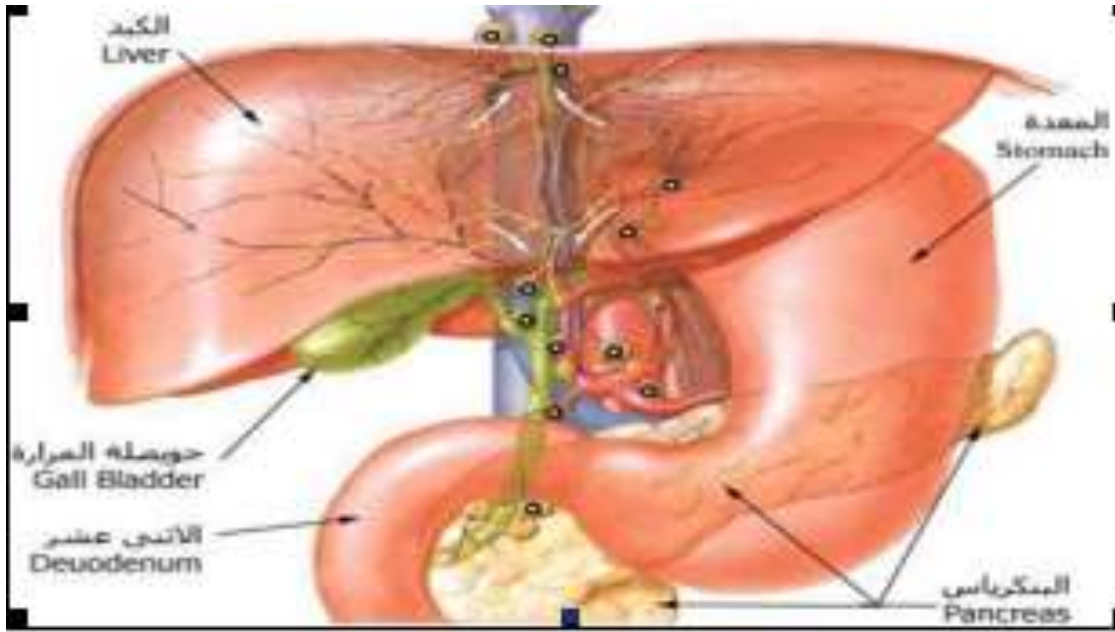


MD Degree of Tropical Medicine & Gastroenterology Log Book



” كراسة الأداء و الأنشطة ”

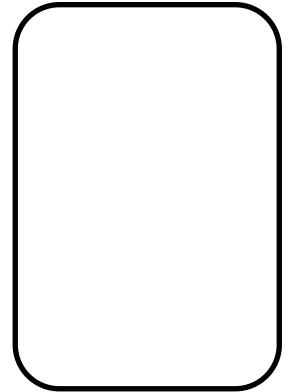
دكتوراه في طب المناطق الحارة والجهاز الهضمي والكبد والأمراض
المعدية

(Credit point bylaw)

2022-2023



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

MSc... .. /...../..... University.....Grade

Grade of Internal Medicine on graduation



Part I

(During year 1)

Course 1 Medical statistics

Course 2: Research methodology

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

Course 4: Tropical Medicine and Gastroenterology 1

Unit 1: Basics of immunology

Unit 2: Basic of Radiology

Unit3: Pathology & Physiology

Course 5: Tropical Medicine and Gastroenterology 2

(Training only during year 1)



Assiut University
Faculty of Medicine

Tropical Medicine & Gastroenterology
Department

Medical statistics & Research methodology



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



**Medical Statistics
Lectures and tutorials**

Date	Attendance	Topic	Signature



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	Pubic 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



Research Methodology

Lectures and tutorials

Date	Attendance	Topic	Signature



Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

**General medicine, Special medicine, Pediatrics, Public health,
Oncology and Rheumatology (1st 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



Course 4

Tropical Medicine and Gastroenterology 1

(7 credit point)

Unit 1: Basic of Radiology (1 credit point)

Unit 2: Basics of immunology (2 credit point)

Unit 3: Pathology & Physiology (4 credit point)



Unit 1: Basic of Radiology

Requirements

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

Topics:

Ultrasound and other related techniques

- 1-Basic principle (indication/Physics)
- 2-Hepatobiliary (normal finding and pathologic findings)
- 3-Other abdominal disorders
- 4-Pitfalls of the procedures

Abdominal CT- Scan and MRI and others (advances in imaging)

- 1-Basic principle (indication/Physics)
- 2-Hepatobiliary (normal finding and pathologic findings)
- 3-Other abdominal disorders
- 4-Pitfalls of the procedures

Barium study of gastrointestinal tract

- 1-Basic principle
- 2-Normal findings
- 3-Pathologic findings
- 4-Pitfalls of the procedures

X-ray chest and heart

- 1-Basic principle
- 2-Normal finding
- 3-Pathologic findings
- 4-Pitfalls of the procedures



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic of Radiology	Total 1 CP	Tropical Medicine and Radiology departments	Total 10 hours	100%
	0.25 CP	Tropical Medicine	2.5 hours Ultrasound and other related techniques 1-Basic principle(indication/Physics) 2-Hepatobiliary(normal finding and pathologic findings) 3-Other abdominal disorders 4-Pitfalls of the procedures	25%
	0.25 CP	Tropical Medicine and Radiology department	2.5 hours Barium study of gastrointestinal tract 1-Basic principle 2-Normal finding 3-Pathologic findings 4-Pitfalls of the procedures	25%
	0.25 CP	Radiology department	2.5 hours Abdominal CT- Scan and MRI and others(advances in imaging) 1-Basic principle(indication/Physics) 2-Hepatobiliary(normal finding and pathologic findings) 3-Other abdominal disorders 4-Pitfalls of the procedures	25%
	0.25 CP	Radiology department	2.5 hours X-ray chest and heart 1-Basic principle 2-Normal finding 3-Pathologic findings 4-Pitfalls of the procedures	25%
Student signature			Principle coordinator signature	Head of the department signature



Assiut University
Faculty of Medicine

Tropical Medicine & Gastroenterology
Department

Basics of Radiology Lecture

Date	Attendance	Topic	Signature



Unit 2: Basics of immunology

Requirements

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

Topics:

- Immunologic mediators (Cytokines and chemokines) in health and disease states of the liver and GIT.
- Immunologic basis of liver Fibrosis
- Tumor Immunology in GIT and liver (e.g. Hepatocellular Carcinoma, Cholangiocarcinoma, and metastatic neoplasms, MALT lymphoma).
- Immunologic basis of viral Hepatitis
- HBV: acute and chronic Hepatitis B, determinants of severity, chronicity, and response to antiviral therapy
- HCV: acute and chronic Hepatitis C, determinants of severity, chronicity, and response to antiviral therapy
- Extrahepatic manifestations in HAV, HBV, and HCV infections: Importance of recognition and therapy
- Autoimmune diseases in Liver & GIT (e.g. autoimmune hepatitis & food allergy and intolerance & eosinophilic gastroenteritis & Atrophic gastritis & celiac disease & Inflammatory bowel diseases).
- Immunologic diagnosis in liver & GIT and infectious diseases
- Immunology of liver transplant rejection
- **Text book:**
 - 1-Liver Immunology Principles and Practice
 - 2- Clinical Gastroenterology and Hepatology.
 - 3- Sleisenger_and_Fordtrans_Gastrointestinal_and_Liver_Disease



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of immunology	Total 2 CP	Tropical Medicine and gastroenterology And Clinical pathology	Total 20 hours attendance or 10 hours (Active participation) by the candidates.	100%
	0.25 CP	Tropical Medicine and gastroenterology And Clinical pathology	2.5 hours attendance or 1.25 hours (Active participation) <ul style="list-style-type: none"> Immunologic mediators (Cytokines and chemokines) in health and disease states of the liver and GIT. 	12.5%
	0.75 CP	Tropical Medicine and gastroenterology And Clinical pathology	7.5 hours attendance or 3.75 hours (Active participation) <ul style="list-style-type: none"> Immunologic basis of viral Hepatitis - HBV: acute and chronic Hepatitis B, determinants of severity, chronicity, and response to antiviral therapy - HCV: acute and chronic hepatitis C, determinants of severity, chronicity, and response to antiviral therapy - Extrahepatic manifestations in HAV, HBV, and HCV infections: Importance of recognition and therapy 	37.5%



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
	0.5CP	Tropical Medicine and gastroenterology And Clinical pathology	<p>5 hours attendance or 2.5 hours (Active participation)</p> <ul style="list-style-type: none"> Tumor Immunology in GIT and liver (e.g. Hepatocellular Carcinoma, Cholangiocarcinoma, and metastatic neoplasms, MALT lymphoma). Immunologic basis of liver Fibrosis 	25%
	0.5CP	Tropical Medicine and gastroenterology And Clinical pathology	<p>5 hours attendance or 2.5 hours (Active participation)</p> <ul style="list-style-type: none"> Autoimmune diseases in Liver & GIT (e.g. autoimmune hepatitis & food allergy and intolerance & eosinophilic gastroenteritis & atrophic gastritis & celiac disease & inflammatory bowel diseases). Immunologic diagnosis in liver & GIT and infectious diseases Immunology of liver transplant rejection 	25%
Student signature			Principle coordinator signature	Head of the department signature



Basics of immunology Lecture

Date	Attendance	Topic	Signature



Unit 3 Physiology and Pathology

- 4 credit point for lectures.

Physiology (2 credit point)

- Minimal rate of attendance 80% of lectures.

Physiologic details of:

- 1- Digestion: GIT secretion and hormones
- 2- Absorption of all nutrients in health and disease (include malabsorption syndrome)
- 3- GIT Motility
- 4- Hepatic physiology
 - Bilirubin metabolism in health and disease
 - Portal circulation and Pathophysiology of portal hypertension
 - Liver function tests
 - Bile acids
 - Pathophysiology of hepatic encephalopathy
- 5- Others
 - Gut flora in health and disease
 - Congenital non haemolytic hyper bilirubinaemia
 - Plasma Protein
 - Physiologic bases of body temperature, pyrexia, and heat induced disorders
 - Homeostasis (clotting factors & fibrogenesis and coagulation disorders)
 - Others (e.g. applied physiologic tests)

Text book

- 1- Sleisenger_and_Fordtrans_Gastrointestinal_and_Liver_Disease
- 2- Sherlock S and Dooley J -Clinical gastroenterology and Hepatology)
- 3- Gyton



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	Total 2 CP	Tropical Medicine	10 hours (Active participation)	100%
Physiology	0.5 CP		2.5 hours 1- Digestion: GIT secretion and hormones 2- Absorption of all nutrients in health and disease (include malabsorption syndrome)	25%
	0.25 CP		1.25 hours 3-GIT Motility	12.5%
	0.5 CP		2.5 hours 4- Hepatic physiology -Bilirubin metabolism in health and disease -Portal circulation and Pathophysiology of portal hypertenstion -Liver function tests -Bile acids -Pathophysiology of hepatic encephalopathy	25%
	0.75 CP		(3.75 hours) 5-Others -Gut flora in health and disease - Congenital non haemolytic hyper bilirubinaemia - Plasma Protein -Physiologic bases of body temperature, pyrexia, and heat induced disorders - Homeostasis (clotting factors & fiberogenesis and coagulation disorders) -Others (e.g. applied physiologic tests)	37.5%
Student signature			Principle coordinator signature	Head of the department signature



Pathology (2 credit point)

- Minimal rate of attendance 80% of lectures.

Gastrointestinal tract

➤ **Inflammation and Infection (including immunologic diseases)**

Gastritis

IBD

Microscopic colitis

Eosinophilic gastroenteritis

➤ **Neoplasm**

Intestinal polyps

GIT tumors and MALT lymphoma

➤ **Others**

GERD

Gastric and duodenal ulcers

Hepatology

➤ **Inflammation and Infection (including immunologic diseases)**

Viral hepatitis (acute, chronic)

Autoimmune hepatitis

Sclerosing cholangitis

➤ **Neoplasm**

Primary and secondary liver tumors

Benign hepatic tumor and cysts.

➤ **Others**

-Fibrocystic disease of liver

-Hepatic granuloma

-Vascular diseases of the liver (BCS, cardiac cirrhosis ...etc)

Infection

-Enteric fever

-TB peritonitis

-Intestinal TB

-Shistosomiasis

-Liver abscess (pyogenic and amoebic)

Text book

-Sleisenger_and_Fordtrans_Gastrointestinal_and_Liver_Disease

- Sherlock S and Dooley J -Clinical gastroenterology and Hepatology)



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	2 CP	Tropical Medicine	10 hours Active participation by the candidates	100%
Pathology	1 CP		Gastrointestinal tract (5 hours) Inflammation and Infection (including immunologic diseases) Gastritis IBD Microscopic colitis Eosinophilic gastroenteritis <u>Neoplasm</u> Intestinal polyps GIT tumors and MALT lymphoma <u>Others</u> GERD Gastric and duodenal ulcers	50%
	(0.75 CP)		Hepatology (3.75 hours) Inflammation and Infection (including immunologic diseases) Viral hepatitis (acute, chronic) Autoimmune hepatitis Sclerosing cholangitis Neoplasm Primary and secondary liver tumors Benign hepatic tumor and cysts. Others -Fibrocystic disease of liver -Hepatic granuloma -Vascular diseases of the liver (BCS, cardiac cirrhosis ...etc)	37.5%
	0.25 CP		Infection (1.25 hours) -Enteric fever -TB peritonitis -Intestinal TB -Shistosomiasis -Liver abscess (pyogenic and amoebic)	12.5%
Student signature			Principle coordinator signature	Head of the department signature



Year 1 (23 credit point for training in Tropical Medicine Department)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Tropical Medicine and gastroenterology	23	Tropical Medicine and gastroenterology	Year 1	100%
	8		<ul style="list-style-type: none"> ➤ 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 perform abdominal US ➤ Supervision on the residents for the newly admitted cases ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	34.8%
	4		<ul style="list-style-type: none"> ➤ 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. 	17.4%
	3		<ul style="list-style-type: none"> ➤ Attendance of one day in the Outpatient clinic (3 hours/day) for at least 8 week and perform abdominal US when needed. 	13%
	4		<ul style="list-style-type: none"> ➤ Attendance of one day in the endoscopy unit/ week for at least 16 week for training 	17.4%



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	4		<ul style="list-style-type: none">➤ Attendance of One month in Ultrasonography unit for the external➤ Perform Abdominal US under supervision for at least 2 days per week for 2 month.	17.4%
Student signature			Principle coordinator Signature	Head of the department signature



Module: Gastroenterology

Cases	Level of participation*
Dysphagia	
Dyspepsia (GU, DU, GERD, Duodenitis, Gastritis)	
Diarrhea (IBS, IBD, Malabsorption, TB)	
Constipation	
TB peritonitis	
Acute pancreatitis	

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

Module: Hepatology

Cases	Level of participation*
- Acute viral hepatitis (A- E)	
- Chronic hepatitis (causes, management)	
- Liver cirrhosis (causes, management of complication, LCF)	
- Hepatic focal lesion	
- Jaundice and Cholestasis	
- Hepatosplenomegaly	
-Portal hypertension	
-Liver abscess (Pyogenic and amoebic)	
- Cholecystitis (Acute & chronic)	



<u>Emergency in gastroenterology</u>	Level of participation*
CASES	
-Upper GIT bleeding	
-Lower GIT bleeding	
-Acute abdominal pain (specially , medical causes of acute abdomen)	
-Intestinal obstruction and (pseudo obstruction)	
-Diabetic emergencies (Hyperglycaemia, Hypoglycaemia)	
Sever gastroenteritis (dehydration)	

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

Emergency in hepatology	Level of participation*
-Hepatic encephalopathy	
-Hepatorenal syndrome	
-Fulminant hepatitis	

Emergency in Hematology	Level of participation*
- Hemorrhagic disorders	



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

Clinical Rotation

Duration from -to	Location	Signature of supervisor



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor



B- Procedures log book During year 1 (For all modules)

Requirements *

- Abdominal Ultrasonography (A)
- Liver biopsy (10 B & 10 A).
- Local injection for hepatic tumors (5 B & 5 A).
- Liver abscess drainage (2 B & 2 A).
- (Cyst drainage or lymph node biopsy or aspirate from masses or collection) (B)
- Diagnostic Upper GIT endoscopy (10 C & 10 B & 10 A)
- Diagnostic Lower GIT endoscopy (5 C & 5 B & 5A)
- Sclerotherapy (5 C & 5 B & 5 A)
- Band ligation (C)

Level of competency *

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



Procedures log book

Abdominal Ultrasonography (Diagnostic and interventional)

Date	Procedure	Level of competency*	Diagnosis of the case	Signature

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



Procedures log book

Diagnostic and interventional US

Date	Procedure	Level of competency*	Diagnosis of the case	Signature

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



Procedures log book

Diagnostic and interventional US

Date	Procedure	Level of competency*	Diagnosis of the case	Signature

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



Procedures log book
Diagnostic and interventional GIT endoscopy

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



Procedures log book

Diagnostic and interventional GIT endoscopy

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



Procedures log book
Diagnostic and interventional GIT endoscopy

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



Part II

Course 5 Tropical medicine and gastroenterology 2

Requirements

- **Didactic** (lectures, seminars, tutorial) : 24 credit point for during year 2 and year 3 (1.5 credit point out of these 24 for formative assessment - twice / year or at least 3 exam during whole period)
- **Training** : 123 credit point for (23 credit point during year 1 and 100 credit point during year 2, 3 and 4) (4-6 credit point out of these 100 for formative mini clinical exam - twice / year or at least 3 exam during whole period)
- **Minimal rate of attendance** 80% of didactic and training.

This course consists of 6 modules

Module 1 Gastroenterology (25%)

Module 2 Hepatology (25%)

Module 3 Infectious Diseases and Chemotherapy (25%)

Module 4 Hematology in Tropics (5%)

Module 5 Nutrition (5%)

Module 6 Tropical Emergencies (In Hepatology, Gastroenterology and Infectious diseases) (15%)



Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	Training *	total
1) Unit (Module) 1 Gastroenterology	25%	1, 2, 3	6	30	36
2) Unit (Module) 2 Hepatology	25%	1, 2, 3	6	30	36
3) Unit (Module) 3 Infectious Diseases	25%	2, 3	6	30	36
4) Unit (Module) 4 Nutrition	5%	2, 3	1	6	7
5) Unit (Module) 5 Hematology	5%	2, 3	1	6	7
6) Unit (Module) 6 Tropical Emergencies.	15%	1,2, 3	4	21	25
Total No. of Units (6 Modules):	100%		24	123	147

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



Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها



Year 2

(11.5 credit point for didactic in Hepatology and & 50% of Gastroenterology and 50 % of tropical emergencies including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Hepatology And their emergencies 50 % of gastro- enterology 50 % of the Tropical emergencies	11.5	Tropical Medicine and gastro- enterology	Year 2	100% of the didactics of Unit Hepatology 50 % of gastroenterology 50 % of the Tropical emergencies
	6.5		Topics and attendance 65 hour One lecture /week (Lectures Schedule as described below	56.5%
	3.25 (At least 2 of them for topics in Hepatology)		Seminars 2.5 hours- once / week for at least 8 month ➤ Attendance of at least - 80% of the clinical seminars for Assistant lectures ➤ Attendance of at least 80% of the clinical seminars for the external ➤ Presentation of at least 1 time in the seminar	28.3%
	1		Conference or workshop	8.7%
	0.75		Formative assessment	6.5%
Student signature			Principle coordinator Signature	Head of the department signature



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
100% of the didactics of Unit Hepatology 50 % of gastroenterology 50 % of the Tropical emergencies	6.5	Year 2	100%
	4	-Hepatology and its emergency	61.5%
	(Total 0.5)	5 hours Acute hepatitis A-E and Acute hepatitis caused by emerging new strains -Chronic hepatitis -NAFLD(Fatty liver and NASH and insulin resistance) -Spontaneous Bacterial peritonitis -(HBV/HCV) co infection	
	(Total 0.5)	5 hours -Primary hepatic tumor (HCC) -Secondary hepatic tumors and benign liver tumors -Liver abscesses	
	(Total 0.5)	5 hours -Autoimmune liver diseases -Fulminant Hepatitis -Jaundice and	



		Cholestasis -Budd – chiari syndrome	
	(Total 0.5)	5 hours -Liver and lung relations including Hepatopulmonary syndrome -Drug induced liver disease -Liver and kidney -Liver fibrosis	
	(Total 0.5)	5 hours -Liver diseases in pregnancy -Liver diseases in elderly -Liver in systemic diseases -Assessment of surgical risk in liver cirrhosis	
	(Total 0.5)	5 hours Metabolic liver diseases -Hepatic granuloma -Portal hypertension Acute porphyria Liver cell failure (Acute, chronic, and acute on top of chronic) Choledocal cyst GB polyp -Alcoholic liver	



		diseases	
	(Total 0.5)	5 hours - Over view on Liver transplantation (Indication, contraindication, management, and complication) -Management of chronic hepatitis C. -Natural history of hepatitis B and stages of infection	
	(Total 0.5)	2.5 hours -Active participation by the candidates in the seminar for recent advances in certain topics (related to Hepatology as guidelines for management for common diseases etc,....)	
	2.5	Gastroenterology 50% and its emergency	38.5%
	(Total 0.5)	5 hours -GERD -Gastritis & Non ulcer dyspepsia - Peptic ulcer -Drugs for peptic ulcers	
	(Total 0.5)	5 hours -Tuberculosis of GIT tract	



		-Acute pancreatitis -Chronic pancreatitis	
	(Total 0.5)	5 hours -Crohn's disease -Ulcerative colitis -Update management of IBD -Vascular malformation of intestine -Diarrhea (Acute and infectious diarrhea)	
	(Total 1 credit point)	10 hours - Gastrointestinal bleeding -Abdominal pain - chronic diarrhea and Malabsorption -Intestinal ischemia - Microscopic colitis • Barrett esophagus • Eosinophilic esophagitis and gastroenteritis • Terminal ileitis • Diverticulitis	
Student signature		Principle coordinator signature	Head of the department signature



Year 2 (40 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 Tropical Medicine and gastroenterology	40	Tropical Medicine and gastroenterology	Year 2	100%
	14		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 6 month in the department and interpret abdominal CT and perform abdominal US ➤ Attendance of clinical rounds ➤ Supervision on the residents for the admitted cases ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	35%
	8		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 16 week in the department (including supervision on the residents for the newly admitted cases and critical cases) and or in the endoscopy unit. 	20%
	2		<ul style="list-style-type: none"> ➤ Attendance of one day in the Outpatient clinic (3 hours/day) for at least 16 week and perform abdominal US when needed. 	5%
	4		<ul style="list-style-type: none"> ➤ Attendance of one day in the endoscopy unit/ week for at least 30 weeks including performance of the needed procedures for the assistant lectures. ➤ Or attendance of at least 1.5 month in the endoscopy unit for the external 	10%



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	4		➤ Attendance and or Supervision of at least one month in the tropical medicine intermediate care unit (ICU)	10%
	6		<ul style="list-style-type: none"> ➤ Attendance of One month and half month in the Ultrasonography unit for the external ➤ Perform Abdominal US for the inpatients at least 2 days per week (3 hours per day) for 10 weeks. 	15%
	2		Mini clinical exam	5%
Student signature			Principle coordinator Signature	Head of the department signature



Year 3

(10 credit point for didactic in infectious diseases and 50% gastroenterology and 50 % tropical emergencies including their formative assessment)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
-Infectious diseases -50 % of gastro- enterology -50 % of the Tropical emergencies	10	Tropical Medicine and gastroenterology	Year 3	100%
	6.25		Topics and attendance 60 hour One lecture /week (Lectures Schedule as described below)	62.5%
	2		Seminars 2 hours once / week for at least 6 month ➤ Attendance of at least 80% of the clinical seminars for residence ➤ Attendance of at least 80% of the clinical seminars for the external ➤ Presentation of at least 2 time in the seminar	20%
	1		Conference or workshop	10%
	0.75		➤ Formative assessment	7.5%
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
-Infectious diseases -Remaining parts of gastro-enterology - Remaining parts of the Tropical emergences	6.25	Year 3	100%
	2	Gastroenterology	32%
	(Total 0.5)	5 hours -Motility disorders -Gastroparesis -Irritable bowel syndrome	
	(Total 0.5)	5 hours -Celiac disease -Whipple's disease -Pseudomembranous colitis -Diverticular disease of the colon	
	(Total 0.5)	5 hours -Endocrinal tumors of the pancreas Gastrointestinal polyposis -Protein losing enteropathy	



	(Total 0.5)	5 hours - Drug induced damage of the Gastrointestinal tract -Radiology in Gastrointestinal tract. - Gut flora in health and disease	
	4.25	Infections	68%
	(Total 0.5)	5 hours -Typhoid fever -Salmonella infection other than typhoid -Brucellosis -Food poisoning	
	(Total 0.5)	5 hours -E coli -Enterocolitides -H. pylori infection -Coma in the tropics	
	(Total 1 credit point)	10 hours -Pneumonia -Infective Endocarditis -Staphylococcal Infections and toxic shock syndrome. -Immunization in international travel - HIV infection	



	(Total 0.5)	5 hours -Infectious mononucleosis Cytomegalovirus Hemorrhagic fever viruses	
	(Total 0.5)	5 hours -Parasitic disease of the liver) -Hospital acquired infection -Infection in immunocompromized -Infections associated with immunobiological therapies. -Vaccination in immunocompromised host -Sexually transmitted diseases	
	(Total 0.5)	5 hours - Antimicrobial Chemotherapy and their principals of use. -Intestinal parasites and clinical parasitology	
	(Total 0.5)	5 hours -Bacterial Meningitis -Meningococcal Infections -Leptospirosis	



	(Total 0.25)	2.5 hours -Pyrexia of unknown origin (PUO) COVID -19 Microbiology, clinical presentations in different system, investigation and management -Post covid syndrome, -Infections transmitted by grafts	
Student signature		Principle coordinator signature	Head of the department signature



Year 3 (40 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 Tropical Medicine and gastroenterology	40	Tropical Medicine and gastroenterology	Year 3	100%
	14		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 6 month in the department and interpret abdominal CT and perform abdominal US ➤ Attendance of clinical rounds ➤ Supervision on the residents for the admitted cases ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	35%
	8		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 16 week in the department (including supervision on the residents for the newly admitted cases and critical cases) and or in the endoscopy unit. 	20%
	2		<ul style="list-style-type: none"> ➤ Attendance of one day in the Outpatient clinic (3 hours/day) for at least 16 week and perform abdominal US when needed. 	5%
	4		<ul style="list-style-type: none"> ➤ Attendance of one day in the endoscopy unit/ week for at least 30 week including performance of the needed procedures for the assistant lectures . ➤ Or attendance of at least 1.5 month in the endoscopy unit for the external 	10%



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	4		➤ Attendance and or Supervision of at least one month in the tropical medicine intermediate care unit (ICU)	10%
	6		<ul style="list-style-type: none"> ➤ Attendance of One month and half month in the Ultrasonography unit for the external ➤ Perform Abdominal US for the inpatients at least 2 days per week (3 hours per day) for 10 weeks. 	15%
	2		Mini clinical exam	5%
Student signature			Principle coordinator Signature	Head of the department signature



Year 4 (First half)

(2.5 credit point for didactic in hematology, Nutrition and remaining parts of infection or gastroenterology)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Hematology, Nutrition and remaining parts of infection	2.5	Tropical Medicine and gastroenterology	Year 4	100%
	1		Topics and attendance 10 hour One lecture /week (Lectures Schedule as described below)	40%
	1.5		Seminars 2 hours once / week for at least 3 month ➤ Attendance ➤ Active participation in the seminar	60%
Student signature			Principle coordinator Signature	Head of the department signature



Lectures Schedule in year 4 (First half)

Name of the course	Credit points	Attendance	Percentage of Achieved points
Hematology, Nutrition and remaining parts of infection	2		100%
	(Total 0.5)	Haematology (5 hours)	25%
		-Anemias in tropics	
		-Hematological changes in liver diseases	
		-Hazards of Blood transfusion.	
		-Management of hematological disorders in chronic HCV patient receiving interferon and ribavirin.	
	Total (1 credit point)	(5 hours)	50%
		-Active participation by the candidates in the seminar for recent advances in topics related to infection or chemotherapy as present in the course specification	



	(Total 0.5)	Nutrition 5 hours	25%
	-Active participation by the candidates for recent topics related to Nutrition as -Water and fat soluble vitamins disorders -Assessment of Malnutrition -Mineral disorders		
	-Nutrition in liver diseases		
	-Nutrition in celiac disease.		
	-Nutrition in IBD		
	-Nutrition Pre- and Post LT		



Year 4 First half only (20 credit point for training in all units)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Tropical Medicine and gastroenterology	20	Tropical Medicine and gastroenterology	Year 4	100%
	6		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 1 month in the department and interpret Abdominal CT and perform abdominal US ➤ Supervision on the residents for the admitted cases ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below 	30%
	4		<ul style="list-style-type: none"> ➤ Night shift (From 2 pm to 8 am) at least 1 night shift /week for 8 weeks in the department (including supervision on the residents for the newly admitted cases and critical cases) and or in the endoscopy unit . 	20%
	1		<ul style="list-style-type: none"> ➤ Attendance of one day in the Outpatient clinic (3 hours/day) for at least 8 week and perform abdominal US when needed. 	5%
	2		<ul style="list-style-type: none"> ➤ Attendance of one day in the endoscopy unit/ week for at least 15 week including performance of the needed procedures for the assistant lectures. ➤ Or attendance of at least 3weeks in the endoscopy unit for the external 	10%



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
	4		➤ Attendance and or Supervision of at least one month in the tropical medicine intermediate care unit (ICU)	20%
	3		<ul style="list-style-type: none"> ➤ Attendance of 2 weeks in the Ultrasonography unit for the external ➤ Perform Abdominal US for the inpatients at least 1 day per week (3 hours per day) for 10 weeks. 	15%
Student signature			Principle coordinator Signature	Head of the department signature



Clinical case log book:

Module: Gastroenterology

Cases	Level of participation*
Dysphagia	
Dyspepsia (GU, DU, GERD, Duodenitis, Gastritis)	
Diarrhea (IBS, IBD, Malabsorption, TB)	
Constipation	
TB peritonitis	
Acute pancreatitis	
GIT Tumors	
<u>Emergency in gastroenterology</u> (As in tropical emergencies module)	
<u>Other cases as log</u>	

* Level of participation

A- Plan and carry out

B- Carry out

C- Carry out under supervision.



Module: Hepatology

Cases	Level of participation*
- Acute viral hepatitis (A- E)	
- Chronic hepatitis (causes, management)	
- Liver cirrhosis (causes, management of complication, LCF)	
- Hepatic focal lesion	
- Jaundice and Cholestasis	
- Hepatosplenomegaly	
-Portal hypertension	
-Liver abscess (Pyogenic and amoebic)	
- Cholecystitis (Acute & chronic)	
- Liver diseases in pregnancy	
-Drug induced liver diseases	
-Non alcoholic fatty liver diseases & steatohepatitis	
- Parasitic diseases of liver	
Emergency in hepatology (As in tropical emergencies module)	



Module: Infectious Diseases and Chemotherapy

Cases	Level of participation*
Typhoid fever	
Schistosomiasis	
PUO	
Brucellosis	
Heat Hyperpyrexia and Other heat disorders	
FMF	
HIV infection	
Infectious mononucleosis	
Infections in Liver transplant Recipients	

Module: Hematology and Nutritional Diseases

Cases	Level of participation*
- Anemia	
- Myeloproliferative disorders	
-Lymphoproliferative disorders	
Vitamins deficiencies	
Malnutrition Sarcopenia in LC	



Module: Tropical Emergencies.

Requirements

- Attendance of at least 80 % of clinical rounds.
- Practice with clinical cases for at least 2.5 years in the Department of Tropical Medicine and Gastroenterology and infectious diseases unit wards including at least 3 months in the tropical medicine intermediate care unit .

<u>Emergency in gastroenterology</u>	Level of participation*
CASES	
-Upper GIT bleeding	
-Lower GIT bleeding	
-Acute abdominal pain (specially , medical causes of acute abdomen)	
-Intestinal obstruction and (pseudo obstruction)	
-Diabetic emergencies (Hyperglycaemia, Hypoglycaemia)	
Sever gastroenteritis (dehydration) Pancreatitis Post procedure complications	

* Level of participation

- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

Emergency in hepatology	Level of participation*
-Hepatic encephalopathy	
-Hepatorenal syndrome	
-Fulminant hepatitis	



Emergency in infectious diseases	Level of participation*
sMeningitis Encephalitis Emerging infectious disease complication	
As seen in the department	

Emergency in <i>Hematology</i>	
- Hemorrhagic disorders	
-Others as seen in the department	

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



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

Clinical Rotation

Duration from -to	Location	Signature of supervisor



Clinical Rotation

Duration/Date from -to	Location	Signature of supervisor



Outpatient clinic

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



Outpatient clinic

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical case log

Date	Diagnosis of case	*Level of participation	Location	Signature of supervisor

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



Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor



Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor



Rotation and attendance in intensive care units

Date From - to	Unit	Duration	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



2- Clinical Seminars (For all modules during the whole period)

Requirements: - Attendance of at least 80% of the clinical seminars

- Presentation of at least 3 cases in the seminar
- Presentation of at least 3 subjects in the seminar
- Log of at least 1 evidence-based guidelines.

2-A: Attendance

Date	Attendance	Topic	Signature



2-A: Attendance

Date	Attendance	Topic	Signature



2-A: Attendance

Date	Attendance	Topic	Signature



2-A: Attendance

Date	Attendance	Topic	Signature



2-B: Case or topic presentation

Date	Case	Topic	Signature



3- Post graduate teaching

3-A: lectures

Date	Title of lecture	Signature of Staff Member



3-A: lectures

Date	Title of lecture	Signature of Staff Member



3-A: lectures

Date	Title of lecture	Signature of Staff Member



3-A: lectures

Date	Title of lecture	Signature of Staff Member



3-B: Tutorial

Date	Title of Tutorial	Signature of Staff member



5- Procedures log book (For all modules)

Requirements *

Practice independent (A):

- Abdominal Ultrasonography
- Liver biopsy.
- Local injection for hepatic tumors.
- Liver abscess drainage.
- (Cyst drainage or lymph node biopsy or aspirate from masses or collection)
- Diagnostic Upper GIT endoscopy
- Diagnostic Lower GIT endoscopy
- Sclerotherapy
- Band ligation

Observe or Practice under supervision (B)

- ERCP
- Radiofrequency for Hepatic tumors.
- Esophageal dilatation
- Argon plasma coagulation
- Polypectomy
- EUS
- ESD
- EMR
- Poem

Level of competency *

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



6- Procedures Log Book

Abdominal Ultrasonography (Diagnostic and interventional)

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



5- Procedures log book
Diagnostic and interventional US

Date	Procedure	Level of competency*	Diagnosis of the case	Signature

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



5- Procedures log book
Diagnostic and interventional GIT endoscopy

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



5- Procedures log book

Diagnostic and interventional GIT endoscopy

Date	Procedure	Level of competency *	Diagnosis of the case	Signature

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



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)	↩ ↪		↩ ↪		strongly agree (7)
			(2)	(3)	(4)	(5)	
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)	↩ ↪		↩ ↪		↩ ↪		strongly agree (7)
			(2)	(3)	(4)	(5)	(6)		
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"> • <u>Present</u> a case. • <u>Write</u> a consultation note. • <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible <u>medical records</u>. • Teamwork skills. 									



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 these 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

Date	Attendance	Activity	Signature



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

Date	Attendance	Activity	Signature



الرسائل العلمية

عنوان الرسالة

عربي : _____

انجليزي : _____

المشرفون : _____

١- _____

٢- _____

٣- _____

٤- _____

تاريخ القيد لدرجة : _____ /

تاريخ التسجيل الموضوع : _____

المتابعة الدورية : _____

التاريخ	ما تم انجازه من برتكول البحث	المتبقي	توقيع المشرفين

Remarks

Signature



Declaration

Essential requirement for completing logbook for MD Degree in Tropical medicine and Gastroenterology according to credit point bylaws

Course Structure Mirror	Responsible course Coordinator Name:	Signature	Date
Course 1 : Medical statistics			
Course 2: Research Methodology			
Course 3 Medicolegal Aspects and Ethics in Medical Practice and Scientific Research			
Course 4: Tropical Medicine and Gastroenterology 1 Unit 1: Basic of Radiology Unit2 Basics of immunology Unit 3: Pathology & Physiology			
Course 5 Tropical Medicine and gastroenterology 2			
-Module Gastroenterology			
-Module Hepatology			
-Module Infection			
-Module Hematology			
-Module Nutrition			
-Module Tropical emergency			
- Elective Course (s) Certificate (s) Dates:			
- MD Degree Thesis Acceptance Date:	/ / 20		
- Fulfillment of required credit points prior to final examination	Achievement was done		
M D Degree Principle Coordinator:		أ.د.	
Date approved by Department Council:			

يعتمد ،
رئيس القسم
أ.د.