

Master Degree of Critical Care Medicine (Complete Log Book)



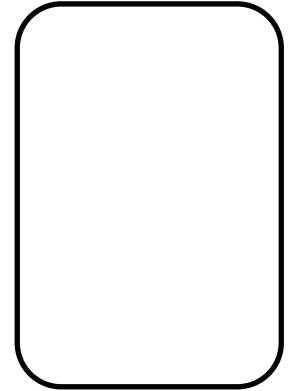
" كراسة الأنشطة "

اللازمة لحصول المتدرب على درجة ماجستير طب الحالات
الحرية
- طبقاً للائحة النقاط المعتمدة -

2016-2017



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
- Quises



Program aims

1/1 To enable candidates to keep with national standards of patients care by teaching high level of clinical skills, bedside care skills, in addition to update medical knowledge as well as clinical experience and competence in the area of gastroenterology, Cardiovascular, rheumatology, endocrine, hematology, nephrology, chest, neurology and geriatric medicine in addition to critical and intermediate care and units , besides dealing with emergent cases in emergency unit and enabling the candidates of making appropriate referrals to a sub-specialist.

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

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

1.4. Enable the candidates to start professional careers as specialists in Egypt but recognized abroad.

1.5 Enabling the candidates to understand and get the best of published scientific research and do their own.

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

○ **Part 1: (One year)**

Program-related essential courses and ILOs

Students are allowed to sit the exams of these courses after 12 months from applying to the MSc degree.

One elective course can be set during either the 1st or 2nd parts.

○ **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 could be set after 12 months from registering the MSc subject; It should be discussed and accepted before passing the second part of examination

○ **Part 2 (2 years)**

Program –related specialized science courses and ILOs

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



First Part

Academic activities of basic sciences

Practice with academic and clinical departments during year 1

- Course 1: Pharmacology
- Course 2: Physiology
- Course 3: Pathology & Clinical pathology
- Course 4: Microbiology & Clinical Biochemistry
- Course 5: Basics of Internal medicine
- Course 6: Anaesthesia



Course 1

Pharmacology

Requirements

- Credit points: 1 credit point.
- Minimal rate of attendance 80% for lectures

Topics as follow:-



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pharmacology	1CPS	Pharmacology	Attendance 10 hours	100%
	0.2		2 hours General pharmacology Antihypertensive Diuretics	20%
	0.2		2 hours Treatment of heart failure, Ischaemic heart diseases Inotropics Antiarrhythmics	20%
	0.1		1 hours Antiplatelets Anticoagulants Thrombolytics	10%
	0.2		2 hours Insulin and Hypoglycemics Treatment of hypo and hyperthyroidism Drugs of bronchial ashma and status ashmaticus	20%
	0.2		2 hours NSAIDs -Corticosteroids DMARD- Gout, anti-epileptics	20%
	0.1		1 hours Antibiotics -Antiviral – Antacids-anaesthetics	10%
	Student signature			Principle coordinator signature



Pharmacology course lectures

Date	Attendance	Topic	Signature



Course 2

PHYSIOLOGY

Requirements

- Credit points: 2 credit point.
- Minimal rate of attendance 80% for lectures

Topics as follow:-

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	Total 2CPS	Physiology	Attendance of 20 hours	100%
	0.6		6 hours A-Physiologic Principles of Cardiovascular system: 1- The innervations of the heart 2- The regulation of the heart rate. 3- The arterial blood pressure and its regulation. 4- Phases of action potential 5- Pulmonary and coronary circulation. 6- Haemorrhage and its compensatory reaction. 7- ECG and its clinical significant.	30%
	0.4		4hours B-Endocrine and metabolism 1- Regulation of blood glucose 2- Physiology of thyroid gland 3-Physiology of adrenal gland 4-Calciumhomeostasis 5-Regulation of body temperature:	20%
	0.4		4 hours C-GIT: 1-Gastrointestinal Hormones gut and pancreas D-Respiratory System: 1- Know the regulation of normal respiration and physiology of respiration. 2- Gas transport in blood (oxygen dissociation curve and CO2 curve) 3- Blood gases	20%
	0.6		6 hours E-CNS 1- Describe the structure and functions of the ANS 2- Know its higher centers. Pain F-Nephrology 1- Acid base balance (mechanisms and abnormalities) 2- Urine formation 3- Hormones of the kidney	30%
Student signature			Principle coordinator Signature	Head of the department signature



Physiology lectures

Date	Attendance	Topic	Signature



COURSE 3 UNIT 1

PATHOLOGY

Requirements

- Credit points: 1.5 credit point.
- Minimal rate of attendance 80% for lectures

Topics as follow:-

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	1.5 CPS	Pathology	Attendance of 15 hours	100%
	0.5		<p>5 hour</p> <p>a-Pathologic Details of Cardiovascular System:</p> <ul style="list-style-type: none"> - Heart failure -Hypertension -Atherosclerosis -Cardiomyopathy -Ischemic heart disease 	33.34%
	0.3		<p>3 hour</p> <p>B. Gastrointestinal system:</p> <ul style="list-style-type: none"> -Inflammatory bowel diseases peptic ulcer -Malabsorption 	20%
	0.4		<p>4 hour</p> <p>C-Respiratory system</p> <ul style="list-style-type: none"> -Pneumonia -Respiratory failure -Pulmonary embolism 	26.66%
	0.3		<p>3 hour</p> <p>D-General Pathology of:</p> <ul style="list-style-type: none"> -Thrombosis and embolism - Infections -circulatory disturbances. 	20%
Student signature			Principle coordinator Signature	Head of the department signature



Pathology lectures

Date	Attendance	Topic	Signature



Course 3 Unit 2

Clinical pathology

Requirements

- Credit points: 1.5 credit point.
- Minimal rate of attendance 80% for lectures
- Topics as follow:-

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical pathology	1.5 CPS	Clinical pathology	15 hours	100%
	0.3		3 hours Blood picture Bone marrow Blood culture	20%
	0.3		3 hours Kidney function tests Liver function tests	20%
	0.3		3 hours Urine analysis and Proteinuria Cerebrospinal fluid Immunologic tests	20%
	0.3		3 hours Electrolytes (Sodium, potassium, and calcium) Cardiac markers Blood glucose assessment tests	20%
	0.3		3 hours Hepatitis markers Plasma proteins hemolysis	20%
Student signature				Principle coordinator Signature

Course 4 unit 1

Microbiology

Requirements

- Credit points: 1 credit point.
- Minimal rate of attendance 80% for lectures

Topics as follow:-

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Microbiology	1 CP	Microbiology	Attendance of 10 hours	100%
	0.2		2 hours -Infectious agents (Gm +ve, Gm -ve, T.B, Zoonosis, typhoid,brucellosis, candidiasis	20%
	0.2		2 hours -Antibiotics and antimicrobial.	20%
	0.1		1 hour HIV infection	10%
	0.1		1 hour Hospital acquired infection	10%
	0.1		1hour Community acquired infection	10%
	0.1		1 hours -Sterilization and disinfection	10%
	0.2		2 hour Hypersensitivity reactions Food poisoning	20%
Student signature			Principle coordinator signature	Head of the department signature



Course 4

Unit 2

Biochemistry

Requirements

Credit points: 1credit point.

Minimal rate of attendance 80% for lectures

Topics as follow



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Faculty of Medicine

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Biochemistry	1 CP	Biochemistry	Attendance of 10 hours	100%
	0.2		2 hours Insulin, growth hormone	20%
	0.2		2 hours Protein metabolism	20%
	0.2		2 hours Carbohydrate metabolism	20%
	0.2		2 hours Lipid metabolism	20%
	0.2		2 hours Cardiac enzymes	20%
Student signature			Principle coordinator signature	Head of the department signature



Course 5 Basics of Internal Medicine

Requirements

- Credit points: 5 credit point for didactic (lectures, seminars, tutorial) (in the first 6 months of the first year)
- 8 point for training (8 weeks training in out patients clinic and inpatient department (group1, 2, 3)
 - + Minimal rate of attendance 80% of didactic and training

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of internal medicine	5 CPS	Internal medicine department	50 hours attendance or 25 hours active participation (lectures, seminars, tutorials)	100%
	1		10 hours -Basis of Clinical examination in internal medicine -Clinical examination of critically ill patients	20%
	1		10 hours -Recognition and assessment of the critically ill patients Fluid therapy Poisoning	20%
	1		10hours -Presenting problem in critically ill patients:- <ul style="list-style-type: none"> • Circulatory failure, shock • Respiratory failure, ARDS • Acute kidney injury • Sepsis, DIC 	20%
	1		10 hours Etiology, clinical picture, diagnosis and management of the common GIT diseases (LC, ascitis, jaundice, hepatic malignancy)	20%
	1		10 hours Principles of infectious diseases Fever and PUO	20%
Student Signature			Principle Coordinator Signature	Head of the department signature



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Basics of internal medicine course lectures

Date	Attendance	Topic	Signature



كلية الطب

Faculty of Medicine

Basic of internal medicine course lectures

Date	Attendance	Topic	Signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of internal medicine	Total 8 CPS	Internal medicine department	8 weeks Training	100%
	3		Attendance 3 weeks (90 hours) in General outpatient clinic of internal medicine - Log of the following cases : -Different infections -Abdominal pain -undiagnosed haematological diseases (pallor, bleeding tendency) -undiagnosed rheumatological diseases(polyarthralgia) -Generalized edema	40%
	2		Night shift in the department at least once per week for 4 weeks	20%
	3		Attendance 3 wks in inpatient department (group1,2,3) -log of the cases who will be admitted from outpatient clinic -Attendance of clinical round with the staff member in each group	40%
Student signature			Principle coordinator Signature	Head of the department signature



1-Clinical Rotation, Outpatient clinic, Case log and Night Shift

Clinical Rotation

Date/ Duration from -to	Location	Signature of supervisor



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Outpatient clinic

Date/ Duration from -to	Signature of supervisor	Date/ Duration from -to	Signature of supervisor



(Clinical case log)

Date	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)

Date	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

Date	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

Date	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



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



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2-Staff groups Clinical rounds log

Date	Place	Attendance	Case presentations	Signature of supervisor



Course 6: Anaesthesia and Intensive care

Requirements

- **Credit points:** 1 credit point for didactic (lectures, seminars, tutorial) and 2 point for training.
- ✚ Minimal rate of attendance 80% of didactic and training

Topics as follow:-

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anesthesia	1 CP	Anesthesia and intensive care department	10 hours attendance or 5 hours active participation (lectures, seminars, tutorials)	100%
	0.2		2hours 1. Indications of admission to ICU 2. Management of the Elderly Patient in the ICU 3. Disorders Fluids- Fluid therapy 4. Invasive& noninvasive assessment of arterial blood gases	20%
	0.2		2 hours - The principles of Mechanical ventilation:- 1. Objectives of mechanical ventilation 2. Indications of mechanical ventilation 3. Modes and settings of mechanical ventilation 4. Weaning from mechanical ventilation 5. Non invasive positive pressure ventilation 6. Complications of mechanical ventilation 7. Sedation and muscle relaxants	20%
	0.2		2hours -Infection in ICU 1. Ventilator associated pneumonia 2. Sepsis syndrome. 3. Empirical antibiotic therapy	20%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
	0.2	Anesthesia and intensive care department	<p>2 hours</p> <p>-Airway management</p> <p>1-Nasal and oral airways</p> <p>2-Laryngeal mask airway</p> <p>3- Endo tracheal tube Suction</p>	20%
	0.2		<p>2 hours</p> <p>-Care of Patients with Environmental Injuries</p> <ul style="list-style-type: none"> • Heat Stroke • Hypothermia • Electric Shock <p>-Airway management</p> <p>-Nasal and oral airways</p> <p>-Laryngeal mask airway</p> <p>-Endotracheal tube Suction</p>	20%
Student signature			Principle coordinator Signature	Head of the department signature

Log of cases in Anesthesia and intensive care department

Name of the course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Anesthesia and intensive care	2	Anesthesia and intensive care	2 weeks	100%
			<p>Attendance of 2 weeks (60 hours) in anesthesia and intensive care units :</p> <p>Log for the following cases</p> <ul style="list-style-type: none"> -All cases under mechanical ventilation (indication, procedures) -Drug poisoning -Fluid therapy -Snake and scorpion bite -Electrolyte disturbance -Acid base imbalance -Nutrition -Care of comatosed patients -Care of elderly patients 	
Student signature			Principle coordinator Signature	Head of the department signature



Clinical case log

Date	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

Date	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

Procedures related to course 7

Procedure	Number
Central venous line insertion	Level C 5 Level B 5 Level A 5
Arterial blood gases sampling and interpretation	Level C 5 Level B 3 Level A 5
Mechanical ventilation	Level C 5 Level B 3 Level A 5
Air way suction	Level C 5 Level B 5 Level A 5



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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

Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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

specialized coursetraining in the first year

I-advanced internal medicine

Requirements

● **Credit points:** 6 credit point for training only during year 1

Minimal rate of attendance 80% of training

The candidate spend 6 month in both:

A-General emergency unit3CPS

B-Rheumatology unit3CPS

Training in Advanced Internal Medicine during year 1

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Advanced internal medicine	6CPS	Internal medicine	Training for 6 weeks in General emergency unit and Rheumatology unit	100%
Training for 3 weeks in General emergency unit (3 CPS)				50%
	2 CPS		<p>Attendance 2 weeks (60 hours) in general emergency units and including at least 2 night shift :</p> <p>Log for the following cases</p> <ul style="list-style-type: none"> -All admitted cases to general emergency unit of different specialities -First aid management of: <ul style="list-style-type: none"> *Drug poisoning *Fluid therapy *Snake and scorpion bite *Electrolyte disturbance *Acid base imbalance *Hematemesis *Shock 	
	1CP		<p>Attendance 1 weeks (30 hours) in general emergency units (CPR) :</p> <p>Log for the following cases:</p> <ul style="list-style-type: none"> -CPR cases -Workup of comatosed patients -Out patient management of DM complications 	
Student signature			Principle coordinator Signature	Head of the department signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Training for 3 weeks in Rheumatology unit (clinical rotation, outpatient clinic, night duty) (3 CPS)				50%
Rheumatology unit	2CPS	Internal medicine	Attendance 2 weeks (60 hours) in rheumatology unit (inpatients and outpatients clinic) Log for the following cases -all admitted cases to rheumatology unit including: *Polyarthralgia cases. *RA (clinical picture, investigations, management) *SLE (clinical picture, investigations, management) *Lupus nephritis (early cases) *Gouty arthritis *Mixed CT disease *Complications of steroid therapy	
	1CP		Attendance (30 hours) in 2 night shifts : Log for the following cases: -All cases admitted to rheumatology unit	
Student signature			Principle coordinator Signature	Head of the department signature



Log cases **in** general emergency unit

Date	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



Date	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 in the rheumatology unit

Date	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



Procedure log (related to **Advanced internal medicine during first year**)

Procedure	Number
Intravenous cannulation	Level C 5 Level B 5 Level A 5
Nasogastric tube insertion	Level C 5 Level B 5 Level A 5
Arterial blood gases sampling	Level C 5 Level B 3 Level A 5
plasmapheresis	Level C 5 Level B 3 Level A 5



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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



II- Rheumatological critical care unit

Requirements

● **Credit points:** 8 credit points for training only

Minimal rate of attendance 80% of training

The resident spends 2-3 months training in the rheumatologic care unit in the first year

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Rheumatological Care unit	8 CPS	Internal medicine	Attendance of at least 8 weeks In the second half of year 1	100%
	6 CPS		Attendance of at least 6 weeks Rheumatological Care unit Log for the following cases: -Proper history taking and examination of all cases admitted to the rheumatological care unit -Proper diagnosis and management of *lupus nephritis *lupus cerebritis *lupus carditis and pericardial effusion *acute attack of rheumatoid arthritis *scleroderma and Reynaud's phenomena *TTP	75%
	2 CPS		Attendance of at least one night shift per week (8 hours for each) for 4 weeks	25%
Student signature			Principle coordinator Signature	Head of the department signature



Date	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



Night Shift During year 1

Date	Location	Signature of supervisor

Second part

Course 7: Advanced Internal Medicine

Requirements

- **Credit points:** 10 credit point for didactic during year 2 and 40 credit point for training during year 2 and 3 & In addition to 6 CPS during year 1 as mentioned above.

Minimal rate of attendance 80% of didactic and training

Topics:

The candidate spend the first 10 months of the second year in different units of internal medicine department as follow:

- Cardiology unit.....2month
- Gastroenterology.....2 month
- Nephrology.....2month
- Hematology unit 1month
- Endocrinology.....1.5 month
- Neurology.....3 weeks In neurology department
- Chest.....3 weeks in chest department

Rotation / attendance proof
الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Units' Titles' list (Course 7 Advanced Internal Medicine)	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
Unit 1 Cardiovascular	17%	2 nd	1.7	8CP	9.7
Unit 2 Gastroenterology & Hepatology	17%	2 nd	1.7	8CP	9.7
Unit 3 Nephrology and dialysis	17%	2 nd	1.7	8CP	9.7
Unit 4 Endocrinology and diabetes	14.5%	2 nd	1.5	6CP	7.5
Unit 5 Hematology	8.5%	2 nd	0.8	4CP	4.8
Unit 6 Chest disease	6.5%	2 nd	0.65	3CP	3.65
Unit 7 Neurological disease	6.5%	2 nd	0.65	3CP	3.65
Unit 8 Rheumatologic disease	6.5%	1 st , 2 nd	0.65	3 CP	3.65
Unit 9 General emergency unit	6.5%	1 st , 2 nd	0.65	3CP	3.65
			10	46	56

(10 credit point for didactic in **Advanced Internal Medicine** including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced Internal medicine	10 CPS	Internal-medicine	Year 2	100 % didactic of the Course 7
	6 CPS for Lectures		Topics and attendance 60 hours One lecture /week (Lectures Schedule as described below	60%
	2.25 CPS		Seminars One hour- once / week for at least 6 month <ul style="list-style-type: none"> ➤ Attendance of at least -80% of the clinical seminars for residents ➤ Attendance of at least 60% of the clinical seminars for the external ➤ Presentation of at least 1 time in the seminar 	20.25%
	1 CP		10 hours Conference or workshop	10%
	0.75 CP		Formative assessment	9.75 %
Student signature			Principle coordinator Signature	Head of the department Signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Advanced internal medicine course	40 CPS	Internal medicine department	Rotation between the seven major units of internal medicine	100%
	20 CPS		<ul style="list-style-type: none"> ➤ Practice with clinical cases in each unit of the department including interpretation of their different related laboratory investigation ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	50%
	10 CPS		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) at least 1/week for 20 weeks 	25%
	7 CPS		<ul style="list-style-type: none"> ➤ Attendance in the Outpatient clinic twice per week (5 hours) for at least 6 month 	17.5%
	1 CPS		<ul style="list-style-type: none"> ➤ Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 15 Weeks 	2.5%
	2 CPS		<ul style="list-style-type: none"> ➤ Mini Clinical Exam 	5 %
Student signature			Principle coordinator Signature	Head of the department Signature



Rotation and attendance in different units

Date From - to	Unit	Duration	Signature of supervisor



Module(1) Cardiovascular unit

Requirement:

1.7 CPS for didactic (1 CP for lectures and 0.7 CP for seminar and conference) and 8 CP for training

The candidates spend 2 months in the 2nd year in cardiology unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance During year 2	Percentage of Achieved points
Cardiovascular Unit	1 CP	Internal medicine	10 hours attendance or 5 hours active participation	100%
	0.25 CP		2.5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: a- Myocardial ischemia syndromes like chronic stable angina, acute coronary syndromes, coronary artery spasm, and others. b-Hypertension and hypertensive heart diseases. c-Rheumatic fever and rheumatic heart diseases.	25%
	0.25 CP		2.5 hours a. Different pericardial diseases, whether acute or chronic. b. Acute and chronic diseases of the myocardial muscle. c. Arrhythmias	25%
	0.2 CP		2hours d. Interrelation ship between the heart and other body systems. e. Drug and non drug therapy of different cardiac diseases. f. Indications for echocardiography (transthoracic and transoesophageal	20%
	0.1 CP	1 hours	update and evidence based Knowledge of: a. - Myocardial ischemia syndromes like chronic stable angina, acute coronary syndromes, coronary artery spasm, and others. b. Arrhythmias	10%
	0.2 CP		MCQ Exam	20%
Student signature			Principle coordinator Signature	Head of the department signature



Cardiovascular course lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance During year 2	Percentage of Achieved points
Cardiovascular	8 CPS	Internal medicine	8 weeks attendance in the cardiovascular unit of internal medicine department	100%
	4		4 weeks attendance in inpatient cardiovascular unit of internal medicine and log of all admitted cardiac cases: *Rheumatic heart disease diagnosis ,investigations and treatment *Infective endocarditis *Uncontrolled hypertension *Heart failure *Arrhythmias(AF, SVT) follow up *Chronic stable angina and ischemic heart failure	50%
	1.5		1.5 weeks (45 hours = two outpatient clinic /week for 4 weeks) - log of all cases presented to outpatients clinic	18.75%
	1.5		45 hours attendance as night shift in the department i.e total 3 night shifts (once /week) Log of all cases admitted to the department (history, examination, investigations Diagnosis and treatment)	18.75%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups and conferences (3 hours /week for 5 weeks)	6.25%
	0.5		Mini clinical Exam	6.75%
Student signature			Principle coordinator Signature	Head of the department signature



Date	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



Date	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



Outpatient clinic

Date	Signature of supervisor	



Night Shift

Date	Signature of supervisor	



Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor



Module(2) Gastroenterology unit

Requirement:

1.7 CPS for didactic (1 CP for lectures and 0.7 CP for seminar and conference) and 8 CP for training

The attendance spend 2 months in the 2nd year in Gastroenterology unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 2	Percentage of Achieved points
Gastroenterology	1CP	Internal medicine	10 hours attendance or 5 hours active participation	100%
	0.25 CP		2.5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: a. Malabsorption b. Acute and chronic diarrhea c. Acid pepsin disorder and peptic ulcer d. GIT malignancy e. GIT motility disorders f. Esophageal disorders g. Acute and chronic hepatitis h. Liver cirrhosis	25%
	0.25 CP		2.5 hours i. Hepatic encephalopathy j. NASH k. Hepatic malignancy l. Acute and chronic pancreatitis m. Tumors of the pancreas	25%
	0.1CP		1 hours Mention the principles of : Cholangitis Medical acute abdomen Acute liver cell failure.	10%
	0.2 CP		2 hours Update and evidence based knowledge of: Malabsorption Acute and chronic diarrhea Acid pepsin disorder and peptic ulcer GIT malignancy GIT motility disorders Esophageal disorders Acute and chronic hepatitis Liver cirrhosis	20%
	0.2CP		MCQ Exam	20%
Student signature			Principle coordinator Signature	Head of the department signature



Gastroenterology course lectures

Date	Attendance	Topic	Signature



Gastroenterology course lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Gastroenterology	8	Internal medicine	8 weeks attendance in the gastroenterology unit of internal medicine department	100%
	4		4 weeks attendance in inpatient gastroenterology unit of internal medicine log of all admitted GIT cases : (history, exam., investigation, treatment) *liver cirrhosis (compensated and decompensated) *controlled upper GIT bleeding. *inflammatory bowel disease and chronic diarrhea *ascitis *jaundice *chronic hepatitis	50%
	1.5		1.5 weeks (45 hours = two outpatient clinic /week for 4 weeks) - log of all cases presented to outpatients clinic	18.75%
	1.5		45 hours attendance as night shift in the department i.e total 3 night shifts (once /week) Log of all cases admitted to the department (history, examination, investigations Diagnosis and treatment)	18.75%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups and conferences (3 hours /week for 5 weeks)	6.25%
	0.5		Mini clinical Exam	6.75%
Student signature			Principle coordinator	
			Signature	



Date	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



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Faculty of Medicine

Date	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



Outpatient clinic

Date	Signature of supervisor



Night Shift

Date	Signature of supervisor



Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor



Module(3)Nephrology unit

Requirement:

1.7 CPS for didactic (1 CP for lectures and 0.7 CP for seminar and conference) and 8 CP for training

The candidates spend 2 months in the 2nd year in Nephrology unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 2	Percentage of Achieved points
Nephrology	1CP	Internal medicine	10 hours attendance or 5 hours active participation	100%
	0.25 CP		2.5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: a. Glomerulonephritis b. Nephrotic syndrome c. Tubulo interstitial disease	25%
	0.25 CP		2.5 hours d. Renal failure e. UTI f. Kidney in systemic disease.	25%
	0.1 CP		1 hours The principles of : a. Renal vascular disease b. Dialysis	10%
	0.2 CP		2.5 hours Update and evidence based Knowledge of: a. - Nephrotic syndrome b. Renal failure c-Kidney in systemic disease	20%
	0.2 CP		MCQ Exam	20%
Student signature			Principle coordinator Signature	Head of the department signature



Nephrology course lectures

Date	Attendance	Topic	Signature



Nephrology course lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Nephrology	8	Internal medicine	8 weeks attendance in the nephrology unit of internal medicine department	100%
	4		<p>4 weeks attendance in inpatient nephrology unit of internal medicine log of all admitted renal cases:(history, exam., investigation, treatment)</p> <ul style="list-style-type: none"> *Acute and chronic renal failure *Nephrotic syndrom *Postpartum acute renal failure *Haemodialysis and its complications *Glomerulonephritis *Tubulointerstitial disorders *Nephrogenic diabetes insipidus 	50%
	1.5		1.5 weeks (45 hours = two outpatient clinic /week for 4 weeks) - log of all cases presented to outpatients clinic	18.75%
	1.5		<p>45 hours attendance as night shift in the department i.e total 3 night shifts (once /week)</p> <p>Log of all cases admitted to the department (history, examination, investigations Diagnosis and treatment)</p>	18.75%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups and conferences (3 hours /week for 5 weeks)	6.25%
	0.5		Mini clinical Exam	6.75%
Student signature			Principle coordinator	
			Signature	

Date	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



Date	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



Night shifts

Date	Signature of supervisor



Module(4)Endocrinology and diabetes mellitus

Requirement:

1.5 CPS for didactic (1 CP for lectures and 0.5 CP for seminar and conference) and 6 CP for training

The candidates spend 1.5 months in the 2nd year in endocrinology unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 2	Percentage of Achieved points
Endocrinology	1CP	Internal medicine	10 hours attendance or 5 hours active participation	100%
	0.25 CP		2.5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: a. Diabetes mellitus b. Thyroid and parathyroid diseases c. Adrenal gland diseases d. Obesity	25%
	0.25 CP		2.5 hours e. Pituitary gland diseases f. Diabetes insipidus g. Short stature h. Diabetes insipidus i. Osteoporosis	25%
	0.25 CP		2.5 hours Mention the principles of : a. Growth disorder b. Ca homeostasis	25%
	0.15 CP		1.5 hours Update and evidence based Knowledge of endocrinal diseases	15%
	0.1 CP		MCQ exam	10%
Student signature			Principle coordinator Signature	Head of the department signature



Endocrinology course lectures

Date	Attendance	Topic	Signature



Endocrinology course lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Endocrinology	6	Internal medicine	6 weeks attendance in the endocrinology unit of internal medicine department	100%
	3		<p>3 weeks attendance in inpatient endocrinology unit of internal medicine log of all admitted renal cases :(history, exam., investigation, treatment).</p> <ul style="list-style-type: none"> *Newly diagnosed DM *Uncontrolled DM *Diabetic foot *hyper and hypothyroidism *Shehan syndrom *Acromegaly *Caushing syndrome 	50%
	1.5		1.5 weeks (45 hours = two outpatient clinic /week for 4 weeks) log of all cases presented to outpatients clinic of endocrinology unit	25%
	1		<p>30 hours attendance as a night shifts in the department i.e 2 Total night shifts (once /week)</p> <p>Log of all cases admitted to the department (history, examination, investigations Diagnosis and treatment)</p>	18.75%
	0.25		Attendance of at least 60% of clinical rounds of the staff groups (1.5 hours /week for 5 weeks)	3.125%
	0.25		Mini Clinical Exam	3.125%
Student signature			Principle coordinator	
			Signature	



Date	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



Date	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



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Faculty of Medicine

Endocrinology out patients clinic

Date	Signature of supervisor



Module(5)Haematology

Requirement:

0.8 CPS for didactic (0.5 CP for lectures and 0.3 CP for seminar and conference) and 4 CP for training

The candidates spend one month in the 2nd year in haematology unit of internal medicine
Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance During year 2	Percentage of Achieved points
Haematology	0.5 CP	Internal medicine	5 hours attendance or 2.5 hours active participation	100%
	0.25 CP		<p>2.5 hours</p> <p>Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions:</p> <ul style="list-style-type: none"> a. Anemias (Iron deficiency, Megaloblastic, Hemolytic) b. Hemoglobinopathies c. Bone marrow aplasia d. Myelodysplastic syndromes e. Acute leukemias f. Clotting disorders g. Thrombophilia (predisposition, causes) 	50%
	0.2 CP		<p>2 hours</p> <ul style="list-style-type: none"> h. Abnormalities in Granulocytes (neutropenia, leukomoid reaction) i. Disorders of Bleeding (platelet function and number disorders) Vascular disorders j. Neutropenic patients k. Critically thrombocytopenic patients l. Hypovolaemic shock 	40%
	0.05 CP		MCQ Exam	10%
Student signature			Principle coordinator Signature	Head of the department signature



Haematology course lectures

Date	Attendance	Topic	Signature



كلية الطب

Faculty of Medicine

Haematology course lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Training in Haematology	4	Internal medicine	4 weeks attendance in the Haematology unit of internal medicine department	100%
	2		<p>2 weeks attendance in inpatient endocrinology unit of internal medicine log of all admitted renal cases :(history, exam., investigation, treatment)</p> <ul style="list-style-type: none"> *All cases of anamias *Haemolytic anamias including autoimmune *Leukamias and lymphomas *bleeding tendency (ITP, haemophilias,von willbrand) 	50%
	1		<p>1 weeks (30 hours = two outpatient clinic /week for 3 weeks)</p> <p>log of all cases presented to outpatients clinic of haematology unit</p>	25%
	1		<p>30 hours attendance as a night shifts in the department i.e 2 Total night shifts (once /week)</p> <p>Log of all cases admitted to the department (history, examination, investigations Diagnosis and treatment)</p>	25%
	0.25		Attendance of at least 60% of clinical rounds of the staff groups (1.5 hours /week for 5 weeks	3.125%
	0.25		Mini Clinical Exam	3.125%
Student signature			Principle coordinator	
			Signature	



Date	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

Faculty of Medicine

Date	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



Haematology out patients clinic

Date	Signature of supervisor

Night shifts

Date	Signature of supervisor



Module(6) chest diseases

Requirement:

0.65 CPS for didactic (0.25 CP for lectures and 0.40 CP for seminar and conference) and 3 CP for training

The attendance spend 3 weeks in the 2nd year in the chest department

Minimal rate of attendance is 80%

Topics:-as follow



Name of the course	Credit Point	Responsible department	Attendance during year 2	Percentage of Achieved points
Chest diseases	0.25 CP	Chest department	2.5 hours attendance	100%
	0.25 CP		2.5 hours The candidate is trained how to take complete history and do physical examination of the chest case	100%
Student signature			Principle coordinator Signature	Head of the department signature



Chest course Lectures and seminars

Date	Attendance	Topic	Signature



Chest course Lectures and seminars

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Chest diseases	3	Chest department	3 weeks attendance in the chest department	100%
	2		<p>2 weeks attendance in inpatient chest department</p> <p>log of all admitted chest cases : (history, exam., investigation, treatment)</p> <ul style="list-style-type: none"> *Respiratory failure type I,II *COPD *IPF *Exacerbation of ashma *Ashmatic bronchitis *Suppurative lung disease *T.B 	67%
	0.5		15 hours = One outpatient clinic /week for 3 weeks) log of all cases presented to outpatients clinic of Chest department	16.5%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups (5 hours /week for 3 weeks	6.5%

Date	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

Date	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



Chest out patients clinic

Date	Signature of supervisor



Module(7) Neurological diseases

Requirement:

0.65 CPS for didactic (0.25 CP for lectures and 0.40 CP for seminar and conference) and 3 CP for training

The attendance spend 3 weeks in the 2nd year in the Neurology department

Minimal rate of attendance is 80%

Topics:-as follow



Name of the course	Credit Point	Responsible department	Attendance during year 2	Percentage of Achieved points
Neurological diseases	0.25CP	Chest department	2.5 hours attendance	100%
	0.25 CP		2.5 hours The candidate is trained how to take complete history and do physical examination of the neurological case	100%
Student signature			Principle coordinator Signature	Head of the department signature



Neurology lectures and seminars

Date	Attendance	Topic	Signature



Neurology lectures and seminars

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Neurological diseases	3	Neurology department	3 weeks attendance in the neurology department	100%
	2		2 weeks attendance in inpatient neurology department log of all admitted chest cases : (history, exam., investigation, treatment) -Stroke -Myopathy -Extrapyramidal -Periphral neuropathy	67%
	0.5		15 hours = One outpatient clinic /week for 3 weeks) log of all cases presented to outpatients clinic of neurological department.	16.5%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups (4 hours /week for 3 weeks.	6.5%

Date	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



Date	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



Neurology out patients clinic

Date	Signature of supervisor



Module(8)Rheumatology Unit

Requirement:

0.65 CPS for didactic only (0.5 CP for lectures and 0.15 CP for seminar and conference)

As the candidates was trained in rheumatologic unit in the first year (mentioned above)

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance During year 2	Percentage of Achieved points
Rheumatology	0.5 CP	Internal medicine	5 hours attendance or 2.5 hours active participation	100%
	0.25 CPS	2.5 hours	Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: a. Rheumatoid arthritis b. SLE c. Crystal induced arthropathy d. Systemic sclerosis e. Dermatomyositis and polymyositis f. Osteoarthritis g. Seronegative arthropathy	50%
	0.25 CPS	2.5 hours	h. Arthritis in systemic diseases i. Infective arthritis m. Antiphospholipid syndrome n-Hematological and gastroenterology changes in Rheumatologic diseases.	50%
Student signature			Principle coordinator Signature	Head of the department signature



Rheumatology course lectures

Date	Attendance	Topic	Signature



Rheumatology course lectures

Date	Attendance	Topic	Signature



Module(9) General emergency unit

Requirement:

0.65 CPS for didactic only (0.5 CP for lectures and 0.15CP for seminar and conference)

As the candidates was trained in general emergency unit in the first year(mentioned above)

Minimal rate of attendance is 80%

Topics:-as follow



Name of the course	Credit Point	Responsible department	Attendance During year 2	Percentage of Achieved points
General emergency unit	0.5 CP	Internal medicine	5 hours attendance or 2.5 hours active participation	100%
	0.25 CPS	2.5 hours	Principles of: -diagnosis, DD of comatosed patients -Fluid therapy -Electrolyte imbalance -Acid –base imbalance	50%
	0.25 CPS	2.5 hours	principles of -CPR -SHOCK	50%
Student signature			Principle coordinator Signature	Head of the department signature



General emergency unit course lectures

Date	Attendance	Topic	Signature



Procedure log (related to all units of course 7)

Procedure	Number
Sengastaken tube insertion	Level C 5
	Level B 5
	Level A 5
Upper endoscopy	Level C 5
	Level B 5
Lower endoscopy	Level C 5
	Level B 5
Haemodialysis	Level C 5
	Level B 5
	Level A 5
Peritoneal dialysis	Level C 5
	Level B 5
	Level A 5

Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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

Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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



Course 8: Critical care Medicine

Requirements:

● **Credit points:** 14 credit point for didactic during year 3 and 56 credit points for training during year 2 and 3 & In addition to 8 CPS during year 1 as mentioned above. Minimal rate of attendance 80% of didactic and training

Topics:

The candidate spend the last 2month of the 2nd year and the 3rd year in different critical care units of internal medicine department as follow:

- Cardiology critical care unit.....10 weeks.
- Gastroenterology critical care unit.....10 weeks.
- Nephrology critical care unit.....10 weeks.
- Haematology critical care unit 8 weeks.
- Endocrinology critical care unit..... 8 weeks.
- Neurology critical care unit.....5 weeks In Neurology department.
- Chest critical care unit5 weeks in Chest department.

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Units' Titles' list of Critical care Medicine course	% from total Marks	Level Year	Core Credit points		
			Didactic	training	Total
<u>Unit 1</u> Cardiology critical care	17%	3 rd	2.4	9.52 CP	11.92
<u>Unit 2</u> Gastroenterology & Hepatology critical care	17%	3 rd	2.4	9.52 CP	11.92
<u>Unit 3</u> Nephrology and dialysis critical care	17%	3 rd	2.4	9.52 CP	11.92
<u>Unit 4</u> Endocrinology, diabetes critical care	14.5%	2 nd , 3 rd	2	8.12 CP	10.12
<u>Unit 5</u> Haematology critical care	14.5%	3 rd	2	8.12 CPS	10.12
<u>Unit 6</u> Chest critical care	10%	3 rd	1.4	5.6 CPS	7
<u>Unit 7</u> Neurological critical care	10%	3 rd	1.4	5.6 CPS	7
			14	56	70

(14 credit point for didactic including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Critical care Medicine	14 CPS	Internal medicine	Year 3	100 % didactic of the Course 7
	10 CPS for Lectures		Topics and attendance 100 hours One lecture /week (Lectures Schedule as described below).	71%
	2.25 CPS		Seminars One hour- once / week for at least 6 month ➤ Attendance of at least - 80% of the clinical seminars for residents ➤ Attendance of at least 60% of the clinical seminars for the external ➤ Presentation of at least 1 time in the seminar	16.07%
	1 CP		10 hours Conference or workshop	7.1%
	0.75 CP		Formative assessment	5.3 %
Student signature			Principle coordinator Signature	Head of the department Signature

Training in Critical care medicine during year 3 including their formative assessment

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Critical care medicine	56CPS	Internal medicine department	Rotation between the five major critical care units of internal medicine and pulmonary critical care and neurology critical care	100%
	50 CPS		<ul style="list-style-type: none"> ➤ Practice with clinical cases in each unit of the department including interpretation of their different related laboratory investigation ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	89.2%
	3 CPS		<ul style="list-style-type: none"> ➤ Attendance of at least 60% of clinical rounds of the staff groups 3 hours /week for 30 Weeks 	5.4%
	3 CPS		<ul style="list-style-type: none"> ➤ Mini clinical exam 	5.4%
Student signature			Principle coordinator Signature	Head of the department Signature



Module(1) Cardiovascular critical care unit

Requirement:

2.4 CPS for didactic (2 CP for lectures and 0.4 CP for seminar and conference) and 9.52 CPS for training

The attendance spend 10 weeks in the 3^{ed} year in coronary critical care unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
CCU	2 CP	Internal medicine	20 hours attendance or 10 hours active participation	100%
	0.5 CP		5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: -Acute coronary syndrome *unstable angina *NSTEMI *STEMI	25%
	0.5 CP		5 hours Cardiac rhythm disturbance i.e Dysrhythmia Update management of dysrhythmias	25%
	0.5 CP		5 hours The principles of : -Hypertensive urgency and emergencies. - <i>Pericardial tamponade</i>	25%
	0.3 CP		3 hours -Pulmonary edema -Cardiogenic shock	15%
	0.2 CP		MCQ Exam	10%
Student signature			Principle coordinator Signature	Head of the department signature



Cardiovascular critical care lectures

Date	Attendance	Topic	Signature



Cardiovascular critical care lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
CCU	9.52	Internal medicine	10 weeks attendance in the coronary critical care unit of internal medicine department	100%
	8.5		<p>9 weeks attendance in inpatient CCU unit of internal medicine and at least one night shift per week and log of all admitted cases :(history, exam., investigation, treatment)</p> <ul style="list-style-type: none"> *Chest pain *Acute coronary syndrome *Hypertensive emergencies *Pulmonary edema *Dysrhythmias *Acute heart failure *Infective endocarditis *Acute pericarditis and PE 	89.3%
	0.4		Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 5 Weeks	4.2%
	0.62		Mini clinical exam	6.5%
Student signature			Principle coordinator Signature	



Night shifts

Date	Signature of supervisor

Date	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

Date	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



Module(2) Gastroentology and hepatology critical care unit

Requirement:

2.4 CPS for didactic (2 CP for lectures and 0.4 CP for seminar and conference) and 9.52

CPS for training

The attendance spend 10 weeks in the 3^{ed} year in Gastroenterology and hepatology critical care unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Gastroenterology and hepatology critical care unit	2CP	Internal medicine	20 hours attendance or 10 hours active participation	100%
	0.5 CP		5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: <ul style="list-style-type: none"> ▪ Hepatic encephalopathy. ▪ GIT bleeding 	25%
	0.5 CP		5 hours *Spontaneous bacterial peritonitis and others *Acute Abdomen *HCC	25%
	0.3 CP		3 hours The principles of : -Fulminant hepatitis. - Acute diarrhea	15%
	0.5 CP		5 hours -Acute pancreatitis -Acute liver cell failure -IBD(fulminant forms)	25%
	0.2 CP		MCQ Exam	10%
Student signature			Principle coordinator Signature	Head of the department signature



Gastroenterology critical care lectures

Date	Attendance	Topic	Signature



Gastroenterology critical care lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Gastroenterology and hepatology critical care	9.52	Internal medicine	10 weeks attendance in the GIT critical care unit of internal medicine department	100%
	8.5		<p>9 weeks attendance in inpatient GIT critical care unit of internal medicine and at least one night shift per week and log of all admitted cases :(history, exam., investigation, treatment)</p> <ul style="list-style-type: none"> *Acute attacks of heamatemesis *Lower GIT bleeding *Hepatic encephalopathy *Spontaneous bacterial peritonitis *Fulminant hepatitis *HCC 	89.3%
	0.4		Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 5 Weeks	4.2%
	0.62		Mini clinical exam	6.5%
Student signature			Principle coordinator	
			Signature	



Night shifts

Date	Signature of supervisor



Date	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



Date	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



Module(3)Nephrology and dialysis critical care unit

Requirement:

2.4 CPS for didactic (2 CP for lectures and 0.4 CP for seminar and conference) and 9.52 CPS for training

The attendance spend 10 weeks in the 3^{ed} year in Nephrology and dialysis critical care unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Nephrology and dialysis critical care unit	2CP	Internal medicine	20 hours attendance or 10 hours active participation	100%
	0.5 CP		5 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: - Acute renal failure - Dialysis complications	25%
	0.5 CP		5 hours The principles of:- A-Uremic encephalopathy B-Acid base disorders C-The most common electrolyte disorders	25%
	0.5 CP		5 hours 1. Hypokalemia and hyperkalemia 2. Hypomagnesemia 3. Hyponatremia and hypernatremia 4. Hypocalcaemia and hypercalcemia	25%
	0.3 CP		3 hours Update and evidence based Knowledge of renal emergencies	15%
	0.2 CP		MCQ Exam	10%
Student signature			Principle coordinator Signature	Head of the department signature

Nephrology and dialysis critical care course lectures

Date	Attendance	Topic	Signature



Nephrology and dialysis critical care lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Nephrology and dialysis critical care unit	9.52 CPS	Internal medicine	10 weeks attendance in the Nephrology and dialysis critical care unit of internal medicine department	100%
	8.5		9 weeks attendance in inpatient Nephrology and dialysis critical care unit of internal medicine log of all admitted cases :(history, exam., investigation, treatment) *Acute renal failure *Uremic encephalopathy *Nephrogenic pulmonary edema *ARDS *Dialysis induced arrhythmias	89.3%
	0.4		Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 5 Weeks	4.2%
	0.62		Mini clinical exam	6.5%
Student signature			Principle coordinator Signature	



Module (4) Endocrinology and critical care unit

Requirement:

2 CPS for didactic (1.3 CP for lectures and 0.7 CP for seminar and conference) and 8.12 CP for training

The attendance spend 9 weeks in the 3^{ed} year in endocrinology and diabetic critical care unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Endocrinology and diabetic critical care unit	1.3 CP	Internal medicine	13 hours attendance or 6.5 hours active participation	100%
	0.5 CP		<p>5 hours</p> <ul style="list-style-type: none"> ▪ Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: <ul style="list-style-type: none"> - Acute complications of diabetes <ul style="list-style-type: none"> ▪ DKA ▪ Hypoglycemia ▪ Hyperosmolar non ketotic coma ▪ Lactic acidosis 	38.46%
	0.5 CP		<p>5 hours</p> <p>Thyrotoxic crisis</p> <p>-Myxoedema coma</p>	38.46%
	0.2 CP		<p>2 hours</p> <p>-Adissonian crisis</p> <p>-Pituitary apoplexy</p>	15.38%
	0.1 CP		MCQ Exam	7.7%
Student signature			Principle coordinator Signature	Head of the department
				signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Endocrinology and diabetic critical care	8.12 CPS	Internal medicine	8 weeks attendance in the Endocrinology and diabetic critical care unit of internal medicine department	100%
	7.3		8 weeks attendance in inpatient Endocrinology and diabetic critical care unit of internal medicine and at least one night shift per week and log of all admitted cases :(history, exam., investigation, treatment) *DKA * Hypoglycemic coma *Hyperosmolar non ketotic coma *Lactic acidosis *Pituitary apoplexy *Thyrotoxic crisis *Myxedema coma	89.9%
	0.3		Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 5 Weeks	3.7%
	0.52		Mini clinical exam	6.4%
Student signature			Principle coordinator Signature	



Module (5) Haematology critical care unit

Requirement:

2 CPS for didactic (1.3 CP for lectures and 0.7 CP for seminar and conference) and 8.12 CP for training

The attendance spend 8 weeks in the 2^{ed} year in haematological critical care unit of internal medicine

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Hematology critical care unit	1.3 CP	Internal medicine	13 hours attendance or 6.5 hours active participation	100%
	0.5 CP		5 hours etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: Neutropenic fever DIC. Anemic heart failure	38.46%
	0.5 CP		5 hours Principles of Chemotherapeutic *protocols of different haematological malignancies. *Blood transfusion *Hemodynamic monitoring *TTP	38.46%
	0.2 CP		2 hours - Sickle cell crisis , aplastic crisis and hemolytic crisis	15.38%
	0.1 CP		MCQ Exam	7.7%
Student signature			Principle coordinator Signature	Head of the department signature



Haematological critical care lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Haematology critical care unit	8.12	Internal medicine	8 weeks attendance in the haematology critical care unit of internal medicine department	100%
	7.3		8 weeks attendance in inpatient hematology critical care unit of internal medicine log of all admitted cases : (history, exam., investigation, treatment) *Neutropenic fever *Aplastic, heamatologic, sickle cell crisis *DIC *Anemic heart failure *Haemoarthrosis *TTP	89.9%
	0.3		Attendance of at least 60% of clinical rounds of the staff groups 2 hours /week for 5 Weeks	3.7%
	0.52		Mini clinical exam	6.4%
Student signature			Principle coordinator Signature	



Night shifts

Date	Signature of supervisor



Module (6) Chest critical care unit

Requirement:

1.4 CPS for didactic (0.7 CP for lectures and 0.7 CP for seminar and conference) and 5.6 CPS for training

The attendance spend 5 weeks in the 3rd year in chest critical care unit of chest department

Minimal rate of attendance is 80%

Topics:-as follow

Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Chest critical care unit	0.7 CP	Chest diseases and Tuberculosis	7 hours attendance or 3.5 hours active participation	100%
	0.3 CP		3 hours Principles of <ul style="list-style-type: none"> ▪ Status asthmaticus. ▪ Acute severe Bronchial asthma ▪ Pneumothorax 	42.85%
	0.3CP		3 Hours Principles of: <ul style="list-style-type: none"> • Oxygen therapy • Intubation and CEPAP. • Mechanical ventilation (non invasive and invasive) 	42.85%
	0.1 CP		1 hour Respiratory failure (acute and chronic)	14.3%
Student signature			Principle coordinator Signature	Head of the department signature



Chest critical care lectures and seminars

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
chest critical care unit	5.6 CPS	Internal medicine	5 weeks attendance in the chest critical care unit of chest department	100%
	5		5 weeks attendance in inpatient chest critical care unit of internal medicine log of all admitted cases :(history, exam., investigation, treatment) *Respiratory failure *ARDS *Status asthmaticus *Mechanical ventilation *Acute severe ashma *Oxygen therapy	89.3%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups 3 hours /week for 5 Weeks	8.9%
	0.1		Attendance of at least 60 % of the clinical seminars Presentation of at least 1 case in the seminar	1.8%
Student signature			Principle coordinator Signature	



Date	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



Module (6) Neurology critical care unit

Requirement:

1.4 CPS for didactic (0.7 CP for lectures and 0.7 CP for seminar and conference) and 5.6 CP for training.

The attendance **spend 5 weeks** in the 3rd year in neurology critical care unit of neurology department.

Minimal rate of attendance is 80%

Topics:-as follow



Name of the course	Credit Point	Responsible department	Attendance during year 3	Percentage of Achieved points
Neurology critical care unit	0.7 CP	Neurology	7 hours attendance or 3.5 hours active participation	100%
	0.3 CP		3 hours Etiology, clinical picture, diagnosis and management of the following diseases and clinical conditions: <ul style="list-style-type: none"> Status epilepticus Care of comatosed patient 	42.85%
	0.3 CP		4 Hours Principles of: <ul style="list-style-type: none"> Brain Imaging (CT and MRI) Glasgow coma scale 	42.85%
	0.1 CP		1 hour <ul style="list-style-type: none"> Update and evidence based Knowledge of Cerebrovascular stroke 	14.3%
Student signature			Principle coordinator Signature	Head of the department signature



Neurology critical care lectures

Date	Attendance	Topic	Signature

Name of the training course	Credit Point	Responsible department	Attendance	Percentage of Achieved points
Neurology critical care unit	5.6	Neurology	5 weeks attendance in the neurology critical care unit of neurology department	100%
	5		5 weeks attendance in inpatient neurology critical care unit of neurology department - log of all admitted cases : (history, exam., investigation, treatment) *Stroke *Status epilepticus *Meningoencephalitis *Coma *Mechanical ventilation in Gallian paris syndrome and mysthenia gravis	89.3%
	0.5		Attendance of at least 60% of clinical rounds of the staff groups 3 hours /week for 5 Weeks	8.9%
	0.1		Attendance of at least 60 % of the clinical seminars Presentation of at least 1 case in the seminar	1.8%
Student signature			Principle coordinator Signature	



Procedures

20% DURING YEAR 1

Emergency procedures			
Cardiopulmonary resuscitation	Level C 5 Level B 5 Level A 10	Arterial blood sampling	Level C 5 Level B 5 Level A 20
Control of convulsions	Level C 5 Level B 5 Level A 20	Stomach wash	Level C 3 Level B 3 Level A 20
Cerebrospinal fluid tap	Level C 5 Level B 5 Level A 20	Pleural effusion tap	Level C 3 Level B 5 Level A 20
Bag mask ventilation	Level C 5 Level B 5 Level A 20	Monitoring of vital signs	Level C 5 Level B 5 Level A 20
Nebulizer usage	Level C 5 Level B 5 Level A 20	Serum glucose assessment by Glucometer	Level C 5 Level B 5 Level A 20
Anti- shock measures	Level C 5 Level B 5 Level A 20	Pulse oximetry	Level C 3 Level B 3 Level A 20

Intensive care procedures			
Basic life support	Level C 5 Level B 5 Level A 20	Advanced life support & mechanical ventilation	Level C 5 Level B 5 Level A 20
Endotracheal intubation	Level C 5 Level B 5 Level A 20	Anti-dysrhythmic maneuvers	Level C 5 Level B 5 Level A 20
Partial exchange transfusion	Level C 5 Level B 5 Level A 20	Central venous line	Level C 5 Level B 5 Level A 20
Cardioversion	Level C 5 Level B 5 Level A 5	Urinary catheter	Level C 5 Level B 5 Level A 20
Total parenteral nutrition	Level C 5 Level B 5 Level A 20	Arterial line placement	Level C 5 Level B 5 Level A 20
Singestaken tube insertion	Level C 5 Level B 3 Level A 5		

Gastroenterology & Hepatology and chest procedures

Electrolyte correction	Level C 5 Level B 5 Level A 20	Abdominal ultrasonography	Level C 5
Ascitic fluid tap	Level C 3 Level B 3 Level A 3	Liver biopsy	Level C 5 Level B 5 Level A 20
Chest physiotherapy	Level C 5 Level B 5 Level A 20	Tuberculin skin test	Level C 5 Level B 5 Level A 10

Cardiology procedures

ECG	Level C 5 Level B 5 Level A 20	Echocardiography	Level C 5
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Nephrology procedures

Peritoneal dialysis	Level C 5 Level B 5 Level A 20	Hemodialysis	Level C 5 Level B 5 Level A 20
Femoral catheterization	Level C 5		

Hematology and rheumatology procedures

Desferal infusion	Level C 5 Level B 5 Level A 20	Plasma pheresis	Level C 5 Level B 5 Level A 20
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*** Level of competency**

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

Level of competency *

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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



Test for the competency in the procedure*

Date	Procedure	Level of competency*	Signature of supervisor

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)	(3) (2)	(5) (4)	(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)	(3) (2)		(5) (4)		(6)	strongly agree (7)
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)	(3) (2)		(5) (4)		(6)	strongly agree (7)
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 1

Requirements

● **Credit points:** 2 credit point.

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



Academic activities

Lecture, journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-

A- Attendance

B- Organization

C- Presentation



Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1: Pharmacology			
Course 2: Physiology			
Course 3: Pathology & Clinical pathology			
Course 4: Microbiology& Clinical Biochemistry			
Course 5: Basics of Internal medicine			
Course 6: Anaesthesia and Intensive Care			
Second Part Course 7: Advanced Internal Medicine			
Second Part Course 8 : Critical Care Medicine			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
- M Sc Degree Principle Coordinator:			
Date approved by Department Council:			

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