

Course description form

Teacher's Name: Asst.Lect. Alaa Abdul Majeed Hasan Alyasry

Course Name : Technology of intensive care unit

Course: Technology of intensive care unit at al zahraa university of women Description.

Lectures in technology of intensive care unit theoretical and practical

1-Educational institution	Al Zahraa University of women College of health Techninology
2-Scientific Department/Center	Anesthesia department
3-Course name/code	the technology of intensive care unit theoretical and practical lectures
4-Available attendance forms	Full-time attendance
5-Semester/year	Semester
6-Number of study hours (total)	120 h (in year)
7-Date this description was prepared	23/5/2025

8-Course objectives	Objectives of the course: To
	Helping female students to take the information in

	<p>intensive care logically in the following way:</p> <ol style="list-style-type: none"> 1 - Preparing the student, which lead to an increase in the concentrated reinforcement used ICU Equipment resuscitation of patient. 2- Study of essential principle patient resuscitation 3.the study of drugs and emergency condition. 4.study of critical illness and care management.
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<p>9-Course outcomes and teaching, learning and evaluation methods</p> <p>The critical illness and management</p>
<p>A- Cognitive objectives clinical problems solving</p>
<p>B - The skills objectives of the course are to understand the how to deal with different equipment in the ICU</p>
<p>C- Emotional and value goals make the student awares of the responsibility of his future job</p>
<p>D - Transferable general and qualifying skills (other skills related to employability and personal development)relation of medicine and anesthesia</p>
<p>Teaching and learning methods explain the aims and objective of lecture give some clinical problems and encourage for seminar presentation by students</p>

Evaluation methods by different examination in same lecture and in monthly time.

10 - Structure of the course / Theoretical syllabus

الكورس الاول

Week	Required learning outcomes	Hours	Teaching method	Evaluation method
1	ICU organization, design, equipment	4	Theoretical lecture And practical	discussion
2	Indication for ICU and mechanical ventilation	4	Theoretical lecture And Practical	discussion
3	Attachment prepare of clinical monitoring in ICU (respiratory monitoring, cardiovascular monitoring, hemodynamic and cranial monitoring)	4	theoretical lecture And Practical	discussion
4	Hypoxia and oxygen therapy (attachment oxygen devices, flow meter central, calculate FiO2)	4	theoretical lecture and Practical	discussion
5	thromboembolism prophylaxis	4	theoretical lecture and Practical	discussion
6	HFNC attachment prepare , Noninvasive ventilation indication, modes	4	theoretical lecture and Practical	discussion

7	Invasive mechanical ventilation (modes of ventilation, waves)using stimulating programs	4	Theoretical and practical lecture	discussion
8	Invasive mechanical ventilation (modes of ventilation,		theoretical Lectures and practical cases	discussion

		waves)using stimulating programs	4		
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9		Invasive mechanical ventilation (modes of ventilation, waves)using stimulating programs	4	Theoretical and practical lecture	discussion
10		sedation and analgesia in the ICU(calculate and prepare the medication dose and use pump infusion and syringe pump)	4	Theoretical and practical lecture	discussion
11		Ventilator-Associated Pneumonia	4	Theoretical and practical lecture	discussion
12		Pneumothorax, hemothorax, tension pneumothorax, chest tube, needle decompression, stress ulcer	4	Theoretical and practical	discussion

				1 lecture	
13		Pneumothorax, hemothorax, tension pneumothorax, chest tube, needle decompression, stress ulcer	4	Theoretical and practical lecture	discussion
14		weaning	4	Theoretical and practical lecture	discussion
15		Weaning	4	Theoretical and practical lecture	discussion

		الكورس الثاني ↓			
1		Respiratory monitoring	4	Theoretical and practical lecture	discussion
2		Respiratory monitoring	4	Theoretical and practical lecture	discussion
3		Asthma and COPD in ICU	4	Theoretical and practical lecture	discussion
4		Asthma and COPD in ICU	4	Theoretical and practical lecture	discussion

5		ARDS	4	Theoretical and practical lecture	discussion
6		ARDS	4	Theoretical and practical lecture	discussion
7		Management of Refractory of Hypoxemia in Acute Respiratory Syndrome	4	Theoretical and practical lecture	discussion
8		Management of Refractory of Hypoxemia in Acute Respiratory Syndrome	4	Theoretical and practical lecture	discussion
9		acid-base balance and disorders	4	Theoretical and practical lecture	discussion
10		acid-base balance and disorders	4	Theoretical and practical	discussion

11		head injury and management of increased ICP	4	Theoretical and practical lecture	discussion
12		IV Fluids and blood transfusion	4	Theoretical	discussion
13		IV Fluids and blood transfusion	4	Theoretical and practical	discussion
14		status epilepticus	4	Theoretical and practical	discussion
15		status epilepticus	4	Theoretical and practical	discussion

1-Main references (sources)	I.C.U protocol
2-Recommended books and references (scientific journals, reports,...)	Marinos the I.C.U BOOK

B - Electronic references, Internet ...sites	Google Scholar, PubMed
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11- Course development plan
To enrolled the students in hospital practice more cases more practice

Course description form

Teacher's Name: Dr. Ahmed Diaa alhussainy

Course Name: General surgery

General surgery /medicine at al zahraa university of women :Course Description

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available opportunities.

1-Educational institution	Al Zahraa University of women College of health Technology
2-Scientific Department/Center	Anesthesia department
3-Course name/code	General surgery
4-Available attendance forms	Full time attendance
5-Semester/year	Semester

6-Number of study hours (total)	4 h
7-Date this description was prepared	2025-2024
8-Course objectives	<p>Objectives of the course: To familiarize students with general surgery subjects in terms of dealing with symptoms of trauma, burns, and plastic surgery. As well as dealing with the patient who has been exposed to accidents and injuries, how to treat them surgically, avoiding wound infections after surgery, and avoiding serious complications, as these accidents include head and spine injuries, and how to deal with each injury. The curriculum also includes various removal operations for various organs of the body and prevention before, during and after the surgical operation, including the thyroid gland. And its complications, the pituitary gland and its complications, the adrenal gland, as well as blood diseases and problems such as clotting problems, blood poisoning, and respiratory and digestive system failure. Uterine surgeries, abortions, caesarean sections, and organ transplants from one patient to another</p>

<p>9-Course outcomes and teaching, learning and evaluation methods</p> <p>Understanding clinical features causes of diseases diagnosis with investigation and outline the management</p>
A- Cognitive objectives clinical problems solving
B - The skills objectives of the course understand the differential diagnosis and how to deal with critical cases
C- Emotional and value goals make the student aware of the responsibility of his future job
D - Transferable general and qualifying skills (other skills related to employability and personal development) relation of medicine and anesthesia

Teaching and learning methods explain the aims and objective of lecture give some clinical problems and encourage for seminar presentation by students
Evaluation methods by different examination in same lecture and in monthly time

-10Structure of the course /Theoretical syllabus					
The Week	Hours	Required learning outcomes	Name of the unit/topic	Teaching method	Evaluation method
1	4	Study the Digestive Tract (GIT) General Review & Surgical Approach	Digestive Tract (GIT) General Review & Surgical Approach	Theoretical and practical lectures	Exam
2	4	study the Salivary glands	Salivary glands	Theoretical and practical lecture	Exam
3	4	Study Tongue And Oral Cavity	Tongue And Oral Cavity	Theoretical and practical lecture	Exam
4	4	Study the oesophagus	oesophagus	Practical and theoretical lecture	Exam

5	4	Study the Stomach & duodenum	Stomach & duodenum	Practical and theoretical lecture	Exam
6	4	Study the Liver	Liver	Practical and theoretical lecture	Exam
7	4	Study the Gall bladder & bile ducts	Gall bladder & bile ducts	Theoretical and practical lecture	Exam
8	4	Study the Spleen & pancreas	Spleen & pancreas	Lectures theoretical and practical cases	Exam
9	4	Study the Small & large intestine	Small & large intestine	Theoretical and practical lecture	Exam
10	4	Study the Intestinal obstruction & fistula	Intestinal obstruction & fistula	Theoretical and practical lecture	Exam
11	4	Study the Vermiform appendix, peritoneum	Vermiform appendix, peritoneum	Theoretical and practical lecture	Exam
12	4	Study the Rectum & anus	Rectum & anus	Theoretical and practical lecture	Exam
13	4	Study the Abdominal wall & Hernia	Abdominal wall & Hernia		Exam
14	4	Study the Breast	Breast	Theoretical and practical lecture	Exam

15	4	Study the Urinary tract: surgical anatomy, Congenital anomalies, Investigations	Urinary tract: surgical anatomy, Congenital anomalies, Investigations	Theoretical and practical lectures	Exam
16	4	Study the Trauma to the: Kidneys,	Trauma to the: Kidneys,	Theoretical and practical lectures	Exam
17	4	Study the Hydronephrosis , Urinary stones	Hydronephrosis , Urinary stones	Theoretical and practical lectures	Exam
18	4	Study the Urinary Tract Infections (UTI)	Urinary Tract Infections (UTI)	Theoretical and practical lectures	Exam
19	4	Study the Urination Disorders	Urination Disorders	Theoretical and practical lectures	Exam
20	4	Urinary tumours. Study the	Urinary tumours.	Theoretical and practical lectures	Exam
21	4	Study the Urogenital Tract in Males: Prostate, Testis, Penis	Urogenital Tract in Males: Prostate, Testis, Penis	Theoretical and practical lectures	Exam
22	4	Study the Thorax surgery: Respiratory Pathophysiology & General review	Thorax surgery: Respiratory Pathophysiology & General review	Theoretical and practical lectures	Exam
23	4	Study the Trauma to thorax: Rib Fractures, Flail Chest	Trauma to thorax: Rib Fractures, Flail Chest	Theoretical and practical lectures	Exam

24	4	Study the Pneumothorax,	Pneumothorax,	Theoretical and practical lectures	Exam
25	4	Pleural Effusion, Study the	Pleural Effusion,	Theoretical and practical lectures	Exam
26	4	Study the Chest tube: Applications & Management	Chest tube: Applications & Management	Theoretical and practical lectures	Exam
27	4	Study the Lung tumours, Mediastina masses	Lung tumours, Mediastina masses	Theoretical and practical lectures	Exam
28	4	Study the Types of Thoracic operations	Types of Thoracic operations	Theoretical and practical lectures	Exam
29	4	Study the Congenital heart diseases, Acquired heart diseases	Congenital heart diseases, Acquired heart diseases	Theoretical and practical lectures	Exam
30	4	Study the Cardiopulmonary resuscitation	Cardiopulmonary resuscitation	Theoretical and practical lectures	Exam

1-Main references (sources)	Schwarz, Brunner
2-Recommended books and references (scientific journals,	British medical journal BMJ Attendance to internal Medicine

reports,)	
B - Electronic references, Internet sites...	medicine Health,,, Stanford health care Website. General Surgery Types

11- Course development plan
To enrolled the students in hospital, practice more cases more practice

Course description form

Teacher's Name: Dr. Ahmed Diaa alhussainy

Course Name: General surgery

General surgery /medicine at al zahraa university of women :Course Description

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available opportunities.

1-Educational institution	Al Zahraa University of women College of health Technology
2-Scientific Department/Center	Anesthesia department
3-Course name/code	General surgery
4-Available attendance forms	Full time attendance

5-Semester/year	Semester
6-Number of study hours (total)	4 h
7-Date this description was prepared	2024-2025
8-Course objectives	<p>Objectives of the course: To familiarize students with general surgery subjects in terms of dealing with symptoms of trauma, burns, and plastic surgery. As well as dealing with the patient who has been exposed to accidents and injuries, how to treat them surgically, avoiding wound infections after surgery, and avoiding serious complications, as these accidents include head and spine injuries, and how to deal with each injury. The curriculum also includes various removal operations for various organs of the body and prevention before, during and after the surgical operation, including the thyroid gland. And its complications, the pituitary gland and its complications, the adrenal gland, as well as blood diseases and problems such as clotting problems, blood poisoning, and respiratory and digestive system failure. Uterine surgeries, abortions, caesarean sections, and organ transplants from one patient to another</p>

<p>9-Course outcomes and teaching, learning and evaluation methods</p> <p>Understanding clinical features causes of diseases diagnosis with investigation and outline the management</p>
A- Cognitive objectives clinical problems solving
B - The skills objectives of the course understand the differential diagnosis and how to deal with critical cases
C- Emotional and value goals make the student aware of the responsibility of his future job

D - Transferable general and qualifying skills (other skills related to employability and personal development) relation of medicine and anaesthesia
Teaching and learning methods explain the aims and objective of lecture give some clinical problems and encourage for seminar presentation by students
Evaluation methods by different examination in same lecture and in monthly time

-10Structure of the course /Theoretical syllabus					
The Week	Hours	Required learning outcomes	Name of the unit/topic	Teaching method	Evaluation method
1	4	Study the Hydronephrosis , Urinary stones	Hydronephrosis , Urinary stones	Theoretical and practical lectures	Exam
2	4	Study the Urinary Tract Infections (UTI)	Urinary Tract Infections (UTI)	Theoretical and practical lectures	Exam
3	4	Study the Urination Disorders	Urination Disorders	Theoretical and practical lectures	Exam
4	4	Urinary tumours. Study the	Urinary tumours.	Theoretical and practical	Exam

				lectures	
5	4	Study the Urogenital Tract in Males: Prostate, Testis, Penis	Urogenital Tract in Males: Prostate, Testis, Penis	Theoretical and practical lectures	Exam
6	4	Study the Thorax surgery: Respiratory Pathophysiology & General review	Thorax surgery: Respiratory Pathophysiology & General review	Theoretical and practical lectures	Exam
7	4	Study the Trauma to thorax: Rib Fractures, Flail Chest	Trauma to thorax: Rib Fractures, Flail Chest	Theoretical and practical lectures	Exam
8	4	Study the Pneumothorax,	Pneumothorax,	Theoretical and practical lectures	Exam
9	4	Pleural Effusion, Study the	Pleural Effusion,	Theoretical and practical lectures	Exam
10	4	Study the Chest tube: Applications & Management	Chest tube: Applications & Management	Theoretical and practical lectures	Exam
11	4	Study the Lung tumours, Mediastina masses	Lung tumours, Mediastina masses	Theoretical and practical lectures	Exam
12	4	Study the Types of Thoracic operations	Types of Thoracic operations	Theoretical and practical lectures	Exam
13	4	Study the Congenital heart diseases, Acquired heart diseases	Congenital heart diseases, Acquired heart diseases	Theoretical and practical lectures	Exam

14	4	Study the Cardiopulmonary resuscitation	Cardiopulmonary resuscitation	Theoretical and practical lectures	Exam
15	4	Drain and its benefit and application	Drain	Theoretical and practical lectures	Exam
16	4	Henia and its types and management	Henia	Theoretical and practical lectures	Exam

1-Main references (sources)	Schwarz, Brunner
2-Recommended books and references (scientific journals, reports,)	British medical journal BMJ Attendance to internal Medicine
B - Electronic references, Internet sites...	medicine Health,, Stanford health care Website. General Surgery Types

11- Course development plan

To enrolled the students in hospital, practice more cases more practice

course description form

Teacher's Name Rasool Faiq Rasool and Mayssa Ragheb Ali

course Name anesthesia

Course Description

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available opportunities.

1-Educational institution	Al Zahraa University of women College of health Technology
2-Scientific Department/Center	Anesthesia department
3-Course name/code	anesthesia theoretical and practical lectures
4-Available attendance forms	Lectures
5-Semester/year	First Semester 2023-2024
6-Number of study hours (total)	6 per a week
7-Date this description was prepared	28-11-2024
8-Course objectives	Understanding the preoperative preparation, premedication's, anesthetic agents of general & regional anesthesia anesthetic approach for different age groups (pediatric, geriatric), specific anesthetic approach (obstetric, obesity, day case surgery) anesthesia of specific surgery

	(thoracic, orthopedic, eye, ENT)
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9-Course outcomes and teaching, learning and evaluation methods
Understanding physiological changes of each group and doses of anesthetic agents for each case
A- Cognitive objectives pre, intra, post operative anesthetic approach.
B - The skills objectives of the course understand the different anesthetic agents and how to deal with many cases
C- Emotional and value goals make the student aware of the responsibility of his future job
D - Transferable general and qualifying skills (other skills related to employability and personal elopment) effect of anesthetic agents on different aged group patients.
Teaching and learning methods explain the aims and objective of lecture give some physiological changes and encourage for seminar presentation by students
Evaluation methods by different examination in same lecture and in monthly time

10- Structure of the course /Theoretical syllabus					
The Week	Hours	Required learning outcomes	Name of the unit/topic	Teaching method	Evaluation method
1 st	6	Understanding preoperative assessment	history, examination and investigation.	Theoretical and practical lectures	Exam
2 nd	6	Understanding preoperative	history, examination and	Theoretical and practical	Exam

		assessment	investigation	lecture	
3 rd	6	Understanding practical conduction of anesthesia	optimization & planning, prevention of adverse effect,	Theoretical and practical lectures	Exam
4 th	6	Understanding practical conduction of anesthesia.	intra-operative position of the patient.	Practical and theoretical lecture	Exam
5 th	6	Understanding general anesthesia	premedication, induction, maintenance and recovery	Practical and theoretical lecture	Exam
6 th	6	Understanding general anesthesia	premedication, induction, maintenance and recovery	Practical and theoretical lecture	Exam
7 th	6	Understanding general anesthesia	premedication, induction, maintenance and recovery	Theoretical and practical lecture	Exam
8 th	6	Understanding I.V anesthetic agents	mechanism of action, effects, indications, side effect of each agent	Theoretical and practical lecture	Exam
9 th	6	Understanding I.V anesthetic agents	mechanism of action, effects, indications, side effect of each agent	Lectures theoretical and practical cases	Exam
10 th	6	Understanding inhalational	mechanism of action, effects,	Theoretical and practical	Exam

		anesthetic agents	indications, side effect of each agent	lecture	
11 th	6	Understanding inhalation anesthetic agents	mechanism of action, effects, indications, side effect of each agent	Theoretical and practical lecture	Exam
12 th	6	Understanding regional anesthesia	types & technique of regional anesthesia	Theoretical and practical lecture	Exam
13 th	6	Understanding regional anesthesia	types & technique of regional anesthesia	Theoretical and practical lecture	Exam
14 th	6	Understanding pediatric anesthesia	physiological change & anesthetic approach for pediatric age group.	Theoretical and practical lecture	Exam
15 th	6	Understanding pediatric anesthesia	physiological change & anesthetic approach for pediatric age group.	Theoretical and practical lecture	Exam
16 th	6	Understanding obstetric anesthesia	physiological change & anesthetic approach for obstetric patients.	Theoretical and practical lecture	Exam

10- Infrastructures

A-Required prescribed books	Principles and practice of anesthesia
1-Main references (sources)	oxford text book of anesthesia
2-Recommended books and references (scientific journals, reports,)	Morgan's of anesthesia Attendance to anesthesia
B- Electronic references, Internet sites...	anesthesia & analgesia website

11- Course development plan
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Describe curriculum of medicine

1. Name of curriculum
medicine
2. Course code
3. semester /year
Third stage 2025–2024

4. The date	
2024/11/5	
5. availability	
Official working hours	
6. number of studying hours) total /units	
6hr 2 /unit	
7. name of responsible of curriculum	
Saba abdul razzaq	
Email ; saba.janabii76@gmail.com	
8. aim of curriculum	
<ul style="list-style-type: none"> • describe the manifestation of chronic disease <p>the students should be able to know the sign & symptoms of the following .</p> <ol style="list-style-type: none"> 1- Respiratory system . 2- GIT system . 3- GU system . 4- Liver disease . 5- Endocrine disorder 	Aim of the curriculum
9. Teaching & learning strategies	
<ul style="list-style-type: none"> • Lectures • brain storming • guide the students to some scientific website • guide the students to best methods to improve their knowledge about chronic disease 	strategies

stricture .10					
Method of assessment	Method of teaching	Name of the subject	Learning out come	hour	week
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand jaundice	6	1st
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand jaundice	6	2nd
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand peptic ulcer disease	6	3rd
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand cerebrovascular accident	6	4th

General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand acute renal failure	6	5th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand chronic renal failure	6	6th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand IHD	6	7th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand arrhythmia	6	8th
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand arrhythmia	6	9th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand heart failure	6	10th

General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand heart failure	6	11th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand HT	6	12th
General question / daily quiz / mid exam /	Theory & clinical	Complication Diagnosis and treatment	Students be able to understand HT	6	13th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand URTI	6	14th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand LRTI	6	15th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand TB	6	16th

General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand TB	6	17th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand COPD	6	18th
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand COPD	6	19th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand Tumor of the lung	6	20th
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand Tumor of the lung	6	21st
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand vascular lung disease	6	22nd

General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand vascular lung disease	6	23rd
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand respiratory failure	6	24th
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand respiratory failure	6	25th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand disease of pleura	6	26th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature	Students be able to understand DM	6	27th
General question / daily quiz / mid exam	Theory & clinical	Diagnosis and treatment	Students be able to understand DM	6	28th

General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand Cushing disease	6	29th
General question / daily quiz / mid exam	Theory & clinical	Causes ,clinical feature Diagnosis and treatment	Students be able to understand water & electrolyte imbalance	6	30th

Assessment .11	
Distribution of the degree (100) according to daily activities ,examination , quiz ,seminars , reports ,mid exametc	
Sources of learning .12	
Oxford hand book of clinical medicine ,	Books
Harrisons principle of internal medicine	References

Research Gate	Scientific journal
IVSL	Web site

Course description form

Teacher name : Ali Fadhel Gail

Course Name Internal Medicine 2

Course Description

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available opportunities.

1-Educational institution	Al Zahraa University of women College of health Technology
2-Scientific Department/Center	Anesthesia department
3-Course name/code	Internal medicine theoretical and practical lectures
4-Available attendance forms	Lectures
5-Semester/year	second Semester 2025
6-Number of study hours (total)	2 hour per a week for every group
7-Date this description was prepared	15-2-2025

8-Course objectives	Understanding the respiratory diseases like asthma ,COPD ,T.B., respiratory failure.pleural effusion, pulmonary embolism and lung cancer
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9-Course outcomes and teaching, learning and evaluation methods Understanding clinical features causes of diseases diagnosis with investigation and outline the management
A- Cognitive objectives clinical problems solving
B - The skills objectives of the course understand the differential diagnosis and how to deal with critical cases
C- Emotional and value goals make the student aware of the responsibility of his future job
D - Transferable general and qualifying skills (other skills related to employability and personal development) relation of medicine and anesthesia
Teaching and learning methods explain the aims and objective of lecture give some clinical problems and encourage for seminar presentation by students
Evaluation methods by different examination in same lecture and in monthly time

10- Structure of the course /Theoretical syllabus

The Week	Hours	Required learning outcomes	Name of the unit/topic	Teaching method	Evaluation method
1 st	5	Asthma,copd	Investigation, diagnosis and treatment	Theoretical and practical lectures	Exam

2 nd	5	Pulmonary embolism	Investigation, diagnosis and treatment	Theoretical and practical lecture	Exam
3 rd	5	Tuberculosis	Investigation, diagnosis and treatment	Theoretical and practical lectures	Exam
4 th	5	respiratory failure	investigation, diagnosis and treatment	Practical and theoretical lecture	Exam
5 th	5	Lung cancer	investigation, diagnosis and treatment	Practical and theoretical lecture	Exam
6 th	5	Pleural effusion	investigation, diagnosis and treatment		Exam
7 th	5	Diabetes mellitus	investigation, diagnosis and treatment	Theoretical and practical lecture	Exam
8 th	5	electrolyte disturbance	ion Treatment	Theoretical and practical lecture	Exam
9 th	5	Cushing's syndrome	Investigation, diagnosis and treatment	Lectures theoretical and practical cases	Exam

10- Infrastructures	
A-Required prescribed books	Principles and practice of Medicine Davidson
1-Main references (sources)	Harrison text book of Medicine
2-Recommended books and references (scientific journals, reports,)	British medical journal BMJ Attendance to internal Medicine
B - Electronic references, Internet sites...	medicine Health

11- Course development plan
To enrolled the students in hospital, practice more cases more practice

Course description form

Teacher's Name: - Dr. Mohanad Ali

Course Name: - Basics anaesthetic equipment II (theoretical + practical), Third stage

Courses Description

The student should be able to know the anesthesia devices, the tools used, and how to operate them and use them correctly

1-Educational institution	University of Alzahraa for Women
2-Scientific Department/Center	Anesthesia techniques
3-Course name/code	Basics anaesthetic equipment 3 (theoretical + practical), fourth stage
4-Available attendance forms	Classroom attendance
5-Semester/year	Semester system
6-Number of study hours (total)	120 hours / 60 hour for each
7-Date this description was prepared	15/12/2024
8-Course objectives	Teaching the course aims to introduce the student to the basics of using and maintaining devices

9-Course outcomes and teaching, learning and evaluation methods

A- Cognitive objectives

At the end of the year, the student should be able to: -

- 1- Identify the basics of how anesthesia machines work.
- 2- Dealing with all patient monitoring devices.
- 3- Maintaining and maintaining anesthesia and monitoring equipment.
- 4- Knowledge of modern technologies used in anesthesia devices

B - The skills objectives of the course

At the end of the year, the student should be able to:

- 1 - Identify the sources of pollution in operating theaters and methods of treating them.
- 2 - Able to deal with methods of sterilizing and maintaining some devices used in anesthesia.
- 3 - Able to know the basis of work, problems, and methods of using equipment and methods in anesthesia operating rooms, include, but are not limited to, a suction device, defibrillator, devices to monitor the patient's vital functions, and laser.

C- Emotional and value goals

- 1- We aim to create a conscious, educated generation
- 2- Raising awareness of the importance of the specialty in the safety and protection of patients
- 3- Encouragement to work in the spirit of one team
- 4- We aim to instill a spirit of cooperation among students

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

- 1 - Creating a generation experienced in using advanced and modern devices and familiar with all their details
- 2 - Preparing students through seminars and creating own research

Teaching and learning methods

- 1-Asking questions about the lecture topic or from a previous lecture related to the same lecture topic
- 2- Practical application of the equipment available in the laboratory

Evaluation methods

- 1- Conducting periodic exams for female students for every one or two lectures
- 2- Surprising questions while explaining the lecture and recording this in the students' evaluation record
- 3- Conducting daily, quarterly and final exams

10- Structure of the course /Theoretical syllabus

The Week	Hours	Required learning outcomes	Name of the unit/topic	Teaching method	Evaluation method
1-5	20	Airway Management Devices:	Understand types, indications, and insertion techniques of supraglottic airway devices and alternatives	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	-Oral exam -Daily exams -Semester exams and the end of the course
6-8	12	Endotracheal Tubes for Special Purpose:	Identify special-purpose endotracheal tubes and their roles in complex airway management scenarios	<ul style="list-style-type: none"> • Use the smart screen Devices and equipment available in the classroom and laboratory	-Oral exam -Daily exams -Semester exams and the end of the course
9-11	12	Laryngoscope Modification & Intubation Aids:	Explore laryngoscope advancements and tools facilitating routine and emergency	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available 	-Oral exam -Daily exams -Semester exams and the end of the course

			airway intubation	in the class and laboratory	
12-14	12	Humidifier and Nebulizer – Definition & Importance:	Explain the role of humidification in respiratory care and define related devices	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course
15	4h	Medical Suction Apparatus:	Understand components, selection criteria, standards, and testing of medical suction equipment.	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course

2nd course

1-5	20 h	Modification of Breathing Systems (Lack, Bain, Humphrey), Circle Breathing, and Soda Lime: s.	Understand breathing systems, circle system function, soda lime role, and breathing system check procedures	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course
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				and laboratory	
6	4h	Manual Resuscitator: Components and Other Uses:	, Identify manual resuscitator parts and recognize additional clinical uses beyond basic ventilation.	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course
7-10	16h	Anesthesia Ventilator: Working Principle and Types (Manley MP3, Penlon, High-Frequency Jet Ventilator): Explain	anesthesia ventilator mechanisms and differentiate between common and advanced ventilator types.	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course
11-13	12h	Equipment for Local Analgesia: Spinal, Epidural, Major Nerve Blocks, Nerve Stimulators:.	Recognize equipment used in regional anesthesia and the role of nerve stimulators for guidance	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course

				laboratory	
14	4h	Defibrillator and Pacemaker:	Understand defibrillator and pacemaker functions and their emergency applications in cardiac care.	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course
15	4h	Blood Warmer:	Describe the use of blood warmers and their importance in maintaining normothermia during transfusion	<ul style="list-style-type: none"> • Use the smart screen • Devices and equipment available in the classroom and laboratory 	<ul style="list-style-type: none"> -Oral exam -Daily exams -Semester exams and the end of the course

10- Infrastructures	
A-Required prescribed books	Anesthesia equipment, principle and application, Jan Ehrenwerth, MD 3rd edition
1-Main references (sources)	The MGH Textbook of Anesthetic Equipment, Warren S. Sandberg, MD, PhD 2nd edition

2-Recommended books and references (scientific journals, reports,...)	Relevant scientific journals
B - Electronic references, Internet sites...	Pumped , google scholar

11- Course development plan
Establish workshops in private and governmental hospital to deal with actual cases

Course description form

Instructor's name: - Asst.Lect. Muhammad Ghazi khassaf

Course name: - Computer Principles 2

At the end of the academic year, the student should be able to know the components of the calculator, how to enter data, distinguish its types, benefit from statistical programs, perform applications, and deal with commands on the computer.

Al-Zahraa University (peace be upon her) for girls	Educational institution
Anesthesia techniques	Scientific department/center
Computer principles 2	Course name/code
Attendance teaching	Available forms of attendance
year system	Semester/year

3hours a week	Number of study hours (total)
2025-2024	Date this description was prepared
Course objectives Providing the student with knowledge in managing and using various computer applications.	

Course outcomes and teaching, learning and evaluation methods

Cognitive objectives

- 1-The ability to analyze and apply what you have learned practically on the calculator
- 2-The evaluation should be done by presenting the material to the students in the laboratory and then applying it

Course-specific skills objectives.

- 1 -Direct questions and answers about the previous article
- 2-Analyzing the student's ability to comprehend through work home, carried out at home and stored on disks to display directly in front of the student to know the extent of what they learned from the previous lecture.
- 3- Showing educational videos for the subject in order to consolidate the ability to learn

Emotional and value goals

- 1-Training the student how to use the computer in a manner compatible with his cultural level
- 2-Directing the student how to deal with social sites

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

- 1-Use PowerPoint to present the material.
- 2-Use pre-prepared files with some exercises to test the extent to which students receive information related to the course.
- 3-Involving all female students in classroom participation by preparing oral dialogues within their specialization.
- 4-Using smart screens for the purpose of solving some exercises by the teacher with the participation of the female students

Teaching and learning methods

The theoretical and explanation method is by presenting the material on the program, including PowerPoint, in the form of diagrams and pictures, in order to attract the student's attention and help him not feel bored. The practical method is to apply what was presented on the calculator and conduct daily and monthly exams.

Evaluation methods

- 1-Monthly and final exams, in addition to evaluating oral dialogue between students
- 2-Active attendance and daily participation .

Theoretical syllabus

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcome	Hours	Week
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			s		
Daily participation and monthly exams	Practical, theoretical	The statistical program SPSS, the concept of the program, its operation, steps of data analysis		3	1 st
Daily participation and monthly exams	Practical, theoretical	Identify the components of the main screen, enter data, save and retrieve data		3	2 nd
Questions and discussions	Practical, theoretical	Sorting and altering data, determining the statistical procedure, how to insert a variable or case, merging files, analysis		3	3 rd
Questions and discussions	Practical, theoretical	Identify the statistical summary of the given data and benefit from the data it provides in exploring data or reports for columns or rows.		3	4 th
Questions and discussions	Practical, theoretical	Comparing averages, comparing variables Conduct some nonparametric tests such as chi square		3	5 th
Questions and discussions	Practical, theoretical	Quality control panel applications		3	6 th
Questions and discussions	Practical, theoretical	Dealing with charts		3	7 th
Questions and discussions	Practical, theoretical	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).		3	8 th
Questions and discussions	Practical, theoretical	Human body encyclopedia program with its details		3	9 th
Questions and discussions	Practical, theoretical	Identify the vocabulary of the human body and benefit from the presentation methods it provides		3	10 th

Questions and discussions	Practical, theoretical	<p>s Body, the modern version that works under the Windows environment: the concept of the program, Its operation and features, main screen components, and learning how to work with tools and menus The options it provides and how to get the exact details. -Discussing the presentations and explanations that the program provides for various human body systems, such as the skeletal .etc....., Nervous, Muscles -Benefiting from the sound or pronunciation of some of the vocabulary it provides in addition to learning about Real action movies that exist. -How to access the precise details provided through the database and search index For that. -Addressing community health by choosing Fitness & Health, which deals with various types Foods, weight loss, calories, weights, and more -Identifying the causes of deaths, births, fetal stages, sexual diseases and methods of prevention One of them is by choosing Living. -Useful options such as educational lessons or quick tests that provide a tool An easy and quick test for a person to know his academic level in the subjects presented the program.</p>	3	11 th
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Infrastructure

	Required prescribed books
	Main references (sources)
	Recommended books and references (scientific journals, reports,...)
	Electronic references, Internet sites...

Course development plan

Using explanatory videos, raising questions, clarifying correct answers, and correcting incorrect ones to benefit from mistakes so that they are not repeated in the future, in addition to organizing classroom participation for dialogue between students using useful phrases and sentences within the framework of scientific and methodological specialization.
