

# Master Degree of INTERNAL MEDICINE

” كراسية الأنشطة ”

اللازمة لحصول المتدرب على درجة ماجستير الباطنة  
- طبقا للائحة النقاط المعتمدة -

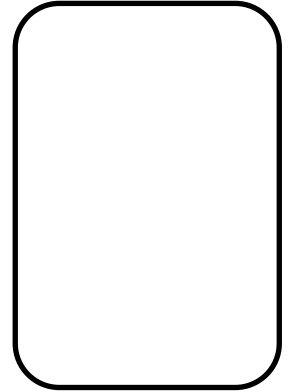
2016-2017

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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

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**\* 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.

#### Curriculum Structure:

Duration of program 36 months

#### Program Structure

#### Program Time Table

Duration of program 3 years maximally 5 years divided into

○ Part 1

Program-related essential courses and ILOs + elective courses

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

○ Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree, Discussion and acceptance of the thesis should not be set **before 12 months** from registering the M Sc subject;

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

○ Part 2

Program –related specialized science courses and ILOs

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

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

# First Part

## Academic activities of basic sciences

Practice with academic and clinical departments during year 1

- Course 1: Pharmacology
- Course 2: Anatomy and Histology
- Course 3: Physiology and Biochemistry
- Course 4: Pathology & Clinical pathology & Bacteriology
- Course 5: Infection control & Addiction.
- Course 6: Basic of Internal medicine:

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# Course 1

## Pharmacology

### Requirements

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

### Topics

- General pharmacology (pharmacokinetics, pharmacodynamics)
- Treatment of ischaemic heart disease
- Anticoagulants
- Antiplatelets
- Antiarrhythmic drugs
- Insulin and Hypoglycemic drugs
- Treatment of hypo and hyperthyroidism
- Antihypertensive
- Inotropics
- Corticosteroids
- Antibiotics
- Antiviral
- Antacids
- Diuretics
- Treatment of heart failure
- Non-steroidal anti inflammatory drugs
- Disease modifying anti rheumatic drugs
- Treatment of gout

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pharmacology	0.2 0.1 0.2 0.2 0.2 0.1	pharmacology	<b>Attendance 10 hours</b>	<b>100%</b>
			<b>2 hours</b> General pharmacology Ischaemic heart diseases Antihypertensive	20%
			<b>1 hours</b> Treatment of heart failure, Diuretics	10%
			<b>2 hours</b> Antiplatelets Antiarrhythmic drugs Inotropics Anticoagulants	20%
			<b>2 hours</b> Insulin and Hypoglycemic drugs Treatment of hypo and hyperthyroidism	20%
			<b>2 hours</b> NSAIDs -Corticosteroids DMARD- gout	20%
			<b>1 hours</b> Antibiotics -Antiviral - Antacids	10%
			Student signature	



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# Course 2

## UNIT 1

# Anatomy

### Requirements

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

### Topics

Anatomic details of:

- Abdominal organs (liver, kidney, spleen, intestine, peritoneum)
- Blood supply of abdominal organs
- Chest (lungs, pleura, Mediastinum)
- Blood supply of chest organs
- Cardiovascular anatomy (heart and great vessels)



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy	0.2	Anatomy	2 hours Abdominal organs) (liver, kidney, spleen, intestine, peritoneum)	20%
	0.1		1 hours - Blood supply of abdominal organs	10%
	0.3		3 hours Chest (lungs, pleura Mediastinum)	30%
	0.4		4 hours Cardiovascular system	40%
Student signature			Principle coordinator signature	Head of the department signature



Anatomy lectures

Date	Attendance	Topic	Signature

# COURSE 2 UNIT 2

## Histology

### Requirements

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

### Topics

Histological Principles of:

- Cell structure
- Epithelium
- Connective tissue proper
- Blood cells
- Cardio vascular system
- Lymphatic organs
- Digestive system
- Endocrine glands

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology	1	Histology	<b>10 hours</b>	100%
	0.1		<b>1 hour</b> Cell structure	10%
	0.1		<b>1 hour</b> Epithelium	10%
	0.1		<b>1 hour</b> Connective tissue proper	10%
	0.1		<b>1 hour</b> Blood cells	10%
	0.1		<b>1 hour</b> Cardio vascular system	10%
	0.1		<b>1 hour</b> Lymphatic organs	10%
	0.2		<b>2 hour</b> Digestive system	20%
	0.2		<b>2 hour</b> Endocrine glands	20%
Student signature				Principle coordinator signature



Histology lectures

Date	Attendance	Topic	Signature

# Course 3

## Unit 1

# Physiology

### Requirements

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

Describe Physiologic Principles of

Cardiovascular system:

- 1- Know the innervations of the heart
- 2- Know the regulation of the heart rate.
- 3- Know the cardiac out put and its components.
- 4- Know the arterial blood pressure and its regulation.
- 5- Know pulmonary and coronary circulation.
- 6- Know haemorrhage and its compensatory reaction.
- 7- Know ECG and its clinical significant.

Nervous system:

- 1- Describe the structure and functions of the ANS
- 2- Know its higher centers.
- 3- Pain

Blood:

- 1- Know the general components of blood and its functions.
- 2- Describe the mechanism of blood coagulation.
- 3- Understand some of clinical conditions occurring due to abnormalities of one or more of the blood components.

Endocrine:

- 1- Regulation of blood glucose
- 2- Physiology of thyroid gland
- 3- Physiology of adrenal gland
- 4- Calcium homeostasis

GIT:

- 1- Gastrointestinal hormones
- 2- Physiology of digestion and absorption

Nephrology

- 1- Acid base balance (mechanisms and abnormalities)
- 2- Urine formation
- 3- Hormones of the kidney

Metabolism:

Regulation of body temperature:

- Know the centre and mechanism for regulation of body temperature.
- Know the reaction of body on exposure to cold and hot
- Know abnormalities of regulation of body temperature.

Respiratory System:

- 1- Know the regulation of normal respiration.
- 2- Gas transport in blood (oxygen dissociation curve and CO<sub>2</sub> curve)
- 3- Know the respiratory functions of the blood and some disorders of the respiratory system as dyspnea, hypoxia and cyanosis).



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	1 CP	Physiology	10 hours	100%
	0.15		Cardiovascular system	15%
	0.1		Nervous system	10%
	0.1		Blood	10%
	0.1		Endocrine	10%
	0.15		- GIT	15%
	0.15		Nephrology	15%
	0.15		Metabolism	15%
	0.1		Respiratory System	10%
Student signature			Principle coordinator signature	Head of the department signature



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**Physiology lectures**

Date	Attendance	Topic	Signature

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# COURSE 3 UNIT 2

## Biochemistry

### Requirements

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

### Topics

*Details of Biochemistry of:*

Diabetes mellitus

Insulin and growth hormones

Essential amino acids

Essential fatty acids

Urea cycle

Uric acid

Atherosclerosis

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Biochemistry	1 CP	Biochemistry	10 hours	100%
	0.2		2 hours Diabetes mellitus	20%
	0.2		2 hours Insulin, and growth hormones	20%
	0.1		1 hour Essential amino acids	10%
	0.1		1 hour Essential fatty acids	10%
	0.1		1 hour Urea cycle	10%
	0.2		2 hours Uric acid	20%
	0.1		1 hour Atherosclerosis	10%
Student signature			Principle coordinator signature	Head of the department signature



(Biochemistry Lectures)

Date	Attendance	Topic	Signature

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# Course 4

## Unit 1

# Pathology

### Requirements

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

### Topics

#### ✚ Principles of General Pathology of:

- Thrombosis and embolism
- Inflammation
- Immunity & hypersensitivity.
- Tuberculosis & Bilharziasis
- Pathology of tumors.

#### ✚ Pathologic Details of:

##### **A. Cardiovascular System:**

- Myocardial infarction
- Heart failure
- Hypertension

##### **B. Gastrointestinal system:**

- Inflammatory bowel diseases
- Gastritis and peptic ulcer
- Hepatitis
- Gastrointestinal tumors

##### **C-Renal system:**

- Glomerulonephritis

##### **D-Endocrine:**

- Thyroid & para-thyroid
- Adrenal
- Pancreas



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	1 CP	Pathology	10 hours	100%
	0.2		2 hours General Pathology	20%
	0.2		2 hours Cardiovascular System	20%
	0.2		2 hours Gastrointestinal system	20%
	0.2		2 hours Renal system	20%
	0.2		2 hours Endocrine	20%
Student signature			Principle coordinator signature	Head of the department signature



( Pathology Lectures)

Date	Attendance	Topic	Signature

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# COURSE 4 UNIT 2

## Bacteriology

### Requirements

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

### Topics

- ✚ General bacteriology
  - Bacterial infections (typhoid, tuberculosis, brucellosis, & closteridial infection)
  - Antimicrobial agents
  - Opportunistic infection, nosocomial infection
- ✚ Immunology
  - Basic immunology
  - Immunologic diagnostic test and serology
  - Hypersensitivity
  - Immunogenetics and transplantation immunology
- ✚ General virology
  - Pathogenesis of viral diseases
  - Hepatitis
  - Influenza viruses
- ✚ Sterilization of endoscopy



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Bacteriology	1CP	Microbiology and immunology	10 hours	100%
	0.25		2.5 hours General bacteriology	25%
	0.25		2.5 hours Immunology	25%
	0.25		2.5 hours General virology	25%
	0.25		2.5 hours Sterilization of endoscopy	25%
Student Signature			Principle Coordinator Signature	



كلية الطب

Faculty of Medicine

( Bacteriology Lectures)

Date	Attendance	Topic	Signature

# COURSE 4 UNIT 3

## Clinical Pathology

### Requirements

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

### Topics

Principles of clinical pathology of :

- ☒ -Hepatitis markers
- ☒ Electrolytes (Sodium, potassium, and calcium)
- ☒ Cardiac markers
- ☒ Dyslipidemia
- ☒ Diabetes mellitus
- ☒ Kidney function tests
- ☒ Liver function tests
- ☒ Proteinuria
- ☒ Cerebrospinal fluid
- ☒ Acute phase reactants
- ☒ Plasma proteins
- ☒ Leukemias

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical pathology	1CP	Clinical pathology department	10 hours	100%
	0.5		5 hours	50%
	0.5		5 hours	50%
			Hepatitis markers Electrolytes Cardiac markers Hyperlipidemia Diabetes mellitus	
			Kidney function tests Liver function tests Proteinuria Cerebrospinal fluid Acute phase reactants Plasma proteins Leukemias	
Student signature			Principle coordinator signature	Head of the department signature



# Course 5

## Requirements

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

## Unit 1

# Infection control

- **Requirements : Didactic 1 credit points and 1 point for training**
- Minimal rate of attendance 80% of didactic and training

### Topics

Fever

PUO

Common viral ,bacterial and parasitic infection

Prevention of infectious diseases

Vaccination

AIDS

Sterilization of instruments

Hospital acquired infection

Endoscope associated infection

Resistance of antimicrobial



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Infection control	1CP	Microbiology	10 hours	100%
	0.5		5 hours Fever PUO Common infections Hospital acquired infection AIDS Endoscope associated infection	50%
	0.5		5 hours Prevention of infectious diseases Vaccination Sterilization of instruments Resistance of antimicrobial	50%
Student Signature			Principle Coordinator Signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Infection control	1CP	Microbiology	<p><b>Attendance of 1 week in infection control unit</b></p> <p>Learn :</p> <ul style="list-style-type: none"> <li>-Disinfection and sterilization</li> <li>-Evaluation of efficiency of sterilization 30%</li> <li>-Methods of vaccinations</li> <li>-Recent advances in diagnosis of TB and viral hepatitis 40%</li> <li>-Hospital acquired infections 30%</li> </ul>	100%
Student signature			Principle coordinator signature	Head of the department signature

### Infection control lectures and training

Date	Attendance	Topic/ training	Signature

# COURSE 5 UNIT 2

## Addiction

- **Requirements : Didactic 1 credit points and 1 point for training**
- Minimal rate of attendance 80% of didactic and training

### Topics

- 1-Define and explain the following terms  
Addiction, Abuse, Tolerance, Chemical dependence etc.....
- 2-Explain why addiction is a disease.
- 3-Demonstrate signs, symptoms and management of drug dependence e,g opium.
- 4-Diagnosis of different drugs abuse
- 5-Causes of abuse and addiction.



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Addiction	1CP	Forensic and toxicology	<b>10 hours</b>	100%
	0.5		5 hours 1-Define and explain the following terms Addiction, Abuse, Tolerance, Chemical dependence etc..... 2-Explain why addiction is a disease	50%
	0.5		5 hours 3-Demonstrate signs, symptoms and management of drug dependence e,g opium. 4-Diagnosis of different drugs abuse 5-Causes of abuse and addiction..	50%
Student Signature			Principle Coordinator Signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	1 CP	Forensic and toxicology	Attendance 1 week in Forensic and toxicology department	100%
	0.3		1-How to write a report about the case of addiction or toxicity of different abused drugs 2-How to identify shape, name characters of different drugs ,plants, chemicals lead to addiction	30%
	0.3		3-Case report about signs ,symptoms of addiction and withdrawal symptoms help in diagnosis of the case.	30%
	0.4		4-How to deal ethically with a case of addiction. 5-History taking	40%
Student signature			Principle coordinator signature	Head of the department signature



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Addiction lectures and training

Date	Attendance	Topic/ training	Signature

# Course 6 Basics of Internal Medicine

## Requirements

- **Credit points:** 4 credit point for didactic (lectures, seminars, tutorial) and 8 point for training.
- ✚ Minimal rate of attendance 80% of didactic and training

## Topics

- Basis of Clinical examination in internal medicine
- Aging (Effect of aging on various systems)
- Fluid therapy
- Over weight
- Poisoning (Organophosphorous, opium, salicylate, paracetamol, tranquilizers, digoxin, anticoagulant, scorpion bite .....
- Acid base balance



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of internal medicine	4 CP	Internal medicine department	<b>40 hours attendance or 20 hours active participation</b>	100%
	2		20 hours Basis of Clinical examination in internal medicine	50%
	2		20 hours <b>attendance or 10 hours active participation by candidates</b>  -Aging -Fluid therapy -Over weight - Poisoning -Acid base balance	50%
Student Signature			Principle Coordinator Signature	Head of the department signature



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of internal medicine	Total 8	Internal medicine department	8 weeks	100%
	4		Attendance 4 weeks in general medicine departments - Log of the following cases : - Elderly with chronic illness - Shocked cases and cases in need for Fluid therapy - Correction of acid base disorders - Obese individuals - Infectious diseases	50%
	2		Attendance 2 wks in General emergency departments Management of suspected cases with poisoning	25%
	3		Attendance 2 wk or 60 hours in out patient clinic of obesity	25%
Student signature			Principle coordinator signature	Head of the department signature



### A-Clinical cases log in the department

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

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



**B- Clinical cases log in emergency department**

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



### C- Procedure log (related to course 6)

Procedure	Number	Procedure	Number
Intravenous line insertion	Level C 5 Level B 5 Level A 5	Fluid therapy	Level C 5 Level B 5 Level A 5
Nasogastric tube insertion	Level C 5 Level B 5 Level A 5	Rectal tube insertion	Level C 5 Level B 3
Airway suctioning	Level C 3 Level B 3 Level A 5	Oxygen therapy	Level C 3 Level B 3 Level A 5
Venous blood sampling	Level C 5 Level B 3 Level A 5	Blood & blood product transfusion	Level C 5 Level B 5 Level A 5
Urine analysis by dipsticks	Level C 3 Level B 3 Level A 5		
Wound dressing	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

# Course 7 Internal Medicine 2 Advanced

## Requirements

- **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial) and 110 point for training (14 CP during year 1 and 96 during year 2, 3).
- ✚ Minimal rate of attendance 80% of didactic and training

# Specialized course

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	training	Total
<u>Unit 1</u> Cardiovascular and Critical care	15%	1,2,3	3.6	16.5	20.1
<u>Unit 2</u> Nephrology and dialysis	15%	1,2,3	3.6	16.5	20.1
<u>Unit 3</u> Hematology and its critical care	15%	1,2,3	3.6	16.5	20.1
<u>Unit 4</u> Endocrinology, diabetes and its critical care	15%	1,2,3	3.6	16.5	20.1
<u>Unit 5</u> Gastroenterology & Hepatology and its Critical care	15%	1,2,3	3.6	16.5	20.1
<u>Unit 6</u> Rheumatology and musculoskeletal diseases	10%	1,2,3	2.4	11	13.4
<u>Unit 7</u> Chest disease	5%	2,3	1.2	5.5	6.7
<u>Unit 8</u> Neurological disease	5%	2,3	1.2	5.5	6.7
<u>Unit 9</u> Radiology	5%	2,3	1.2	5.5	6.7
			24	110	134

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

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

## Year 1

### (14 credit point for training in advanced internal medicine)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
In internal medicine department	14	Internal medicine department	Rotation between the six major unit of internal medicine	100%
	4		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases in each unit of the department including interpretation of their different related laboratory investigation</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	28.6%
	5		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am)at least 1/week for 10 weeks</li> </ul>	35.7%
	2		<ul style="list-style-type: none"> <li>➤ Attendance of in the Outpatient clinic once per week ( 4 hours ) for at least 6 month</li> </ul>	14.3%
	2		<ul style="list-style-type: none"> <li>➤ Attendance of at least 60% of clinical rounds of the staff groups (4 hours /week for 20 weeks)</li> </ul>	14.3%
	1		<ul style="list-style-type: none"> <li>➤ Attendance of at least 60 % of the clinical seminars</li> <li>➤ Presentation of at least 1 case in the seminar</li> </ul>	7.1 %
Student signature			Principle coordinator Signature	Head of the department signature

**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 60% 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)	5 hours	
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Cardiology</b>	1.5		18.75%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Nephrology</b>	1.5		18.75%
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
<b>Endocrinology</b>	1		12.5%
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
<b>Rheumatology</b>	1		12.5%
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
<b>Heamatology</b>	1.5		18.75%
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
	(Total 0.5)	5 hours	
Student signature		Principle coordinator signature	Head of the department signature

**Year 2 (48 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	48	Internal medicine department	Year 2	100%
	29		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 8 month in the department including rotation between the six major units of the department including interpretation of their related laboratory investigation and different radiologic patterns</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	60.4%
	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</li> </ul>	20.8%
	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</li> </ul>	4.2 %
	4		<ul style="list-style-type: none"> <li>➤ Attendance of at least 1 month in the internal medicine intensive care unit.</li> </ul>	8.3%
	3		<b>Mini clinical exam</b>	6.3 %
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
<b>Internal medicine</b>	<b>12</b>	Internal-medicine	<b>Year 3</b>	<b>50% of the didactics of all Units</b>
	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 %
<b>Student signature</b>			<b>Principle coordinator Signature</b>	<b>Head of the department signature</b>

### 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%
<b>Gastroenterology</b>	1		12.5 %
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Cardiology</b>	1		12.5%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Nephrology</b>	1		12.5%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Endocrinology</b>	1.5		18.76%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Rheumatology</b>	1		12.5%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Haematology</b>	1		12.5%
	( Total 0.5)	5 hours	
	( Total 0.5)	5 hours	
<b>Neurology</b>	0.75	7.5 hours	9.37%
<b>Chest</b>	0.75	7.5 hours	9.37%
Student signature		Principle coordinator signature	Head of the department signature

**Year 3 (48 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	48	Internal medicine department	Year 2	100%
	29		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 8 month in the department including rotation between the six major units of the department including interpretation of their related laboratory investigation and different radiologic patterns</li> <li>➤ Log of cases as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	60.4%
	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</li> </ul>	20.8%
	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</li> </ul>	4.2 %
	4		<ul style="list-style-type: none"> <li>➤ Attendance of at least 1 month in the internal medicine intensive care unit.</li> </ul>	8.3%
	3		<b>Mini clinical exam</b>	6.3 %
Student signature			Principle coordinator Signature	Head of the department signature

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## Module1: Cardiovascular and its critical care

### Requirements

- **Credit points:** 3.6 credit point for didactic (lectures, seminars, tutorial during year 2, 3) and 16.5 point for training (2.5 point in first year and 14 points in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. Cyanosis.Differential diagnosis of chest pain
  2. Cardiac dysrhythmias.
  3. Rheumatic fever.
  4. Chronic valvular rheumatic heart disease.
  5. Cardiomyopathy.
  6. Heart failure.
  7. Infective endocarditis.
  8. Pericardial effusion.
  9. Systemic hypertension.
  - 10.Care of patients with cardiac invasive operations in the perioperative period.
  - 11.Acute coronary syndrome
  - 12.Cardiac tamponade
  - 13.Pulmonary edema
  - 14.Pulmonary embolism
  - 15.Shock
-

### Cardiovascular and Critical care Unit Module

Chest pain	40	Cardiogenic shock	10
Infective endocarditis	10	Aortic dissection	5
Cardiomyopathy	10	Pulmonary embolism	10
Acute coronary syndrome	20	Rheumatic heart disease	20
Cardiac tamponade	5	Hypertension	30
Acute rheumatic fever	10	Ischaemic heart disease	30
Cardiac arrhythmia	30		
Acute heart failure	10		
Hypertensive encephalopathy	10		



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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

## Module 2: Nephrology and dialysis unit

### Requirements

- **Credit points:** 3.6 credit point for didactic (lectures, seminars, tutorial during year 2, 3) and 16.5 point for training.(2.5 point in first year and 14 points in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. Nephrotic syndrome with its types :
2. Glomerulonephritis with its types
3. Acute renal failure.
4. Chronic renal failure.
5. Hematuria
6. Obstructive uropathy
- 7-Oliguria
- 8-Urine analysis
- 9-Pylonephritis
- 10-Peritoneal and hemodialysis
- 11-Interstitial nephritis

### Nephrology and dialysis Unit Module

Cases	Minimal Number	Cases	Minimal Number
Acute renal failure	10	Tubulo interstitial disease	10
Chronic renal failure	40	Renal tubular acidosis	10
nephrotic syndrome	20	Nephrogenic diabetes insipidus	5
Glomerulonephritis	10	Observation of kidney biopsy	5
Hematuria for DD	10	Renal dialysis	100
Urinary tract infection	20		
Urinary stones	10		
Renovascular disease	10		





Clinical case log

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

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

## Module 3: Haematology and its critical care unit

### Requirements

- **Credit points:** 3.6 credit point for didactic (lectures, seminars, tutorial during year 2, 3) and 16.5 point for training.(2.5 point in first year and 14 points in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

- 1-Anemia.
- 2- Neutropenia.
- 3- Bleeding and coagulation disorders.
- 4- Hematological malignancies.
- 5- Solid tumors.
- 6- Lymphadenopathy.
- 7- Splenomegaly.
- 8- Hematological disorders of the newborn.
- 9- Plasma pheresis
- 10- Blood transfusions
- 11- Bone marrow failure.

### Hematology and its critical care 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	Leukocyte disorders & immune deficiency	10
Purpura and bleeding disorders	20	Chronic leukaemias & Myeloproliferative disorders	10
Congenital and acquired clotting disorders	10		
Acute leukaemias	20		



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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

## Module 4: Endocrinology

### Requirements

- **Credit points:** 3.6 credit point for didactic (lectures, seminars, tutorial during year 2,3 ) and 16.5 point for training.(2 point in first year and 14.5 points in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

- 1- Short stature.
2. Diabetes type I and II
3. Obesity.
4. Polyurea and polydepsia.
5. hypo- and hyperpituitrism.
6. Hypo- and hyperglycemia.
7. Hypo- and hyperthyroidism.
8. Hypo- and hypercalcemia
9. Hypo- and hyperadrenocorticism.
10. Delayed and precocious puberty.
11. Intersex.
- 12-Osteoporosis and osteomalacia

### Endocrinology, diabetes and its critical care Unit Module

Case	Minimal Number	Case	Minimal Number
Diabetes mellitus	100	Hypoparathyroidism	2
Short stature for DD	10	Hyperparathyroidism	2
Obesity for DD	20	Hypopituitrism	2
Hypothyroidism	20	Precocious puberty	1
Diabetes insipidus	5	Hypoadrenocorticism	8
Delayed puberty	5	Hypoglycemia	5
Osteoporosis	10	Chronic diabetic complication	50
Cushing syndrome	10	Pheochromocytoma	1
Acute diabetic complications	20	Thyrotoxicosis	20

Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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

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## Module 5: Gastroenterology, hepatology and its critical care Unit Requirements

- **Credit points:** 3.6 credit point for didactic (lectures, seminars, tutorial during year 2, 3 ) and 16.5 point for training (2.5 point in first year and 14 points in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. Common lesions of the oral cavity.
  2. Acute and chronic diarrhea.
  3. Malabsorptive disorders.
  4. Inflammatory bowel disease.
  5. Acute and chronic abdominal pain.
  6. Parasitic infestation.
  7. GERD and congenital hypertrophic pyloric stenosis.
  8. Congenital anomalies of the anus, rectum and colon.
  9. Intestinal obstruction.
  10. GIT bleeding. Upper and lower
  11. Acute and chronic hepatitis.
  12. Fulminant hepatic failure.
  13. Cholestasis .
  14. Liver cirrhosis.
  15. Splenomegaly.
  16. Portal hypertension
  17. Ascites and peritonitis
  18. Reflux oesphagitis, gastritis and peptic ulcer
  19. Hepatic encephalopathy
  20. Pancreatitis
  21. Hepatoma
-

## Gastroenterology & Hepatology and its Critical care 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		
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



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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

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## Module 6: Rheumatology and musculoskeletal diseases unit

### Requirements

- **Credit points:** 2.4 credit point for didactic (lectures, seminars, tutorial during year 2, 3 ) and 11 point for training (2 point in first year and 9 point in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. Suspected Rheumatic Disease (diagnosis, investigations).
- 2-Rheumatoid arthritis
3. Juvenile Rheumatoid Arthritis.
4. Infective Arthritis.
- 5-Seronegative arthropathy
6. Systemic Lupus Erythematosus.
7. Dermatomyositis and scleroderma.
8. Osteoarthritis.
9. Poly arthritis, monoarthritis
- 10-Arthritis in systemic diseases
- 11-Non articular rheumatism.
- 12Antiphospholipid syndrome.



### Rheumatology and musculoskeletal diseases 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	10
Dermatomyositis and polymyositis	5	Infective arthritis	10
Rheumatoid arthritis	20	Antiphospholipid syndrome	10



Clinical case log

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

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



Clinical case log

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

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



Clinical case log

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

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

## Module 7: Chest Unit

### Requirements

- **Credit points:** 1.2 credit point for didactic (lectures, seminars, tutorial during year 2,3) and 5.5 point for training ( in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. COPD
2. Bronchial asthma
3. Respiratory failure.
4. Pneumonia (viral or bacterial).
5. Suppurative lung syndrome.
6. Cystic fibrosis.
7. Pleurisy, pleural effusions and empyema
8. Interstitial lung diseases.
9. Pulmonary embolism infarction and hemorrhage
10. Atelectasis.
11. Pulmonary tumors.

Chest disease Module	
Cases	Minimal Number
COPD	20
Lung cancer	10
Pleural effusion	10
Respiratory failure	5
Interstitial pulmonary fibrosis	20
Pneumonia	10
Bronchial asthma	10



Clinical case log

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

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

## Module 8: neurology

### Requirements

- **Credit points:** 1.2 credit point for didactic (lectures, seminars, tutorial during third year) and 5.5 point for training ( in second and third year)

Minimal rate of attendance 80% of didactic and training

### Topics

1. Cerebral Palsy.
2. Motor deficit (hemiplegia, paraplegia, quadriplegia)
3. Myopathy.
4. Peripheral neuropathy.
5. Epilepsy & condition that mimic epilepsy.
6. Headache.
7. Neurodegenerative and neurometabolic diseases.
9. Intracranial tumors.
10. Meningitis.
11. Encephalitis.
12. Coma.
13. Ataxia.

Neurological disease Module	
Case	Minimal Number
Convulsions	20
Meningitis & encephalitis	10
Cerebrovascular stroke	10
Coma for DD	20
Neuropathy	20
	10



Clinical case log

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

\* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision



Clinical case log

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

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



Clinical case log

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

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

## Module 9: Radiology

### Requirements

**Credit points:** 1.2 credit point for didactic (lectures, seminars, tutorial) and 5.5 point for training (in second and third year)

Minimal rate of attendance 80% of didactic and training

Radiology Module	
Cases	Minimal Number
X-ray of the bone.	20
Plain urinary tract with and without contrast	10
Barium swallows meal and enema.	10
Ultrasonography of the abdomen	20
Computed tomography	20
MRI	20



**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



# Procedures

**20% DURING YEAR 1**

### General Internal medicine procedures

Procedure	Number	Procedure	Number
Intravenous line insertion	Level C 5 Level B 5 Level A 15	Fluid therapy	Level C 5 Level B 5 Level A 15
Nasogastric tube insertion	Level C 5 Level B 5 Level A 15	Rectal tube insertion	Level C 5 Level B 3 Level A 15
Airway suctioning	Level C 3 Level B 3 Level A 15	Oxygen therapy	Level C 3 Level B 3 Level A 15
Venous blood sampling	Level C 5 Level B 3 Level A 15	Blood & blood product transfusion	Level C 5 Level B 5 Level A 15
Urine analysis by dipsticks	Level C 3 Level B 3 Level A 15		
Wound dressing	Level C 5 Level B 5 Level A 15		

### 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

**A-Clinical Rotation, Outpatient clinic, Case log and Night Shift**

**Clinical Rotation**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor





كلية الطب

Faculty of Medicine

## Outpatient clinic

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























## Procedures log book

### 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





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**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)	(2)		(4)		(6)	strongly agree (7)
			(3)	(5)				
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).								
Appraises evidence from scientific studies.								
Conduct epidemiological studies and surveys.								
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.								

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



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

# Elective Course 1

## Requirements

● **Credit points:** 2 credit point.

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









## الرسائل العلمية

عنوان الرسالة

عربي : \_\_\_\_\_

انجليزي : \_\_\_\_\_

المشرفون : \_\_\_\_\_

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

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

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

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

تاريخ القيد لدرجة : / / \_\_\_\_\_

تاريخ التسجيل الموضوع : \_\_\_\_\_

المتابعة الدورية : \_\_\_\_\_

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين



## Declaration

Course Structure Mirror	Responsible (Course ) Coordinator Name:	Signature	Date
<b>First Part</b>			
Course 1: Pharmacology			
Course 2: Anatomy and Histology			
Course 3: Physiology and Biochemistry			
Course 4: Pathology & Clinical pathology& Bacteriology			
Course 5: Infection control & Addiction			
Course 6: Basic of Internal medicine:			
<b>Second Part Course 7:</b> Advanced internal 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:			

يعتمد ،  
رئيس القسم