

Master Degree of Chest Diseases & Tuberculosis Log Book



" كراسة الأنشطة "

اللازمة لحصول المتدرب على درجة الماجستير فى الأمراض الصدرية
و التدرن
2022-2023



Contents

NO	SUBJECT	PAGE
1	Personal data	3
2	Instructions to the use of logbook	4-5
3	Program aims and curriculum structure	6-7
4	First Part 1. Course 1 Unit {Module}1 (Anatomy) Unit {Module}2 (Histology) 2. Course 2 Unit{Module) 1(Physiology) Unit{Module) 2(Biochemistry) 3. Course 3 Unit {Module)1(Pharmacology) Unit {Module)2 (Pathology) Course 4 Unit {Module)1(Microbiology) Unit (Module) 2 (Public Health) 5. Course 5 (Internal Medicine)	8-10 11-12 14-16 17-19 20-22 23-25 16-27 28-30 31-40
5	Speciality Courses Course 6 Chest Disease and Tuberculosis	41
5	Unit {Module)1 Pulmonary Medicine & Tuberculosis	42-95
6	Unit {Module)2 Respiratory Intensive Care Medicine	96-125
7	Unit {Module)3 Pulmonary Function Testing	126-150
8	Unit {Module)4 Diagnostic & Interventional Bronchology Medical Thoracoscopy	151-162
9	Unit {Module)5 Sleep Medicine	163-173
10	Elective Course	174-176
11	Other Scientific Activities	177-178
12	Master Degree Thesis pathway	179
13	Declaration:	180



كلية الطب



Chest Department
Faculty of Medicine

Personal photo



Name.....
 Date of birth.....
 Address.....
 Place of work.....
 Telephones..... Mobile phone(s).....
 E mail.....

Name of hospital	Period of work	Hospital director signature

Academic Information

MBBCh...../...../..... University Grade

Grade of Internal Medicine course on graduation

Others...../...../..... University

...../...../..... University



*** Aim of the activities book**

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book

For each module / course / rotation

You should fill the following sections:-

1- Clinical case log

- 1- You will first find list with all required cases in the concerned module and the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.
- 2- You should record all clinical cases in the module and each case should be signed by you trainer.

2- Clinical case presentation log

Record the cases related to the module that you have presented in a seminar of the activity.



3- Procedures / operations log

- 1- You will find a list for required procedure, diagnostic – therapeutic operations and level of desired performance you should achieve at the end of training.
- 2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

4- Rotation / attendance proof

You should have evidence of achievement the required training hours within each module.

For the whole program fill the following sections

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation,....."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
-

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quiseses



Program aims

1/1 To enable candidates to acquire satisfactory level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of pulmonary medicine and tuberculosis (TB), pulmonary function testing, diagnostic and interventional bronchology, sleep medicine and enabling the candidates of making appropriate referrals to a sub-specialist.

1/2 Provide candidates with fundamental knowledge and skills of respiratory intensive care medicine as regards; dealing with critically ill respiratory patients, ICU equipments, techniques, indications, contraindications and training skills of different intensive care techniques.

1/3 To introduce candidates to the basics of scientific medical research.

1/4 Enable candidates to start professional careers as specialists in Egypt but recognized abroad.

1/5 To enable candidates to understand and get the best of published scientific research and do their own.

Curriculum Structure:

Duration of program 36 months

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related basic science courses and ILOs + elective courses

Students are allowed to set the exams of these courses after 12 months from applying to the M Sc degree.

- Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set **before 12 months** from registering the M Sc subject;

It could be discussed and accepted before passing the second part of examination)

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to set the exams of these courses before 3 years from applying to the MSc degree.

n.b. Fulfillment of the requirements in each course as described in the template and registered in the log book is a pre-request for candidates to be assessed and undertake part 1 and part 2 examinations.



First Part

Academic activities of basic sciences

Practice with academic and clinical departments during year 1

- Anatomy
- Histology
- Physiology
- Biochemistry
- Pharmacology
- Pathology
- Microbiology
- Public Health
- Internal Medicine



كلية الطب



Chest Department
Faculty of Medicine

Anatomy



Requirements

● Credit points: 1 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy	0.5	Anatomy	5 hours - Upper respiratory tract including nasal cavities, pharynx, larynx, trachea - Bronchial tree - Lungs - Pleura	50%
	0.5		5 hours - Chest wall - Mediastinum - Heart and great vessels - Development of the respiratory system, - -Diaphragm	50%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Anatomy (Lectures)

Date	Attendance	Topic	Signature

Histology

Requirements

- Credit points: 0.5 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology	0.5	Histology	5 hours - Cell structure - Epithelium - Connective tissue proper - Muscular tissue - Blood cells - Blood vascular system - Lymphatic organs - Respiratory system	100%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Physiology

Requirements

- Credit points: 1.25 credit point.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.5	Physiology	5 hours <ul style="list-style-type: none"> ➤ Respiratory System <ul style="list-style-type: none"> • Functional structure of the respiratory system. • Respiratory cycle, its mechanism, and intrapleural pressure, and surfactant, work of breath and compliance of lungs. • Regulation of normal respiration. • Gas transport in blood (oxygen dissociation curve and CO₂ curve) • Respiratory functions of the blood and some disorders of the respiratory system as dyspnea, hypoxia and cyanosis). 	40%
	0.25		2.5 hours <ul style="list-style-type: none"> ➤ Autonomic nervous system <ul style="list-style-type: none"> • Structure and functions of the ANS • Its higher centers. • Autonomics receptors and chemical transmitters. ➤ Blood <ul style="list-style-type: none"> • General components of blood and its functions. • Mechanism of blood coagulation. • Clinical conditions occurring due to abnormalities of one or more of the blood components. 	20%



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.25	Physiology	2.5 hours <ul style="list-style-type: none"> ➤ Acid base balance <ul style="list-style-type: none"> • Mechanisms and abnormalities ➤ Metabolism <ul style="list-style-type: none"> • Regulation of body temperature: <ul style="list-style-type: none"> ✓ Centre and mechanism for regulation of body temperature. ✓ Reaction of body on exposure to cold and hot • Abnormalities of regulation of body temperature. 	40%
	0.25		2.5 hours <ul style="list-style-type: none"> ➤ Cardiovascular system <ul style="list-style-type: none"> • Innervation of the heart • Regulation of the heart rate. • Cardiac out put and its components. • Arterial blood pressure and its regulation. • Pulmonary and coronary circulation. • Haemorrhage and its compensatory reaction. • ECG and its clinical significant. 	20%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Biochemistry

Requirements

- Credit points: 0.5 credit point.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Biochemistry	0.25	Biochemistry	2.5 hours - Phospholipids(surfactant) - Tumor markers - Immunoglobulins - Cancer biochemistry	50%
Biochemistry	0.25	Biochemistry	2.5 hours - Molecular biology and genetics - Eicosanoids (prostaglandins and their biological functions) - Leukotrienes - Biochemical analysis of pleural effusion. - Alpha-1- antitrypsin	50%
Student signature			Principle coordinator signature	Head of the department signature



Biochemistry (Lectures)

Date	Attendance	Topic	Signature



كلية الطب



Chest Department
Faculty of Medicine

Pharmacology

Requirements

- Credit points: 1.25 credit point.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pharmacology	0.25	Pharmacology	2.5 hours - General pharmacology - Chemotherapy	20%
	0.25		2.5 hours - Bronchodilators and other drug treatment of asthma - TB chemotherapy	20%
	0.25		2.5 hours - Cancer chemotherapy - Anticoagulants - Corticosteroids	20%
	0.25		2.5 hours - Hypoglycemic drugs - Antihypertensive - Inotropics - Arrhythmic drugs - Antimycotics - Antiviral - Digitalis	20%
	0.25		2.5 hours - Diuretics - Respiratory stimulants - Treatment of pulmonary hypertension	20%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Pathology

Requirements

- Credit points: 1.25 credit point.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	0.25	Pathology	2.5 hours Principles of General Pathology of: <ul style="list-style-type: none"> - Disturbance of circulation - Immunity & hypersensitivity. - Bacterial infection. - Disturbance of growth - Pathology of tumors - Diagnostic cytology. 	20%
	0.25		2.5 hours <ul style="list-style-type: none"> - Tuberculosis. 	20%
	0.25		2.5 hours Pathologic Details of: A. Cardiovascular System: <ul style="list-style-type: none"> - Pulmonary hypertension - Cor pulmonale - Heart failure 	20%
	0.5		5 hours B. Respiratory System: <ul style="list-style-type: none"> - Pathology of the lung - Pathology of the pleura - Pathology of the mediastinum - Pathology of the diaphragm 	40%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Microbiology

Requirements

- Credit points: 1.25 credit point.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Microbiology	0.5	Microbiology	5 hours General bacteriology - Bacterial structure, growth and metabolism - Bacterial genetics - Antimicrobial agents - Pathogenicity of microorganism - Diagnostic microbiology	40%
	0.25		2.5 hours Immunology - Basic immunology - Immunologic diagnostic test and serology - Hypersensitivity - Tumor immunology - Immunogenetics and transplantation immunology	20%
	0.25		2.5 hours General virology - Pathogenesis of viral diseases - Interferon and antiviral agents	20%
	0.25		2.5 hours Microorganism encountered in - Pneumonia, empyema, bronchitis, acute exacerbation of chronic bronchitis	20%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Microbiology (Lecture)

Date	Attendance	Topic	Signature



Public Health (Epidemiology)

Requirements

- Credit points: 1 credit point.

Lectures Schedule as described in the course specification

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Public Health	0.5	Public Health	5 hours - Measurement of health - General epidemiology of communicable and non communicable diseases - Medical statistics	50%
	0.5		5 hours - Epidemiology of selected communicable diseases - Occupational health - Health systems and health services in Egypt	50%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

Public Health (Lectures)

Date	Attendance	Topic	Signature



كلية الطب



Chest Department
Faculty of Medicine

Internal Medicine



Internal Medicine Course

Requirements

- **Credit points:** 6 credit point for didactic (lectures, seminars, tutorial) and 10 point for training.
- ✚ Minimal rate of attendance 80% of didactic and training



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal Medicine	1	Internal Medicine	10 hours a-Renal failure b-Nephritis c- Nephrotic syndrome	16.7%
	2		20 hours a-Heart failure b- Rheumatic fever c- Valvular heart diseases d-Arrhythmia e- Hypertension	33.2%
	1		10 hours - Endocrinology a- Diabetes mellitus b- Thyroid diseases c- Adrenal gland diseases d- Obesity	16.7%
	1		10 hours - Haematology a- Lymphomas b- Coagulation disorders c- Anemia	16.7%
	1		10 hours -Neurological diseases a- Cerebrovascular stroke b- Myopathy -Hepatology &Gastroenterology a- Liver cirrhosis and liver cell failure --Collagen vascular and systemic diseases	16.7%
Student signature			Principle coordinator signature	Head of the department signature



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Internal Medicine	2	Internal Medicine	2 week in Endocrinology unit -Log of 2 cases a- Diabetes mellitus b- Thyroid diseases c- Adrenal gland diseases d- Obesity	20%
Cardiology department and Coronary ICU	2	Cardiology department and Coronary ICU	2 weeks in Cardiology Unit - Log of 2 cases a-Heart failure b- Rheumatic fever c- Valvular heart diseases d-Arrhythmia e- Hypertension - Competently read ECG.	20%
Clinical training in Internal Medicine	1	Internal Medicine	1 weeks in Nephrology Unit - Log of 2 cases a-Renal failure b-Nephritis c- Nephrotic syndrome	10%
	1		1 week in Hematology unit -Log of 2 cases a- Lymphomas b- Coagulation disorders c- Anemia	10%
	1		1 week in Rheumatology unit - Log of 2 cases Collagen vascular and systemic diseases	10%
	1		1 weeks in GIT Unit and Internal Medicine Department -Log of 2 cases -Neurological diseases a- Cerebrovascular stroke b- Myopathy -Hepatology &Gastroenterology a- Liver cirrhosis and liver cell failure	10%
	2		2 weeks Emergency Department	20%
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب



Chest Department
Faculty of Medicine

**Internal medicine Course
Lectures**

Date	Attendance	Topic	Signature



Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



كلية الطب



Chest Department
Faculty of Medicine

Rotation and attendance in Units

Date	Unit	Duration	Signature of supervisor



Procedure log (ECG)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed

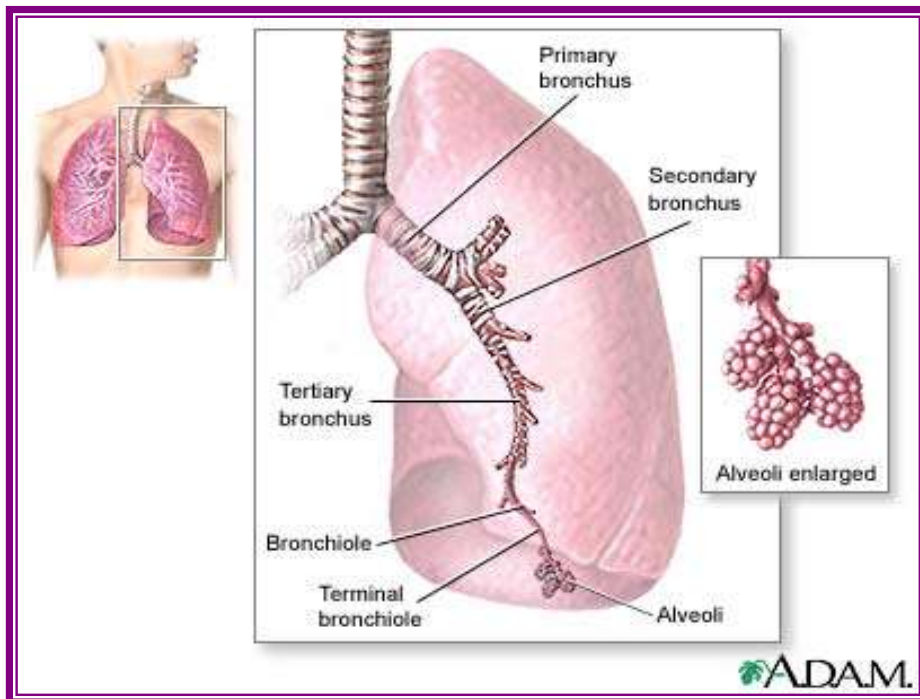


Course 6 Chest Diseases & Tuberculosis

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
1) Unit 1 "Pulmonary Medicine & Tuberculosis."	70%	1,2&3	17	76.8	93.8
2) Unit 2 " Respiratory Intensive Care Medicine	10	2&3	3	10.4	13.4
3) Unit 3 " Pulmonary Functions Testing"	10%	2&3	2	11.4	13.4
4) Unit 4 "Diagnostic and Interventional Bronchology"	5%	2&3	1	5.7	6.7
5) Unit 5 "sleep Medicine"	5%	2&3	1	5.7	6.7
Total No. of Units:	5	1,2&3	24	110	134

Unit (Module) 1

Pulmonary Medicine & Tuberculosis





Unit (Module)1

(Pulmonary Medicine & Tuberculosis)

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Requirements

- **Credit points:** 17credit point for didactic (lectures, seminars, tutorial) and 76.8 point for training.

- Minimal rate of attendance 80% of training and didactic

Year 1

(14 credit point for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Chest department	4	Chest department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 1 month in the department including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	28.6%
	5		<ul style="list-style-type: none"> ➤ Night shift (From 2pm to 8am) 1/week for 10 weeks 	35.8%
	1		<ul style="list-style-type: none"> ➤ Attendance of at least 2 weeks in the Outpatient clinic (3 hours /day) 	7.1 %
	2		<ul style="list-style-type: none"> ➤ Attendance of at least 30% of clinical rounds of each one of the 3 staff groups (2 hours /week for 30 week) 	14.3%
	1		<ul style="list-style-type: none"> ➤ Clinical teaching 2 hours /week for 15 week 	7.1
	1		<ul style="list-style-type: none"> ➤ Formative assessment 	7.1%
Student signature			Principle coordinator Signature	Head of the department signature







Pulmonary cases log

Log of:

Case	Number
Acute infection : URT , trachea and bronchi	20 cases
Pneumonia	5 cases
Empyema	5 cases
Lung abscess	As logged of
Tuberculosis	20 cases
Chronic bronchitis and Emphysema	20 cases
Respiratory failure	20 cases
Pulmonary embolism	5 cases
Pulmonary hypertention	5 cases
Pulmonary edema and Acute respiratory distress syndrome	As logged of
Bronchiectasis	5 cases
Bronchial asthma	10 cases
Hypersensitivity pneumonitis	2 cases
Pneumothorax	3 cases
Pulmonary neoplasms	5 cases
IPF	20 cases
Pulmonary diseases in systemic diseases	5 cases
Development disorders of the lungs	As logged of
Diseases of the Pleura	5 cases
Diseases of the mediastinum	As logged of
Other less common chest diseases	As logged of



Procedure log of:

 Observe:	 Log of under supervision:
<ul style="list-style-type: none">• 10 chest sonography• 10 pleural aspiration• 5 pleural and lung biopsy• 5 ICT insertion• 2 pleurodesis	<ul style="list-style-type: none">• 5 chest sonography• 5 pleural aspiration• 1 ICT insertion• 2 pleurodesis• 5 tuberculin test
 Independently Perform:	 Order and interpret:
<ul style="list-style-type: none">• 5 postural drainage• 5 different methods of oxygen therapy• 5 Inhalation therapy	<ul style="list-style-type: none">• 10 chest X ray• 10 chest CT (different forms)• 5 tuberculin test

Year 2

(8.5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 Pulmonary Medicine & Tuberculosis	8.5	Chest	Year 2	50% of the didactics of Unit 1
	5.5		Topics and attendance	64.7%
	0.25		1.25 hours (by the candidate) ➤ The development and structure of the respiratory tract ➤ Functions of the respiratory tract ➤ Epidemiology and respiratory diseases ➤ Lung defenses and immunology	
	1		5 hours (by the candidate) ➤ The clinical manifestations of respiratory diseases ➤ Chest radiology ➤ Diagnostic procedures	
	0.5		5 hours ➤ Acute infection : URT , trachea and bronchi ➤ Pneumonia	
	0.25		2.5 hours ➤ Lung abscess and bronchieactesis	
	0.5		5 hours ➤ Tuberculosis	

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1		Chest	Year 2	
	0.5		5 hours ➤ Chronic bronchitis and Emphysema	
	0.5		5 hours ➤ Bronchial asthma	
	0.25		2.5 hours ➤ Respiratory failure	
	0.25		2.5 hours ➤ Oxygen therapy	
	0.25		2.5 hours ➤ Pulmonary embolism	
	0.25		2.5 hours ➤ Pulmonary hypertension	
	0.25		2.5 hours ➤ Pulmonary neoplasms	
	0.25		2.5 hours ➤ Cryptogenic fibrosing alveolitis and Hypersensitivity pneumonitis	
	0.5		5 hours ➤ Diseases of the Pleura, Pneumothorax and Emphyema	
	1.5		Seminars ➤ Attendance of at least 50% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	17.6%
	1		Conference or workshop	11.8%
	0.5		Formative assessment	5.9%
Student signature			Principle coordinator Signature	Head of the department signature

Year 2

(31.4 credit point for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Pulmonary Medicine	31.4	Chest department	Year 2	50% of the training in Unit 2 (Second part)
Clinical training in Chest department	16		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 4 month in the department including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	51%
	8		➤ Night shift (From 2 pm to 8 am) 1 night shift /week for 16 week	25.5%
	2		➤ Attendance of at least 30% of clinical rounds of each one of the 3 staff groups (2 hours/day for 30 week)	6.35%
	2		➤ Attendance of at least 4 weeks in the Outpatient clinic(3 hours/day)	6.35%
	1		➤ Clinical teaching 2 hours /week/ for 15 week	3.2%
	2.4		➤ Formative assessment	7.6
Student signature			Principle coordinator Signature	Head of the department signature



Pulmonary cases log

Log of:

Case	Number
Acute infection : URT , trachea and bronchi	20 cases
Pneumonia	5 cases
Empyema	5 cases
Lung abscess	As logged of
Tuberculosis	20 cases
Chronic bronchitis and Emphysema	20 cases
Respiratory failure	20 cases
Pulmonary embolism	5 cases
Pulmonary hypertention	5 cases
Pulmonary edema and Acute respiratory distress syndrome	As logged of
Bronchiectasis	5 cases
Bronchial asthma	10 cases
Hypersensitivity pneumonitis	2 cases
Pneumothorax	3 cases
Pulmonary neoplasms	5 cases
IPF	20 cases
Pulmonary diseases in systemic diseases	5 cases
Development disorders of the lungs	As logged of
Diseases of the Pleura	5 cases
Diseases of the mediastinum	As logged of
Other less common chest diseases	As logged of



Procedure log of:

✚ Log of under supervision:	✚ Order and interpret:
<ul style="list-style-type: none">• 5 chest sonography• 5 pleural aspiration• 2 ICT insertion• 2 pleurodesis	<ul style="list-style-type: none">• 10 chest X ray• 10 chest CT (different forms)• 5 tuberculin test
✚ Independently Perform:	
<ul style="list-style-type: none">• 5 postural drainage• 10 different methods of oxygen therapy• 10 Inhalation therapy• 5 tuberculin test	

Year 3

(8.5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
	8.5	Chest	Year 3	50% of the didactics of Unit 1
	5.5		Topics and attendance	64.7%
	0.25		2.5 hours ➤ Mycobacteria other than tuberculosis (MOT)	
	0.25		2.5 hours ➤ Fungal and Actinomycotic diseases	
	0.25		2.5 hours ➤ Parasitic diseases of the lung	
	0.25		2.5 hours ➤ Pulmonary edema and Acute respiratory distress syndrome	
	0.25		2.5 hours ➤ Sarcoidosis ➤ Pulmonary eosinophilia	
	0.25		2.5 hours ➤ Pulmonary angiitis and granulomatosis ➤ Cystic fibrosis	
	0.25		2.5 hours ➤ Occupational lung diseases	
	0.25		2.5 hours ➤ Drug induced lung disease	



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 Pulmonary Medicine &TB		Chest	Year 3	
	0.25		2.5 hours ➤ Pulmonary manifestations of systemic diseases	
	0.25		2.5 hours ➤ Development disorders of the lungs	
	0.25		2.5 hours ➤ Diseases of the mediastinum	
	0.25		2.5 hours ➤ Diseases of the chest wall	
	0.25		2.5 hours ➤ Anomalies and diseases of the diaphragm ➤ Immunocompromised patients	
	0.25		2.5 hours ➤ Lung transplantation	
	2		10 hours by the candidate ➤ Updates in pulmonary medicine	
	1.5		Seminars ➤ Attendance of at least 50% of the clinical seminars ➤ - Presentation of at least 1 time in the seminar	17.6%
	1		Conference or workshop	11.8%
0.5		➤ Formative assessment	5.9%	
Student signature			Principle coordinator Signature	Head of the department signature

Year 3

(31.4 credit point for training in Unit 1

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Pulmonary Medicine	31.4	Chest department	Year 2	50% of the training in Unit 2 (Second part)
Clinical training in Chest department	16		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 4 month in the department including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	51%
	8		➤ Night shift (From 2 pm to 8 am) 1 night shift /week for 16 week	25.5%
	2		➤ Attendance of at least 30% of clinical rounds of each one of the 3 staff groups (2 hours/day for 30 week)	6.35%
	2		➤ Attendance of at least 4 weeks in the Outpatient clinic(3 hours/day)	6.35%
	1		➤ Clinical teaching 2 hours /week/ for 15 week	3.2%
	2.4		➤ Formative assessment	7.6
Student signature			Principle coordinator Signature	Head of the department signature

Pulmonary cases log

Log of:

Case	Number
Acute infection : URT , trachea and bronchi	20 cases
Pneumonia	5 cases
Empyema	5 cases
Lung abscess	As logged of
Tuberculosis	20 cases
Chronic bronchitis and Emphysema	20 cases
Respiratory failure	20 cases
Pulmonary embolism	5 cases
Pulmonary hypertention	5 cases
Pulmonary edema and Acute respiratory distress syndrome	As logged of
Bronchiectasis	5 cases
Bronchial asthma	10 cases
Hypersensitivity pneumonitis	2 cases
Pneumothorax	3 cases
Pulmonary neoplasms	5 cases
IPF	20 cases
Pulmonary diseases in systemic diseases	5 cases
Development disorders of the lungs	As logged of
Diseases of the Pleura	5 cases
Diseases of the mediastinum	As logged of
Other less common chest diseases	As logged of

Procedure log of:

✚ Log of under supervision:	✚ Order and interpret:
<ul style="list-style-type: none"> • 5 chest sonography • 5 pleural aspiration • 2 ICT insertion • 2 pleurodesis • 5 tuberculin test 	<ul style="list-style-type: none"> • 10 chest X ray • 10 chest CT (different forms) • 5 tuberculin test
✚ Independently Perform:	
<ul style="list-style-type: none"> • 5 postural drainage • 10 different methods of oxygen therapy • 10 Inhalation therapy 	



Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Clinical rounds log

Group A

Date	Attendance	Case presentation	Signature of supervisor



Clinical rounds log

Group B

Date	Attendance	Case presentation	Signature of supervisor



كلية الطب



**Chest Department
Faculty of Medicine**

Clinical rounds log

Group C

Date	Attendance	Case presentation	Signature of supervisor



كلية الطب



Chest Department
Faculty of Medicine

Clinical rounds log
Group C

Date	Attendance	Case presentation	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



B- Clinical Seminars log

First: Attendance

Date	Attendance	Topic	Signature



كلية الطب



Chest Department
Faculty of Medicine

B- Clinical Seminars log

First: Attendance

Date	Attendance	Topic	Signature



كلية الطب



Chest Department
Faculty of Medicine

B- Clinical Seminars
Second: Case presentation

Date	Staff group*	Case	Signature

*Staff group

A- Group A

B- Group B

C- Group C



Post graduate teaching
First: lectures

Date	Title of lecture	Signature of Staff member



**Post graduate teaching
Third: Clinical Teaching**

Date	Title of Clinical Teaching	Signature of Staff member



كلية الطب



Chest Department
Faculty of Medicine

C- Procedures log book Chest X ray

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book Fluoroscopy, lung scan and tuberculin test

NO.	Level of competency*	Location	Signature

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



C- Procedures log book

Chest physiotherapy and postural drainage

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book

Chest Ultrasonography

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

Chest Ultrasonography

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed



C- Procedures log book

Pleural aspiration

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed



C- Procedures log book

Pleural aspiration

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed

C- Procedures log book

Pleural & Lung biopsy

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed



C- Procedures log book

ICT insertion

NO.	Level of competency*	Location	Signature

Pleurodesis

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



Postgraduate student's program Rotation in training assessment

* **Name:**

* **Period of training From:**

To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	↩		↩		↩	strongly agree (7)
			(2)	(3)	(4)	(5)		
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								



General skills	could not judge (0)	strongly disagree(1)	↩		↩		↩	strongly agree (7)
			(2)	(3)	(4)	(5)		
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								



General skills	could not judge (0)	strongly disagree(1)	↩ ↪		↩ ↪		strongly agree (7)
			(2)	(3)	(4)	(5)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.							
Work effectively in relevant health care delivery settings and systems including good administrative and time management							
Practice cost-effective health care and resource allocation that does not compromise quality of care.							
Assist patients in dealing with system complexities.							

Unit (Module)2

Respiratory Intensive Care Medicine





Unit (Module)2

Respiratory Intensive Care Medicine

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Unit (Module) Respiratory Intensive Care Medicine

Requirements

- Credit points: 3 for didactic (lectures, seminars, tutorial) and 10.4 point for training.
 - Minimal rate of attendance 80% of training and didactic
 - One MCQ examination at the first half of the third year

Year 2

(1.5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2 Respiratory Intensive Care Medicine	1.5	Chest	Year 2	50% of the didactics of Unit 2
	0.5		5 hours Section 1: Basic and advanced life support Section 3: Indications of admission to ICU Section 4: Vascular access: Section 5: Airway management ➤ Nasal and oral airways ➤ Laryngeal mask airway ➤ Endotracheal tube ➤ Suction	
	0.25		2.5 hours Section 6: Haemodynamic monitoring ➤ Arterial blood pressure ➤ Central venous pressure and pulmonary artery wedge pressure. ➤ Arrhythmias ➤ - Haemodynamic drug infusion	
	0.5		5 hours Section 7: Invasive & noninvasive assessment of arterial blood gases ➤ Acid base status ➤ Hypoxaemia and hypercapnia ➤ Pulse oximetry	
	0.25		2.5 hours Section 8: The most common electrolyte disorders ➤ Hypokalemia ➤ Hypomagnesemia ➤ Hyponatremia ➤ Hypocalcaemia.	





(5 credit point for Training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Respiratory ICU	5	Chest department	Year 2	48% of the training in Unit 2
Clinical training in Respiratory ICU	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 3 weeks in the Respiratory ICU including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	60%
	2		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) 1 night shift/week for 4 weeks	40%
Student signature			Principle coordinator Signature	Head of the department signature

Log of cases:

Case	Number
Pneumonia	10 cases
Chronic bronchitis and Emphysema	25 cases
Respiratory failure	25 cases
Pulmonary embolism	10 cases
Pulmonary edema and Acute respiratory distress syndrome	10 cases
Bronchial asthma	10 cases
Hypersensitivity pneumonitis	5 cases
IPF	10 cases
Electrolyte Disorders	10 cases
Other less common chest diseases	As logged of

Log of procedure:

<p> Log of under supervision at least</p> <ul style="list-style-type: none"> • Order and perform ventilator adjustment 10 cases • Order CVP 5 cases • Perform Oral airway placement 5 cases • Perform ABG sampling 20 cases reports (as logged in Unit (Module) Pulmonary function testing) • Interpret haemodynamic monitoring 5 cases • Interpret ABG sampling 10 reports (as logged in Unit ((Module) Pulmonary function testing)
<p> Prescribe & Perform under supervision</p> <ul style="list-style-type: none"> • Syring pump adjustment 10 case • Intubation at least 10 under supervision • NIV &IPPV modes and settings at least 10 under supervision



Year 3

(1.5 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2	1.5	Chest	Year 3	50% of the didactics of Unit 2
Respiratory Intensive Care Medicine	0.25		2.5 hours Section 9: Infection in ICU ➤ Ventilator associated pneumonia ➤ Sepsis syndrome. ➤ Empirical antibiotic therapy	
	1		10 hours Section 10: Mechanical ventilation ➤ Objectives of mechanical ventilation ➤ Indications of mechanical ventilation ➤ Modes and settings of mechanical ventilation ➤ Weaning from mechanical ventilation ➤ Non invasive positive pressure ventilation ➤ Complications of mechanical ventilation ➤ Sedation and muscle relaxants	
	0.25		2.5 hours Section 11: Nutrition ➤ Enteral tube feeding ➤ - Total parenteral nutrition Section 12: Specific management and ventilatory strategies in pulmonary syndromes ➤ ARDS ➤ Cardiogenic pulmonary oedema ➤ Acute exacerbation of COPD ➤ Status asthmaticus ➤ Acute pulmonary embolism ➤ IPF ➤ Pneumonia	
Student signature			Principle coordinator Signature	Head of the department signature



(5.4 credit point for training in Unit 2)



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Respiratory ICU	5.4	Chest department	Year 3	52% of the training in Unit 2
Clinical training in Respiratory ICU	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 3 weeks in the Respiratory ICU including interpretation of their different radiologic patterns (in CXR & CT chest) and related laboratory investigation ➤ Log of pulmonary cases as mentioned below ➤ Procedure log as mentioned below 	55.6
	1.5		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) ➤ 1 night shift/week for 3 weeks 	27.8
	0.9		<ul style="list-style-type: none"> ➤ Formative assessment 	16.6
Student signature			Principle coordinator Signature	Head of the department signature



Log of cases:

Case	Number
Pneumonia	10 cases
Chronic bronchitis and Emphysema	25 cases
Respiratory failure	25 cases
Pulmonary embolism	10 cases
Pulmonary edema and Acute respiratory distress syndrome	10 cases
Bronchial asthma	10 cases
Hypersensitivity pneumonitis	5 cases
IPF	10 cases
Electrolyte Disorders	10 cases
Other less common chest diseases	As logged of

Log of procedure:

 Log of
<ul style="list-style-type: none">• Order and perform ventilator adjustment 10 cases under supervision• Order CVP 5 cases under supervision• Perform Oral airway placement 5 cases• Perform ABG sampling 20 cases reports (as logged in Unit (Module) Pulmonary function testing)• Interpret haemodynamic monitoring 10 cases• Interpret ABG sampling 10 reports (as logged in Unit ((Module) Pulmonary function testing)
 Prescribe & Perform
<ul style="list-style-type: none">• Syring pump adjustment 10 case• Intubation at least 10• NIV & IPPV modes and settings at least 10



Unit (Module) Respiratory Intensive Care Medicine

A. Attendance, Night shift and case log

Attendance

Date/ Duration From –to	Signature of supervisor	Date/ Duration From –to	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor

Cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



كلية الطب



**Chest Department
Faculty of Medicine**

Cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



Cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



كلية الطب



Chest Department
Faculty of Medicine

Unit (Module) Respiratory Intensive Care Medicine

B- Post graduate teaching

First: lectures

Date	Title of lecture	Signature of Staff member



B- Post graduate teaching

First: lectures

Date	Title of lecture	Signature of Staff member



كلية الطب



Chest Department
Faculty of Medicine

B- Post graduate teaching

Third: Clinical Teaching

Date	Title of Tutorial	Signature of Staff member



**C- Procedures log book
Order CVP (Number 10)**

NO.	Level of competency*	Location	Signature

Perform Oral airway placement (Number 10)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed

C- Procedures log book Interpret haemodynamic monitoring (15 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed

C-Procedures log book

Prescribe & Perform Syring pump adjustment (20 case)

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed



C- Procedures log book Prescribe & Perform Intubation (20 case)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book

Prescribe & Perform NIV &IPPV modes and settings (20 case)

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed



Postgraduate student's program Rotation in training assessment

* **Name:**

* **Period of training From:**

To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2)		(4)		(6)	strongly agree (7)
			(3)	(5)				
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								



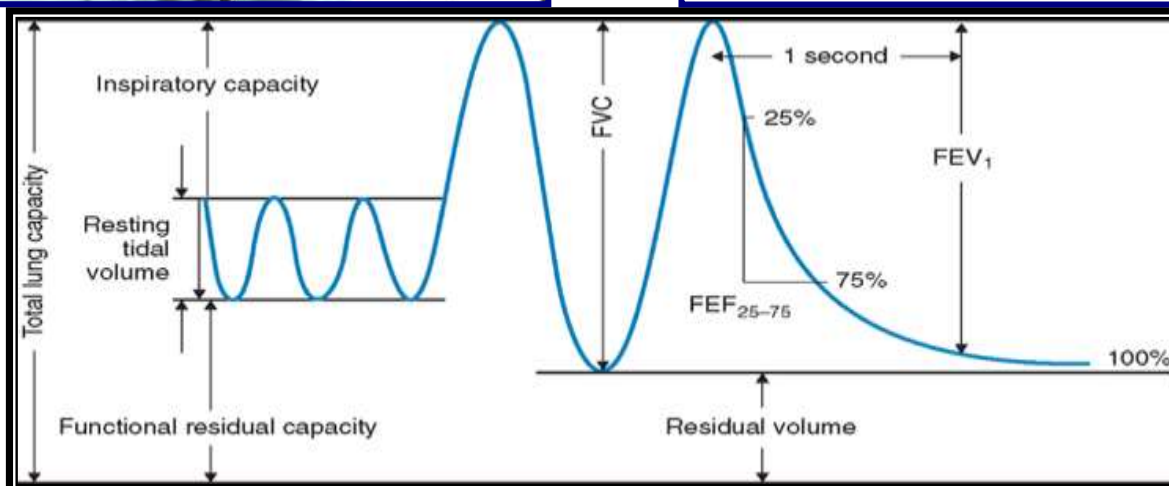
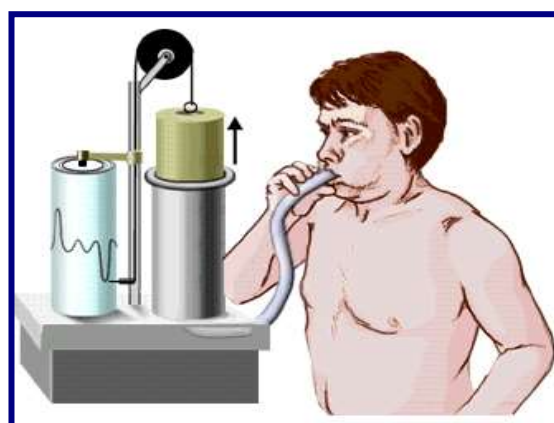
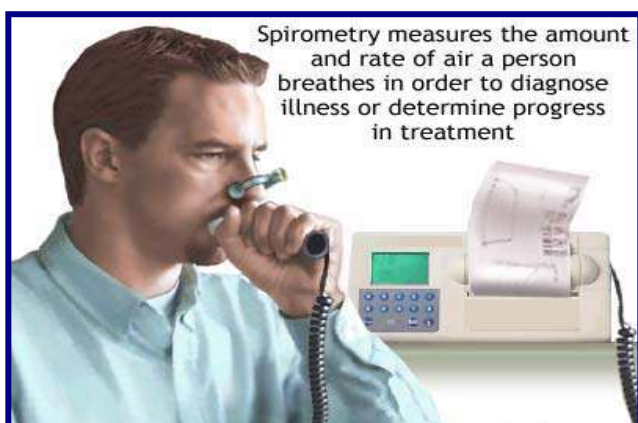
General skills	could not judge (0)	strongly disagree(1)	↩ ↪		↩ ↪		↩ ↪	strongly agree (7)
			(2)	(3)	(4)	(5)		
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								



General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								

Unit (Module) 3

Pulmonary Function Testing



Unit (Module) 3

Unit(Module) Pulmonary Function Testing

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Unit (Module) 3

Pulmonary Function Testing

Unit (Module) Pulmonary Function Testing

Requirement

- **Credit points: 2 points for didactic (lectures, seminars, tutorial) and 11.4 point for training.**
 - Minimal rate of attendance 80% of training and didactic
 - MCQ Assessment (One MCQ examination at the second half of the second year)



Year 2

(1 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3	1	Chest	Year 2	50% of the didactics of Unit 3
Pulmonary Function Testing	0.25		<ul style="list-style-type: none"> ➤ Pulmonary dysfunction in different chest disease ➤ Indication of pulmonary function testing 	
	0.5		<ul style="list-style-type: none"> ➤ Spirometry and flow volume loop ➤ Reversibility testing 	
	0.25		<ul style="list-style-type: none"> ➤ Blood gases and its disturbances 	
	0.25		<ul style="list-style-type: none"> ➤ Diffusions 	
Student signature			Principle coordinator Signature	Head of the department signature



(5 credit point for Training in Unit 3)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Pulmonary Function Testing unit	5	Chest department	Year 2	44 % of the training in Unit 3
	5		<ul style="list-style-type: none"> ➤ Practice for at least 5 weeks Pulmonary Function Testing unit ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	100%
Student signature			Principle coordinator Signature	Head of the department signature

• Log of the following cases

Case	Number
- Bronchial Asthma*	15 cases
- COPD*	15 cases
- Interstitial lung diseases*	15 cases
- Occupational lung diseases	5 cases
- Respiratory Failure*	25 cases
- Unexplained dyspnea	5 cases
- Preoperative evaluation	10 cases
- Pulmonary dysfunction in different chest disease	15 cases
- Indication of pulmonary function testing	15 cases

* As logged in Unit (Module) Pulmonary Medicine and Tuberculosis

✚ Log of :

- Perform 25 Blood gases (10 supervised)
- Perform 15 spirometry (10 supervised)
- Interpret 15 Spirometry
- Interpret 10 Blood gases
- Interpret 5 Lung volumes
- Interpret 5 Diffusion
- Prescribe and /perform 10 Reversibility test
- Prescribe and perform 10 Oxygen therapy



Year 3

(1 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3	1	Chest	Year 3	50% of the didactics of Unit 3
Pulmonary Function Testing	0.25		<ul style="list-style-type: none"> ➤ Lung volumes ➤ Principles of Airway resistance 	
	0.25		<ul style="list-style-type: none"> ➤ Principles of Exercise testing ➤ Ventilation/perfusion matching ➤ Disability evaluation ➤ Pre-operative evaluation of PF 	
	0.25		<ul style="list-style-type: none"> ➤ Small airway function ➤ Bronchial provocation testing ➤ Potable Peak expiratory flow rate 	
	0.25		<ul style="list-style-type: none"> ➤ Interpretation of pulmonary function test 	
Student signature			Principle coordinator Signature	Head of the department signature



(6.4 credit point for training in Unit 3)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Pulmonary Function Testing unit	6.4	Chest department	Year 3	56% of the training in Unit 3
	5		<ul style="list-style-type: none"> ➤ Practice for at least 5 weeks in Pulmonary Function Testing unit ➤ Log of pulmonary cases as mentioned below ➤ Procedures log as mentioned below 	78%
	1.4		➤ Formative assessment	12%
Student signature			Principle coordinator Signature	Head of the department signature

• Log of the following cases

Case	Number
- Bronchial Asthma*	15 cases
- COPD*	15 cases
- Interstitial lung diseases*	15 cases
- Occupational lung diseases	5 cases
- Respiratory Failure*	25 cases
- Unexplained dyspnea	5 cases
- Preoperative evaluation	10 cases
- Pulmonary dysfunction in different chest disease	15 cases
- Indication of pulmonary function testing	15 cases

* As logged in Unit (Module) Pulmonary Medicine and Tuberculosis

✚ Log of :

- Perform 25 Blood gases
- Perform 10 spirometry
- Interpret 10 Spirometry
- Interpret 15 Blood gases
- Interpret 5 Lung volumes
- Interpret 5 Diffusion
- Prescribe and /perform 10 Reversibility test
- Prescribe and perform 10 Oxygen therapy



Unit (Module) Pulmonary Function Testing

A. Attendance and cases log

Attendance

Duration From –to	Signature of supervisor	Duration From –to	Signature of supervisor

Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



B- Post graduate teaching

First: lectures

Date	Title of lecture	Signature of Staff member



كلية الطب



Chest Department
Faculty of Medicine

B- Post graduate teaching

Third: Clinical Teaching

Date	Title of Clinical Teaching	Signature of Staff member

C- Procedures log book Perform Blood gases (50 cases 10 supervised)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed

C- Procedures log book Perform spirometry (25 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
 A- Independent performance
 B- Performance under supervision
 C- Observed



C- Procedures log book Interpret spirometry (25 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book Interpret Blood gases (25 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book Interpret Lung volumes (10 cases)

NO.	Level of competency*	Location	Signature

Interpret Diffusion (10 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book
Prescribe & Perform Oxygen therapy (20 cases)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



Postgraduate student's program Rotation in training assessment

* **Name:**

* **Period of training From:**

To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2)		(4)		(6)	strongly agree (7)
			(3)	(5)				
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								



General skills	could not judge (0)	strongly disagree(1)	↩ ↪		↩ ↪		↩ ↪	strongly agree (7)
			(2)	(3)	(4)	(5)		
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								

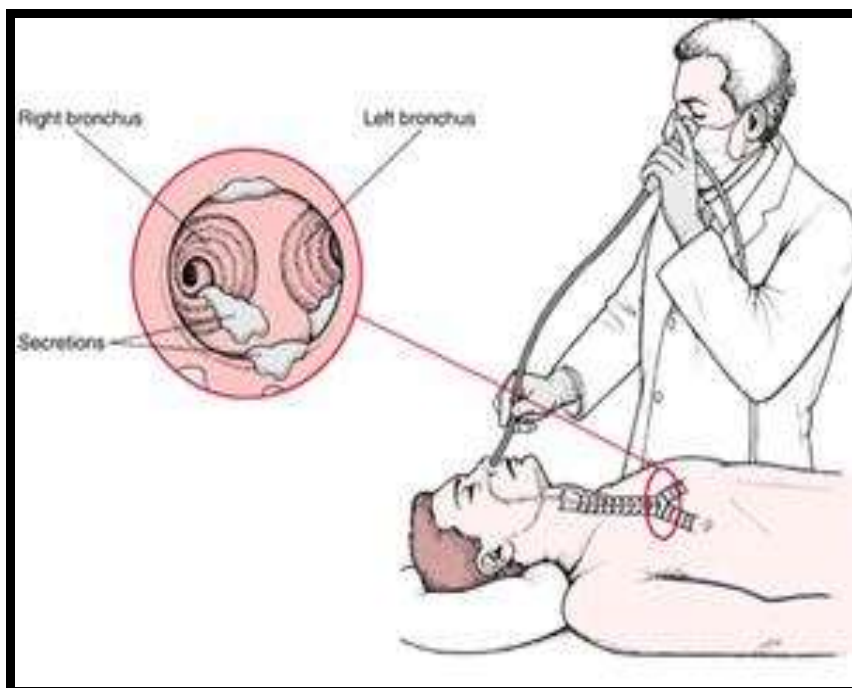


General skills	could not judge (0)	strongly disagree(1)	↔		↔		strongly agree (7)
			(2)	(3)	(4)	(5)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.							
Work effectively in relevant health care delivery settings and systems including good administrative and time management							
Practice cost-effective health care and resource allocation that does not compromise quality of care.							
Assist patients in dealing with system complexities.							

Unit (Module) 4

Diagnostic & Interventional Bronchoscopy

Diagnostic & Interventional Bronchoscopy & Medical Thoracoscopy





Unit (Module) 4
Diagnostic & Interventional Bronchoscopy & Medical
Thoracoscopy

Requirements

- **Credit points: 1 point for didactic (lectures, seminars, tutorial) and 5.7 point for training.**
 - Minimal rate of attendance 80% of training and didactic
 - MCQ Assessment (One MCQ examination at the second half of the second year)



Year 2

(1 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 4 Diagnostic & Interventional Bronchoscopy & Medical Thoracoscopy	1	Chest	Year 2	100 % of the didactics of Unit 4
	0.5		5 hours <ul style="list-style-type: none"> ➤ Early detection of lung cancer. ➤ the principles & physics for Fibro-optic Bronchoscopy 	
	0.5		5 hours <ul style="list-style-type: none"> ➤ Each interventional modality including that of Laser the principles & physics for Fibro-optic Bronchoscopy ➤ Rigid bronchoscopy ➤ Medical Thracoscopy 	
Student signature			Principle coordinator Signature	Head of the department signature



(5.7 credit points for training in Unit 3) could be achieved in any year

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Bronchoscopy unit	5.7	Chest department	Any year	44 % of the training in Unit 3
	3		➤ Attend 21 diagnostic bronchoscopy sessions	52.7%
	1		➤ Attend 7 interventional bronchoscopy sessions	17.5%
	1		➤ Attend 7 medical thoracoscopy sessions	17.5%
	0.7		➤ Formative Assessment	12.3%
Student signature			Principle coordinator Signature	Head of the department signature

**Unit (Module) Diagnostic & Interventional Bronchoscopy
& Medical Thoracoscopy****A- Clinical cases log book**

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



كلية الطب



Chest Department
Faculty of Medicine

A- Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
- A- Plan and carry out
 - B- Carry out
 - C- Carry out under supervision



كلية الطب



Chest Department
Faculty of Medicine

B- Post graduate teaching
First : lectures

Date	Title of lecture	Signature of Staff member



C- Procedures log book Attend diagnostic bronchoscopy (21 sessions)

NO.	Level of competency*	Location	Signature

* Level of competency
A- Independent performance
B- Performance under supervision
C- Observed



C- Procedures log book
Attend interventional bronchoscopy (7 sessions minimum)

NO.	Level of competency*	Location	Signature

Attend medical thoracoscopy (7 sessions)

NO.	Level of competency*	Location	Signature

* Level of competency

- A- Independent performance
- B- Performance under supervision
- C- Observed



Postgraduate student's program
Rotation in training assessment

* *Name:*

* *Period of training From:*

To:

* *Site:*

**Rotation*

General skills	could not judge (0)	strongly disagree(1)	↩		↩		strongly agree (7)
			(2)	(3)	(4)	(5)	
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).							
Appraises evidence from scientific studies.							
Conduct epidemiological studies and surveys.							
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.							



General skills	could not judge (0)	strongly disagree(1)	↔		↔		↔	strongly agree (7)
			(2)	(3)	(4)	(5)		
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								



General skills	could not judge (0)	strongly disagree(1)	↻		↻		strongly agree (7)
			(2)	(3)	(4)	(5)	
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.							
Work effectively in relevant health care delivery settings and systems including good administrative and time management							
Practice cost-effective health care and resource allocation that does not compromise quality of care.							
Assist patients in dealing with system complexities.							

Unit (Module) 5

Sleep Medicine





Unit (Module) 5

Sleep Medicine

Requirements

- Credit points: 1 point for didactic (lectures, seminars, tutorial) and 5.7 for training.
 - Minimal rate of attendance 80 % of training and didactic
 - Regular MCQ assessment (One MCQ examination at the second half of the third year)



Year 2

(1 credit point for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 5 Sleep Medicine	1	Chest	Year 2	100 % of the didactics of Unit 5
	0.5		5 hours <ul style="list-style-type: none"> ➤ Obstructive sleep apnea ➤ Central sleep apnea ➤ Nocturnal hypoventilation in other diseases (COPD, restrictive disease, asthma) 	
	0.5		5 hours <ul style="list-style-type: none"> ➤ Polysomnography ➤ Airflow and respiratory effort measurements ➤ Cardiorespiratory monitoring ➤ Continuous oximetry measurement 	
Student signature			Principle coordinator Signature	Head of the department signature



(5.7 credit points for training in Unit 3) could be achieved in year 2 or 3

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Sleep unit	5.7	Chest department	Year 2 or 3	100 % of the training in Unit 5
	5		<ul style="list-style-type: none"> ➤ Attend and interpret polysomnography (Number 30) ➤ Log of cases obstructive sleep apnea (Number 30) 	87.7%
	0.7		<ul style="list-style-type: none"> ➤ Formative Assessment 	12.3%
Student signature			Principle coordinator Signature	Head of the department signature



Sleep Medicine A- Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
A- Plan and carry out
B- Carry out
C- Carry out under supervision



A- Clinical cases log book

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- * Level of participation
 A- Plan and carry out
 B- Carry out
 C- Carry out under supervision



كلية الطب



Chest Department
Faculty of Medicine

Sleep Medicine
B- Post graduate teaching
First: lectures

Date	Title of lecture	Signature of Staff member



Postgraduate student's program Rotation in training assessment

* **Name:**

* **Period of training From:**

To:

* **Site:**

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2) (3)		(4) (5)		(6)	strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								



General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								



General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								



Elective Course

Requirements

● **Credit points:** 2 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

One of these courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management



Name of the elective course: -----

Elective Course Lectures

Date	Attendance	Topic	Signature



كلية الطب



Chest Department
Faculty of Medicine

Academic activities

Lecture, journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-

- A- Attendance
- B- Organization
- C- Presentation



Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

- *Degree
- A- Excellent
- B- Very good
- C- Good
- D- Pass



كلية الطب



Chest Department
Faculty of Medicine

الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

1- _____

2- _____

3- _____

4- _____

تاريخ القيد لدرجة : / / _____

تاريخ التسجيل الموضوع : _____

المتابعة الدورية : _____

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين



كلية الطب



Chest Department
Faculty of Medicine

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1			
Unit (Module) 1(Anatomy)			
Unit (Module) 2 (Histology)			
Course 2			
Unit (Module) 1 (Physiology)			
Unit (Module) 2 (Biochemistry)			
Course 3			
Unit (Module) 1 (Pharmacology)			
Unit (Module) 2 (Pathology)			
Course 4			
Unit 1(Microbiology)			
Unit 2 (Public Health)			
Course 5 (Internal Medicine)			
Second Part			
Course 6			
Unit (Module) 1			
Unit (Module) 2			
Unit (Module) 3			
Unit (Module) 4			
Unit (Module) 5			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Chest M Sc Degree Principle Coordinator:			
Date approved by Chest Department Council:			

يعتمد ،
رئيس القسم