non-parametric tests such as (Chi Square) –
Seventh	. (Quality c ontrol applications –

Eighth	Dealing with charts such as bar chart, pie chart, histogram, – .line graph, Scatter diagram, and others
IX-XV	:Handling orders – Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametric methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).
XVI- XIX	Encyclopedia of Humman body . - The concept of the program, its operation, identification of the components of the home screen, methods of dealing with data and search methods provided by the program, which represents a close image with the search in the World Wide Web (Internet).
20th	Identify the vocabulary of the human body and take advantage .of the presentation methods provided by
XXI- XXX	Body Works modern version that works under the (windows) environment: the concept of the program, its operation and characteristics, the components of the home screen, and to learn how to deal with the tools, menus and options it provides, and how to get the exact details. - Addressing the presentations and explanation provided by the program to various human body systems such as skeletal , nervous, muscles Etc. 1. Take advantage of the sound or pronunciation of some of the vocabulary it provides, in addition to identifying the real action movies that exist. 2. How to access the exact details it provides through the database and search index for that. 1. Addressing the health of the community through the selection of Health & Fitness , which addresses Types of foods, weight loss, calories for food, weights, first aid, numbness and others. 2. Identify the causes of mortality, births, fetal stages, sexually transmitted diseases and ways to prevent them by choosing Living . Useful options such as lessons or rapid tests that provide – an easy and quick testing tool so that the person knows his scientific level in the subjects offered by this .program

Department or Branch	Anesthesia	Material Name	Computer Applications	Academic year	<u>Third</u>
Practical vocabulary					
<u>Week</u>	<u>Vocabulary details</u>				
First	.SPSS statistical program concept - operation - data analysis steps				
Second	Identify the components of the main screen, enter data, save and – retrieve data, types of data (direct or calculated).				
Third	- Sorting and changing data, determining the statistical procedure through the statistical topics addressed by the student in the statistics lessons. - How to insert a variable or case, merge files, analysis, descriptive statistics				
Fourth	Identify the statistical summary of the given data (summary) and take – advantage of the data provided in the exploration (Explore) of data or reports for columns or rows (Rows).				
Fifth	.Compare Means, Correlate or Regression –				
Sixth	(Conducting some non-parametric tests such as (Chi Square –				
Seventh	. (Quality Control Panel Applications control –				
Eighth	Dealing with charts such as bar chart, pie chart, histogram, line – .graph, Scatter diagram, and others				
IX-XV	:Handling orders – Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametric methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).				
XVI-XIX	Encyclopedia of Humman body . - The concept of the program, its operation, identification of the components of the home screen, methods of dealing with data and search methods provided by the program, which represents a close image with the search in the World Wide Web (Internet).				
العشرون	Identify the vocabulary of the human body and take advantage of the .presentation methods provided by				
الحادي والعشرون – الثلاثون	Body Works modern version that works under the (windows) environment: the concept of the program, its operation and characteristics, the components of the home screen, and to learn how to deal with the tools, menus and options it provides, and how to get the exact details. - Addressing the presentations and explanation provided by the program to various human body systems such as skeletal , nervous,				

	muscles Etc. 1. Take advantage of the sound or pronunciation of some of the vocabulary it provides, in addition to identifying the real action movies that exist. 2. How to access the exact details it provides through the database and search index for that. 3. Addressing the health of the community by choosing Health & Fitness, which deals with types of foods, weight loss, calories for food, weights, first aid, numbness and others. 4. Identify the causes of mortality, births, fetal stages, sexually transmitted diseases and ways to prevent them by choosing Living . Useful options such as lessons or rapid tests that provide an easy and quick testing tool so that the person knows his scientific level .in the subjects offered by this program
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Infrastructure .12		
Jr., D. H. L. F., 2012. Introduction to Microsoft Office 2010. 2nd ed. s.l.:World scientific publishing. Mayne, R., 2915. Introduction To Windows. 2nd ed. s.l.:World scientific publishing Thomas Anderson, M. D., 2014. Operating Systems: Principles and Practice. s.l.:University of Texas		
		Recommended books and references Scientific journals , reports ,.... (Scientific Journals

Course Development Plan .13
The curriculum development plan is based on the following: 1. Give the prescribed scientific material and observe and analyze the results of the students. 2. Study feedback from students' notes about vocabulary. 3. Study the practical laboratory notes of the course.

4. Comparing current vocabulary with those of corresponding colleges in the field

وصف المقرر لمادة التخدير (2) المرحلة الثالثة

م.م. ماجد فاخر مطر

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programmed specification.

1. Teaching Institution	Al-Ayen Iraqi University
2. college	College of health and medical technology
3-Department	Anesthesia department
4. Course title/code	Anesthesia (2)
5. Name of lecturer	Dr.Majid Fakhir Mutar
6. Modes of Attendance offered	Attendance / 2 hours per week
7. Semester/Year	2023 – 2024
8. Number of hours tuition (total)	60 hours
9. Date of production/revision of this specification	25/3/2024

Aims of the Course
1. Giving the student the information about preparation of patient for anesthesia
2. Introducing the student to the anesthetic instrument
3. Introducing the student to the drugs used in anesthesia.
4. Introducing the student ,how to resuscitate the patient
5. Introducing the student, how to manage the patient in case of emergency.
6. Introducing the student about anesthesia in special disease condition

10• Learning Outcomes, Teaching ,Learning and Assessment Method

A- Cognitive goals

A1- Teaching the student the basics of science

A2- Knowing how to keep pace with global developments

A3- Take a look at the sources related to anesthesia

B. Subject-specific skills

B1 - Practical application of the scientific mod

B2 - Developing the student's writing skill and acquiring the skill of preparing reports.

Teaching and Learning Methods

1. The power point and data show demo method and the live broadcast program meet

2. The exercises and activities in the classroom and their discussion

3. Homework and homework preparation.

Assessment methods

1. Weekly exams (quizzes)

2. Classroom and homework assignments to know the student's knowledge base

3. Discussion test

4. Mid-year and end-of-year exams.

C. Thinking Skills

C 1-Develop social relationships between teacher and student

C2- Encouraging commitment and discipline

C 3- The student expresses his ideas confidently

Teaching and Learning Methods

1. The power point demo method and the live broadcast program meet

2. The exercises and activities in the classroom and their discussion

3. Interrogation

4. Homework and homework preparation.

Assessment methods

1. Weekly exams (quizzes)
2. Classroom and homework assignments to know the student's knowledge base
3. Discussion test
4. Mid-year and end-of-year exams.

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1- Develop the student's ability to deal with the Internet and multiple media

D2 -Develop the student's ability to dialogue and discussion

D 3-Time management and work within the specified time

11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2 hours	Introduce students how to assess the patient before anesthesia	Pre-anesthetic assessment of patient	Lecture, discussion and practical application	General questions and discussion ,theoretical tests
2	2 hours	Introduce the student about premedication	Premedication	Lecture, discussion and practical application	General questions and discussion + theoretical tests
3	2 hours	Introduce students to the iv anesthesia	Iv anesthetic agent	Lecture, discussion	General questions and discussion + theoretical tests

4	2 hours	Introduce students to the inhalational anesthesia	Inhalational anesthetics agents	Lecture, discussion and practical application	General questions and discussion, theoretical tests
5	2 hours	Knowledge the students about geriatric anesthesia	Anesthesia in elderly patient	Lecture, discussion	General questions and discussion + theoretical tests
6	2 hours	Introduce students to the obstetric anesthesia	Anesthesia for obstetrics and gynecology	Lecture, discussion	General questions and discussion theoretical tests
7	2 hours	Introduce students to the pediatric anesthesia	Anesthesia in pediatric surgery	Lecture, discussion	General questions and discussion theoretical tests
8	2 hours	Introduce students to the anesthesia in obese patient	Anesthesia for obese patient	Lecture, discussion	General questions and discussion + theoretical tests
9	2 hours	Teaching students regional anesthesia	Regional anesthesia	Lecture, discussion	General questions and discussion , theoretical tests
10-12	6 hours	Introduce students to anesthesia for ENT	Anesthesia for ENT surgery	Lecture, discussion and practical application	General questions and discussion + practical and theoretical tests
13	2hours	Introduce students to the anesthesia for ophthalmic surgery and endoscopy	Anesthesia for ophthalmic surgery and endoscopy	Lecture, discussion	General questions and discussion, theoretical tests
14-16	6hours	Introduce students to the anesthesia for Orthopaedic surgery	Anesthesia for orthopedic surgery	Lecture, discussion	General questions and discussion, theoretical tests

17	2 hours	Introduce the students to the anesthesia for urinary surgery	Anesthesia for urinary surgery	Lecture, discussion	General questions and discussion , theoretical tests
18-20	6 hours	Introduce the students to the anesthesia for thoracic surgery	Anesthesia for thoracic surgery	Lecture, discussion	General questions and discussion , theoretical tests
21-23	6 hours	Teaching students anesthesia in day surgery	Anesthesia in day case surgery	Lecture, discussion	General questions and discussion , theoretical tests
24	2 hours	Teaching students the recovery and complication of anesthesia	Recovery and complication of anesthesia	Lecture, discussion	General questions and discussion , theoretical tests
25	2 hours	Introduce the students about infant resuscitation	Resuscitation of infant	Lecture, discussion	General questions and discussion , theoretical tests
26	2 hours	Teaching students hypotensive anesthesia	Induced hypotension	Lecture, discussion	General questions and discussion , theoretical tests
27-29	6 hours	Knowledge the students about CPR	Cardiopulmonary resuscitation	Lecture, discussion	General questions and discussion , theoretical tests
30	2 hours	Teaching students how to deal	Emergency conditions	Lecture, discussion and	General questions and discussion ,

		with emergency conditions		practical application	theoretical tests
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12. Infrastructure	
Required reading: • CORE TEXTS • COURSE MATERIALS • OTHER	1. Clinical anesthesiology ----- Morgan and Mikhail----6 th edition 2 . Anesthesia for medical students----Oster and Bryce--Smith 3. Clinical anesthesiology-----4 th edition--- Appleton and lange
Special requirements (include for example workshops, periodicals, IT software, websites)	Internet sites (Google and YouTube) and means of communication in the field
Community-based facilities (include for example, guest Lectures , internship , field studies)	Scientific journals, periodicals and research within the specialty The quarterly and annual reports

13. Admissions	
Pre-requisites	1. Rely on modern sources of books and references 2. Development of academic content by deletion, addition and replacement 3. Using modern teaching methods according to the nature of the subject and the level of learners from time to time 4. Follow up on the new technologies developed in this field and add them to the description of this course

	5. Establishing extracurricular activities related to the subject to motivate students to learn. 6. Making educational videos that explain how it works
Minimum number of students	300
Maximum number of students	360