



Faculty of Medicine  
Internal Medicine of Department



كلية الطب  
قسم الأمراض الباطنه

# MD of Internal medicine



## Logbook (2022-2023)

*Credit point by laws*



## Contents

No	Subject	Page
I	Personal data of the trainee	3
II	Introduction	4
III	Aim of the activities book	5
IV	Sections of the book	5-6
V	First part:	7-19
VI	Second part: clinical courses and case log book	20-59
VII	Procedures log book	60-68
VIII	Academic activities	69-80
	1. Seminars 2. Post graduate teaching 3. Clinical conferences 4. National conferences and workshops 5. Attendance of discussion of thesis	
IX	Regular assessment	81
X	Elective course	86-90
XI	Declaration:	92



## I-Personal data of the trainee



Personal photo

Name.....

Date of birth.....

Address.....

Telephones..... Mobile  
phone(s).....

E mail.....

Date of MB Bch degree

.....

Grade in the final year examination

.....

Grade in the internal medicine

.....

Specialty .....

Date of acceptance for MD Degree.../.../...

NAME OF HOSPITAL	PERIOD OF WORK	HOSPITAL DIRECTOR SIGNATURE	STAMP



---

## II-INTRODUCTION

A clinical training course forms the main part in internal medicine ward with special stress in all specialties in internal medicine. It includes training in emergency medicine, liver and gastrointestinal diseases, chest diseases, autoimmune and connective tissue diseases, heart diseases, diabetes mellitus and endocrinal diseases, blood diseases, renal diseases, common neurological diseases , infectious diseases and geriatric medicine all through the period of the course. In addition to study the essential course.

The overall aim of this curriculum is to enable the trainee to acquire the skills and knowledge to provide a clinical and laboratory service in internal medicine.

On completion of the educational programmer the trainee will have acquired :

- Participate in Internal medicine Outpatient Clinics
- Be responsible for the day to day management of ward inpatients
- Liaise with colleagues in Medicine and consult with other specialties
- Be exposed to all aspects of internal medicine.
- Present one audit a year and participate in departmental meetings
- The trainee should be guaranteed a minimum of four hours protected time per week to regularly attend the academic meetings within the department.
- An understanding of Internal medicine laboratory practice .
- The diagnostic techniques required in the practice of Internal medicine
- The communication skills required for the practice of clinical Internal medicine. The acquisition of some management skills required in the running of the Internal medicine laboratory .



### **III-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.

### **IV-Sections of the book**

#### **For each module / course / rotation**

The following sections will be recorded:-

#### **A- Clinical case log**

A list with all required cases in the concerned module is recorded together with the minimum number of cases that must get exposed to and level of participation that should be achieved for each type of cases. Also each case should be signed by the trainer.

The minimal rate of attendance is 80%.

#### **B- Procedures / operations log**

A list for the required procedure, diagnostic – therapeutic operations and the level of desired performance that should be achieved at the end of the training, level of participation and date and signature of the supervisor.

The minimal rate of attendance is 80%.



### **C- Rotation / attendance proof**

#### 1- Academic activities

All academic activities are documented e.g. lectures, journal clubs, workshops, conferences, services attended. This documentation should include the level of participation (attendance, preparation, presentation etc).

#### 2- Academic achievements

All outcomes that achieved in the following fields are documented:-

- 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
- Quiz.



---

## First Part

---

Course 1: Medical statistics

Course 2: Research methodology

Course 3: Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Course 4: Pathology

Course 5: Physiology



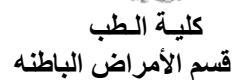
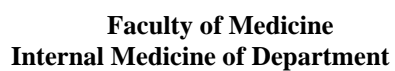
# Medical statistics

## Requirements

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

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature





## Lectures and tutorials

[illegible]

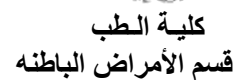
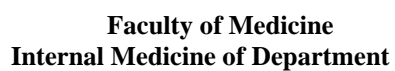


# Research Methodology

## Requirements

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

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Public Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			Principle coordinator signature	Head of the department signature



## Lectures and tutorials

[illegible]



## Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

### General medicine, Special medicine, Pediatrics, Public health, Oncology and Rheumatology (1<sup>st</sup> part).

#### Requirements

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

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.2		2 hours Suspicious death. Death and death certificate.	20%
	0.2		2 hours Supportive measures	20%
	0.2		2 hours Toxicological reports	20%
	0.2		2 hours Ethics in research.	20%
	0.2		2 hours Medical ethics.	20%
Student signature			Principle coordinator signature	Head of the department signature



## Medicolegal Aspects and Ethics in Medical Practice and Scientific Research Course Lectures

Date	Attendance	Topic	Signature



---

## Pathology

### Requirements:

(3.5 credit point)

- Minimal rate of attendance 80% of lectures.

### Topics

- Liver cirrhosis.
- Peptic ulcer disease
- Glomerulonephritis
- Nephrotic syndrome
- Ischemic heart disease.
- Infective endocarditis.
- Vasculitis.
- Diabetes and its complications.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	3.5 CP	Pathology Department	35 hours	100%
Pathology	1 CP		10 HOURS <ul style="list-style-type: none"> <li>• Liver cirrhosis.</li> <li>• Peptic ulcer disease</li> </ul>	28.57 %
	1 CP		10 HOURS <ul style="list-style-type: none"> <li>• Glomerulonephritis</li> <li>• Nephrotic syndrome</li> </ul>	28.57 %
	1 CP		10 HOURS <ul style="list-style-type: none"> <li>• Ischemic heart disease.</li> <li>• Infective endocarditis.</li> </ul>	28.57 %
	0.5 CP		5 HOURS <ul style="list-style-type: none"> <li>• Vasculitis.</li> <li>• Diabetes and its complications.</li> </ul>	14.29 %
Student signature			Principle coordinator signature	Head of the department signature



---

## Physiology

### Requirements:

**(3.5 credit point)**

- Minimal rate of attendance 80% of lectures.

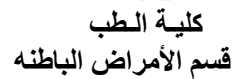
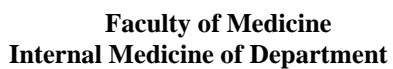
### Topics

- Regulation of the heart rate and arterial blood pressure.
- Pulmonary and coronary circulation.
- Mechanism of blood coagulation.
- Regulation of blood glucose.
- Calcium homeostasis
- Gastrointestinal hormones
- Physiology of digestion and absorption
- Urine formation.
- Acid base balance (mechanisms and abnormalities)
- Hormones of the kidney.
- Temperature and its regulation.





Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	3.5 CP	Physiology Department	35 hours	100%
Physiology	1 CP		<b>10 hours</b> <ul style="list-style-type: none"> <li>Regulation of the heart rate and arterial blood pressure.</li> <li>Pulmonary and coronary circulation.</li> <li>Temperature and its regulation</li> </ul>	28.57 %
	1 CP		<b>10 hours</b> <ul style="list-style-type: none"> <li>Mechanism of blood coagulation.</li> <li>Regulation of blood glucose</li> <li>Calcium homeostasis</li> </ul>	28.57 %
	0.5 CP		<b>5 hours</b> <ul style="list-style-type: none"> <li>Gastrointestinal hormones</li> <li>Physiology of digestion and absorption</li> </ul>	14.29 %
	1 CP		<b>10 hours</b> <ul style="list-style-type: none"> <li>Acid base balance (mechanisms and abnormalities)</li> <li>Urine formation.</li> <li>Hormones of the kidney</li> </ul>	28.57 %
Student signature			Principle coordinator signature	Head of the department signature



# Physiology Lecture

[illegible]



## Year 1 training in internal medicine department

Clinical training	Credit points	Responsible department	Attendance	percentage of Achieved points
Clinical training in <b>internal medicine</b>	23	<b>Internal medicine</b>	Year 1	100%
	8		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 2 month in the department including interpretation of their related laboratory investigation and different radiologic patterns (in CXR and Abdominal CT ) and Supervision on the residents for the newly admitted cases</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	34.8%
	4		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 8 week in the department (including supervision on the residents for the newly admitted cases and critical cases) and or (in the endoscopy unit with senior endoscopist for training; in echocardiography unit or plasmapheresis unit).</li> </ul>	17.4%
	3		<ul style="list-style-type: none"> <li>➤ Attendance of one day/week in the Outpatient clinic (4 hours/day) for at least 16 week.</li> </ul>	13%
	4		<ul style="list-style-type: none"> <li>➤ Attendance of one day/week in (the ultrasonography; echocardiography or plasmapheresis unit) for at least 20 week for training</li> </ul>	17.4%
	4		<ul style="list-style-type: none"> <li>➤ Perform (Abdominal US, echocardiography or plasmapheresis) under supervision for at least 2 days per week for 3 month.</li> </ul>	17.4%



---

## Second part: Course 6

---

### Internal medicine:

#### **Requirements**

- Credit points: 24 credit point for didactic (lectures, seminars, tutorial) during year 2 and year 3 (1.5 credit point out of these 24 for formative assessment - once /year or at least 2 exam during whole period)
- 123 credit point for training (23 credit point during year 1 and 100 credit point during year 2 and year 3) (6 credit point out of these 100 for formative mini clinical exam – at the end of any rotation (3ms) or at least 6 exam during whole period)
- Minimal rate of attendance 80% of didactic and training

#### **This course consist of 9 modules**

Module 1 Gastroenterology (12%).

Module 2 Cardiology (12%).

Module 3 Nephrology (12%).

Module 4 Endocrinology (12%).

Module 5 Rheumatology (12%).

Module 6 Haematology (12%).

Module 7 critical care (12%).

Module 8 Neurology (8%).

Module 9 Chest (8%).



Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	Training *	total
1)Module.1 Gastroenterology	12%	1, 2, 3	2.9	14.8	17.7
2)Module. 2 Cardiology	12%	1, 2, 3	2.9	14.8	17.7
3)Module .3 Nephrology	12%	1, 2, 3	2.9	14.8	17.7
4)Module. 4 Endocrinology	12%	1, 2, 3	2.9	14.8	17.7
5)Module. 5 Rheumatology	12%	1, 2, 3	2.9	14.8	17.7
6) Module. 6 Heamatology.	12%	1, 2, 3	2.9	14.8	17.7
7) Module. 7 critical care.	12%	1,2, 3	2.9	14.8	17.7
8) Module. 8 Neurology	8%	2,3	1.85	9.7	11.55
9) Module. 9 Chest	8%	2,3	1.85	9.7	11.55
<b>Total No. of Units (9 Modules):</b>	<b>100%</b>		<b>24</b>	<b>123</b>	<b>147</b>

**N.B 23 POINT OF TRAINING WILL BE DURING YEAR 1**

*Rotation / attendance proof*  
**الأماكن التي تدرب بها**

أسم المستشفى التي تدرب بها	توقيع رئيس القسم	توقيع مدير المستشفى



## Year 2

(12 credit point for didactic including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Internal medicine</b>	12	Internal-medicine	Year 2	50% of the didactics of all Units
	8		Topics and attendance 80 hour One lecture /week (Lectures Schedule as described below	66.67%
	2.25		Seminars 2 hours- once / week for at least 6 month ➤ Attendance of at least - 80% of the clinical seminars for Assistant lectures ➤ Attendance of at least 70% of the clinical seminars for the external ➤ Presentation of at least 1 time in the seminar	18.75%
	1		Conference or workshop	8.33%
	0.75		Formative assessment	6.25 %
<b>Student signature</b>			<b>Principle coordinator Signature</b>	<b>Head of the department signature</b>



### Lectures Schedule in year 2

N.B there are additional topics in the course matrix and will be either presented in the seminar by the candidates or self study by the candidates or presented in the conference

Name of the course	Credit points	Attendance	Percentage of Achieved points
Internal medicine	8	Year 2	100%
<b>Gastroenterology</b>	1.5		18.75%
	( Total 0.5) -IBD -Malabsorption -Acute and chronic diarrhea	5 hours	
	( Total 0.5) -GIT motility disorders. -Acute and chronic pancreatitis -Peptic ulcer.	5 hours	
	( Total 0.5) -Liver cirrhosis -Hepatic encephalopathy -NASH	5 hours	
<b>Cardiology</b>	1.5		18.75%
	( Total 0.5) -Ischemic heart diseases. -Hypertension and hypertensive heart diseases. -Congenital heart diseases.	5 hours	
	( Total 0.5) -Different pericardial diseases. -Acute and chronic diseases of the myocardial muscle. -Pulmonary embolism.	5 hours	



	( Total 0.5) -Rheumatic fever . -Valvular heart diseases. -Infective endocarditis.	5 hours	
<b>Nephrology</b>	1.5		18.75%
	(Total 0.5) -Glomerulonephritis -Nephrotic syndrome	5 hours	
	(Total 0.5) -Renal failure. -UTI • Cystitis • Renal TB	5 hours	
	(Total 0.5) -Acid base balance. -Water, electrolyte balance.	5 hours	
<b>Endocrinology</b>	1		12.5%
	(Total 0.5) -Diabetes mellitus -Thyroid diseases. -parathyroid diseases.	5 hours	
	(Total 0.5) -Short stature. -Osteoporosis -Calcium homeostasis	5 hours	
<b>Rheumatology</b>	1		12.5%
	(Total 0.5) -Rheumatoid arthritis -SLE.	5 hours	
	(Total 0.5) -Seronegative arthropathy -Arthritis in systemic diseases -Infective arthritis.	5 hours	
<b>Haematology</b>	1.5		18.75%





	(Total 0.5) -Anemias . -Hemoglobinopathies. -Bone marrow aplasia.	5 hours	
	(Total 0.5) -Acute leukemias -Chronic leukemias -Lymphomas	5 hours	
	(Total 0.5) -Disorders of Bleeding (platelet function and number disorders) Vascular disorders -Clotting disorders -Thrombophilia (predisposition, causes) -Blood transfusion	5 hours	
Student signature		Principle coordinator signature	Head of the department signature



**Year 2 (50 credit point for training in all units including mini clinical exam)**

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in internal medicine	50	Internal medicine department	Year 2	100%
	16		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 4 month in the department including interpretation of their related laboratory investigation and different radiologic patterns</li> <li>➤ Supervision on the residents for the admitted cases</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	32%
	10		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 20 week in the department (including supervision on the residents for the newly admitted cases and critical cases) and or in the endoscopy unit, echocardiography unit or plasma pharesis unit.</li> </ul>	20%
	2		<ul style="list-style-type: none"> <li>➤ Attendance of one day /week in the Outpatient clinic (3 hours/day) for at least 20 week and perform abdominal US when needed.</li> </ul>	4 %
	6		<ul style="list-style-type: none"> <li>➤ Attendance of one day in the endoscopy unit, echocardiography unit or plasma pharesis unit/ week for at least 30 week including performance of the needed procedures for the assistant lectures.</li> <li>➤ Or attendance of at least 1.5 month for the external</li> </ul>	12 %



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	8		➤ Attendance and or Supervision of at least 2 month in the internal medicine intensive care unit.	16%
	5		➤ Clinical teaching for the students for at least 4 hours per week for 8 month for the assistant lectures. ➤ Attendance of at least another one month in Ultrasonography unit echocardiography unit or plasma pharesis unit, for the external or specialist.	10%
	3		Mini clinical exam	6 %
Student signature			Principle coordinator Signature	Head of the department signature



### Year 3

(12 credit point for didactic including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal medicine	12	Internal-medicine	Year 3	50% of the didactics of all Units
	8		Topics and attendance 80 hour One lecture /week (Lectures Schedule as described below	66.67%
	2.25		Seminars 2 hours- once / week for at least 7 month ➤ Attendance of at least - 80% of the clinical seminars for Assistant lectures ➤ Attendance of at least 70% of the clinical seminars for the external ➤ Presentation of at least 1 time in the seminar	18.75%
	1		Conference or workshop	8.33%
	0.75		Formative assessment	6.25 %
Student signature			Principle coordinator Signature	Head of the department signature



### Lectures Schedule in year 3

N.B there are additional topics in the course matrix and will be either presented in the seminar by the candidates or self study by the candidates or presented in the conference

Name of the course	Credit points	Attendance	Percentage of Achieved points
Internal medicine	8	Year 3	100%
Gastroenterology	1		12.5%
	( Total 0.5) -Celiac disease -Esophageal disorders. -Drug - induced Liver diseases	5 hours	
	( Total 0.5) -Hepatic malignancy -Metabolic liver diseases -Acute and chronic hepatitis	5 hours	
Cardiology	1		12.5%
	( Total 0.5) -Cardiogenic shock. -Syncope. -Pulmonary hypertension.	5 hours	
	( Total 0.5) -Arrhythmias. -Heart failure.	5 hours	
Nephrology	1		12.5%
	( Total 0.5) -Tubulo interstitial disease. -Renal vascular disease.	5 hours	
	( Total 0.5) -Drug - induced renal diseases. -Congenital Renal diseases.	5 hours	
Endocrinology	1.5		18.75%



	( Total 0.5) -Adrenal gland diseases. -Pituitary gland diseases.	5 hours	
	( Total 0.5) -Obesity. -Endocrine Emergencies -Hereditary Endocrinal disorders( MEN type I and MEN type II)	5 hours	
	( Total 0.5)	5 hours	
<b>Rheumatology</b>	1.5		18.75%
	( Total 0.5) -Systemic sclerosis -Dermatomyositis and polymyositis	5 hours	
	( Total 0.5) -Osteoarthritis. -Polymyalgia rheumatica. -Crystal induced arthropathy.	5 hours	
	( Total 0.5) -Vasculitis. -Drug - induced rheumatic diseases	5 hours	
<b>Haematology</b>	1		12.5%
	( Total 0.5) -Myelodysplastic syndromes -Abnormalities in Granulocytes (neutropenia, leukomoid reaction)	5 hours	
	( Total 0.5) -Myeloproliferative disorders. -Bone marrow transplantation -Plasma cell disorders (Multiple myeloma).	5 hours	



<b>Neurology</b>	0.5 -Cerebrovascular stroke -Myopathy and neuromuscular junctional disorder -Peripheral neuropathy -Degenerative diseases. -Involuntary movement	5 hours	6.25%
<b>Chest</b>	0.5 -COPD -Lung cancer -Pleural effusion -Interstitial pulmonary fibrosis -Pulmonary Tuberculosis. -Respiratory failure -Haemoptysis -Acid base balance disorders	5 hours	6.25%
Student signature		Principle coordinator signature	Head of the department signature



**Year 3 (50 credit point for training in all units including mini clinical exam)**

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in internal medicine	50	Internal medicine department	Year 3	100%
	16		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 4 month in the department including interpretation of their related laboratory investigation and different radiologic patterns</li> <li>➤ Supervision on the residents for the admitted cases</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	32%
	10		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 20 week in the department (including supervision on the residents for the newly admitted cases and critical cases) and or in the endoscopy unit, echocardiography unit or plasma pharesis unit.</li> </ul>	20%
	2		<ul style="list-style-type: none"> <li>➤ Attendance of one day /week in the Outpatient clinic (3 hours/day) for at least 20 week and perform abdominal US when needed.</li> </ul>	4 %
	6		<ul style="list-style-type: none"> <li>➤ Attendance of one day in the endoscopy unit, echocardiography unit or plasma pharesis unit/ week for at least 30 week including performance of the needed procedures for the assistant lectures.</li> <li>➤ Or attendance of at least 1.5 month for the external</li> </ul>	12 %





Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	8		➤ Attendance and or Supervision of at least 2 month in the internal medicine intensive care unit.	16%
	5		➤ Clinical teaching for the students for at least 4 hours per week for 8 month for the assistant lectures. ➤ Attendance of at least another one month in Ultrasonography unit echocardiography unit or plasma pharesis unit, for the external or specialist.	10%
	3		<b>Mini clinical exam</b>	6 %
Student signature			Principle coordinator Signature	Head of the department signature



## Clinical case log book:

### Critical care Unit- Module

Case	Minimal Number	Case	Minimal Number
Septicemia & septic shock	5	Respiratory failure	20
Thromboembolic disease	5	Electrolytes disturbances	10
Bleeding tendency	10	Diabetic ketoacidosis	20
heatstroke	2-5		
Coma for DD	20	Hypertensive encephalopathy	10
Acute thyrotoxic crisis	5	Hepatic encephalopathy	10
CNS stroke	30	Hematemesis	10
Guillian Barre syndrome	2-5	DIC	5
		Acute addisonian crisis	5

### Critical care Unit-coronary Module

Case	Minimal Number	Case	Minimal Number
Chest pain	40	Cardiogenic shock	10
Infective endocarditis	10	Aortic dissection	5
Cardiomyopathy	10	Pulmonary embolism	10
Acute coronary syndrome	20	Cardiac arrhythmia	30
Cariac tamponade	5	Acute rheumatic fever	10
Acute heart failure	10		



### Critical care -GIT Module

Case	Minimal Number	Case	Minimal Number
Acute hepatic encephalopathy	5	Acute pancreatitis	10
Acute upper GIT bleeding	40	Spontaneous bacterial peritonitis	10
Hepato-renal syndrome	10	Acute lower GIT bleeding	10
Chronic hepatic encephalopathy	20		

### Gastroenterology & Hepatology Unit Module

Case	Minimal Number	Case	Minimal Number
Acute diarrhea	40	Gastroesophageal reflux	10
Chronic diarrhea	20	Gastritis	20
Bloody diarrhea	10	Pancreatitis	10
Malabsorption	5	Liver cirrhosis with Portal hypertension and/or LCF	20
Acute abdominal pain	20	Paralytic ileus	5
Constipation	20	Dysphagia	5
peptic ulcer	10	Hepatic malignancy	10
Persistent vomiting	10	Ascites DD	20
Jaundice DD	10	Observation of Liver biopsy	5



### Hematology Unit Module

Cases	Minimal Number	Cases	Minimal Number
Deficiency Anaemias	20	Lymphadenopathy & lymphoma	20
Haemolytic Anaemias	10	Refractory Anaemias & Anaemias of chronic diseases	10
Aplastic anemia	10	Chronic leukaemias & Myeloproliferative disorders	10
Purpura and bleeding disorders	20	Acute leukaemias	20
Congenital and acquired clotting disorders	10		

### Endocrinology Unit Module

Case	Minimal Number	Case	Minimal Number
Diabetes mellitus	20	Hypoparathyroidism	2
Short stature for DD	10	Hyperparathyroidism	2
Obesity for DD	20	Hypopituitarism	2
Hypothyroidism	20	Precocious puberty	1
Diabetes insipidus	5	Hypoadrenocorticism	8
Delayed puberty	5	Hypoglycemia	5
osteoporosis	10	Chronic diabetic complication	20
Cushing syndrome	10	Pheochromocytoma	0-1



### Nephrology Unit Module

Cases	Minimal Number	Cases	Minimal Number
Acute renal failure	10	Tubulo interstitial disease	10
Chronic renal failure	40	Renovascular disease	10
Nephrotic syndrome	20	Urinary stones	10
Glomerulonephritis	10	Observation of kidney biopsy	5
Hematuria for DD	10	Urinary tract infection	20

### General medicine diseases Module

Cases	Minimal Number	Cases	Minimal Number
Pyrexia of unknown origin	10	Hypertension	30
Soft tissue infections	10	Pulmonary TB	10
Extra-pulmonary TB	10	Bronchial asthma	10



### Connective tissue musculoskeletal disease Module

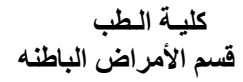
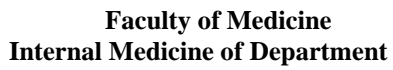
Cases	Minimal Number	Cases	Minimal Number
SLE	20	Osteoarthritis	20
Crystal induced arthropathy	10	Seronegative arthropathy	5
Systemic sclerosis	10	Arthritis in systemic disease	5
Dermatomyositis and polymyositis	2-5	Infective arthritis	5
Rheumatoid arthritis	20	Antiphospholipid syndrome	5



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

### *I-Clinical Rotation*

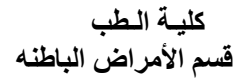
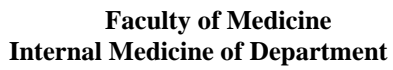
Duration from -to	Location	Signature of supervisor

[illegible]

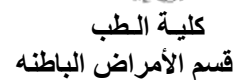
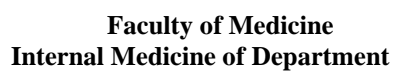


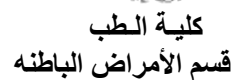
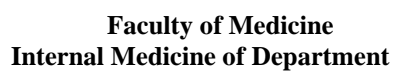


Duration/Date from -to	Location	Signature of supervisor

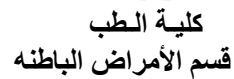
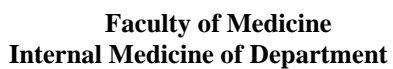
[illegible]



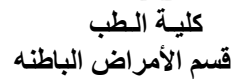
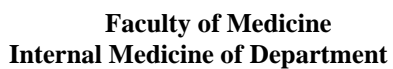
44

[illegible]

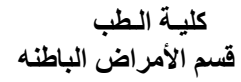
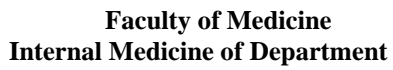
C- Carry out under supervision



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



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

[illegible]

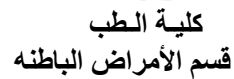
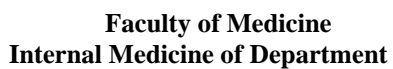
\* Level of participation

A- Plan and carry out

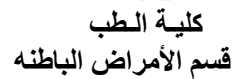
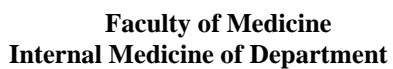
B- Carry out

C- Carry out under supervision

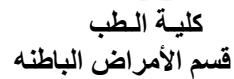
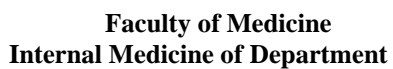




\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision



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

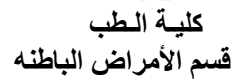
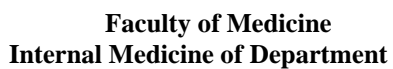


## Level of participation

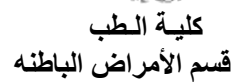
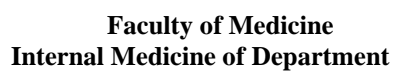
A- Plan and carry out

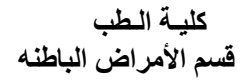
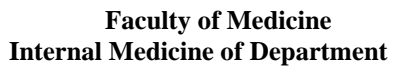
B- Carry out

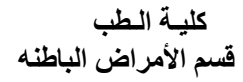
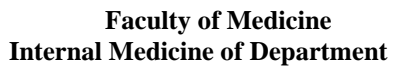
C- Carry out under supervision

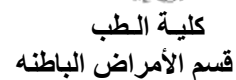
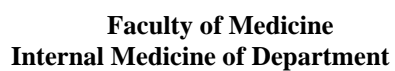


\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision

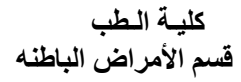
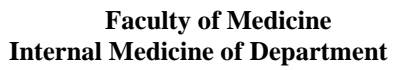
[illegible]

[illegible]

[illegible]

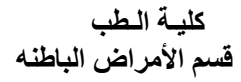
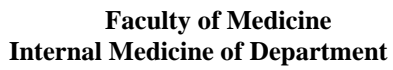
[illegible]

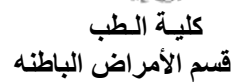
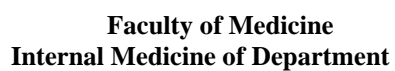


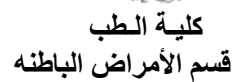
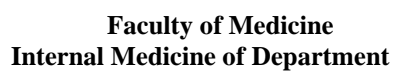


## IV-Night Shift

[illegible]

[illegible]

59

60



#### 4- Procedures log book:

##### Emergency procedures

Cardiopulmonary resuscitation	A	Arterial blood sampling	A
Control of convulsions	A	Stomach wash	A
Cerebrospinal fluid tap	B	Pleural effusion tap	B
Intravenous line insertion	A		
Venous blood sampling	A	Airway suctioning	A
Urinary catheter	A	Endotracheal intubation	B
Electrolyte correction	A	Total parenteral nutrition	A

##### Gastroenterology & hepatology procedures

Sungestaken tube insertion	A		
Ascetic fluid tap	A	Nasogastric tube insertion	A

##### Cardiology procedures

ECG	A	Cardioversion	A
Anti-dysrhythmic maneuvers	A		

##### Nephrology procedures

Femoral catheterization	B	Hemodialysis	C
-------------------------	---	--------------	---

##### Endocrinology procedures

Insulin desensitization	A	Hormonal assay	A
-------------------------	---	----------------	---

##### Heamatology procedures

venesection	B	Platelets concentration	C
-------------	---	-------------------------	---

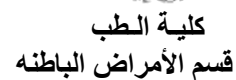
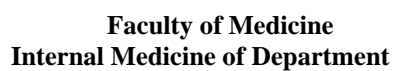
##### Rheumatology procedures

Plasma pharesis			C
	<p>* Level of competency</p> <p>A- Independent performance</p> <p>B- Performance under supervision</p> <p>C- Observed</p>		

## Module: Emergency Unit

### Procedure of log book

[illegible]



## Module: Critical care -cardiology Unit

### Procedure of log book

[illegible]

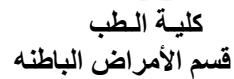
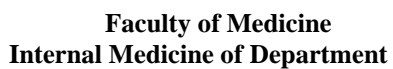




## Module: Gastroenterology & Hepatology Unit

### Procedure of log book

[illegible]

[illegible]



**Module: Rheumatic and musculo-skeletal diseases**  
**Procedure of log book**

[illegible]



### 3- Clinical Seminars (For all modules)

#### Requirements:

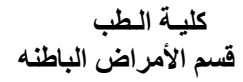
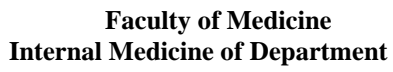
- Attendance of at least 80% of the clinical seminars
- Presentation of at least 2 cases in the seminar
- Presentation of at least 2 subjects in the seminar
- Log of at least 1 evidence-based guidelines.

#### *3-A: Attendance*

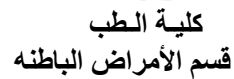
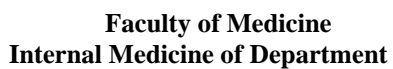
Date	Attendance	Topic	Signature



Date	Attendance	Topic	Signature

[illegible]



73



*3-B: Case or topic presentation*

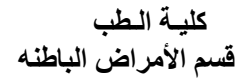
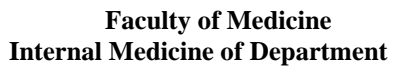
Date	Case	Topic	Signature

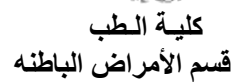
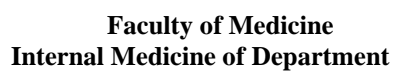


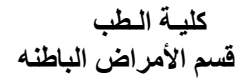
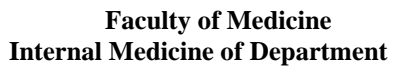
#### 4- Post graduate teaching

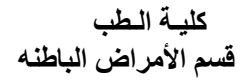
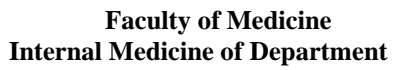
##### 4-A: lectures

Date	Title of lecture	Signature of Staff Member

[illegible]

77

[illegible]

[illegible]



***4-B: Tutorial***

<b>Date</b>	<b>Title of Tutorial</b>	<b>Signature of Staff member</b>



## 5-Academic activities

## Lecture, journal club, conference, workshop

[illegible]

**\*\* Your role:-**

- A- Attendance  
B- Organization  
C- Presentation



## 6-Formative assessment MCQ and clinical examination

Exam	Score	Grade*	Date	Signature

### Degree

- A- Excellent
- B- Very good
- C- Good
- D- Pass
- E- Bad



## 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)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.						
Appraise scientific evidence.						
Continuously improve patient care based on constant self-evaluation and <u>life-long learning</u> .						
Participate in clinical audit and research projects.						



General skills	could not judge (0)	strongly disagree(1)	(2 )	(3)	(4 )	(5)	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on- line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> with patients, their families, and health professionals, including:- <ul style="list-style-type: none"> <li>• <u>Present</u> a case.</li> <li>• <u>Write</u> a consultation note.</li> <li>• <u>Inform patients</u> of a diagnosis and therapeutic plan</li> <li>• Completing and maintaining comprehensive.</li> <li>• Timely and legible <u>medical records</u>.</li> <li>• Teamwork skills.</li> </ul>								



General skills	could not judge (0)	strongly disagree(1)	(2 ) (3)	(4 ) (5)	(6)	strongly agree (7)
Create and sustain a therapeutic and ethically sound relationship with patients.						
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.						
Work effectively with others as a member or leader 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, and business practices.						
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.						
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.						
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.						



General skills	could not judge (0)	strongly disagree(1)	(2 ) (3)	(4 ) (5)	(6)	strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.						
Design, monitor and evaluate specification of under and post graduate courses and programs.						
Act as a chair man for scientific meetings including time management						



# Elective courses

## Requirements

- Credit points: 3 credit point.
- Minimal rate of attendance 80% of lectures and 80% of training
- The student choose two of theses courses

- ✚ Advanced medical statistics.
- ✚ Evidence based medicine.
- ✚ Advanced infection control.
- ✚ Quality assurance of medical education.
- ✚ Quality assurance of clinical practice.
- ✚ Hospital management



Name of the elective course 1: -----

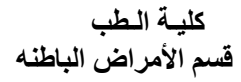
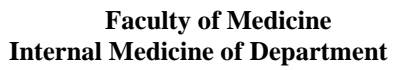
### Requirements

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

### Elective Course Lectures

Date	Attendance	Topic	Signature





## Elective Course Practical skills

[illegible]



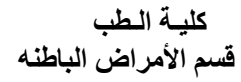
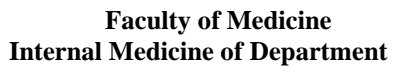
Name of the elective course 2: -----

### Requirements

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

### Elective Course Lectures

Date	Attendance	Topic	Signature



## Elective Course Practical skills

[illegible]



## الرسائل العلمية

عنوان الرسالة

عربي : \_\_\_\_\_

انجليزي : \_\_\_\_\_

المشرفون : \_\_\_\_\_

1- \_\_\_\_\_

2- \_\_\_\_\_

3- \_\_\_\_\_

4- \_\_\_\_\_

تاريخ القيد لدرجة : \_\_\_\_\_ /

تاريخ التسجيل الموضوع : \_\_\_\_\_

المتابعة الدورية : \_\_\_\_\_

التاريخ	ما تم انجازه من برتقول البحث	المتبقي	توقيع المشرفين

Remarks



## Declaration

Course Structure Mirror	Responsible (Module) Coordinator Name:	Signature	Date
<b>First part</b>			
Course 1			
Course 2			
Course 3			
Course 4			
Course 5			
<b>Second part</b>			
Course 6 Internal Medicine			
-Module 1			
-Module 2			
-Module 3			
-Module 4			
-Module 5			
-Module 6			
Module 7			
Module 8			
Module 9			
- MD Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
M D Degree Principle Coordinator:			
Date approved by Department Council:			

يعتمد ،  
أ.د.  
رئيس القسم