



## COURSE SPECIFICATION

### Faculty of Medicine- Mansoura University

#### (A) Administrative information

<b>(1) Programme offering the course:</b>	<b>MD Doctorate degree of Gastroenterology and Hepatology- HGMED610</b>
<b>(2) Department offering the programme:</b>	<b>Internal medicine department- Gastroenterology and Hepatology Unit</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Internal medicine department- Gastroenterology and Hepatology Unit</b>
<b>(4) Part of the programme:</b>	<b>Second part- Elective course - Advanced gastrointestinal and biliary endoscopic skills</b>
<b>(5) Date of approval by the Department`s council</b>	<b>26/7/2016</b>
<b>(6) Date of last approval of programme specification by Faculty council</b>	<b>9/8/2016</b>
<b>(7) Course title:</b>	<b>Advanced gastrointestinal and biliary endoscopic skills</b>
<b>(8) Course code:</b>	<b>HGMED610 EN</b>
<b>(9) Total teaching hours &amp;Credit hours:</b>	<b>30 teaching hours (2 credit hours)</b>

## **(B) Professional information**

### **(1) Course Aims:**

The broad aims of the course are as follows:

Candidates will develop a comprehensive understanding of the indications, contraindications, limitations, complications, techniques, and interpretation of results of advanced diagnostic and therapeutic procedures integral to gastroenterology and hepatology as well as achievement of competency in performing these procedures.

### **(2) Intended Learning Outcomes (ILOs):**

On successful completion of the course, the candidate will be able to:

#### **A) Knowledge and Understanding**

A1. Define the appropriate pre-requisites and precautions for the endoscopic procedure.

A2. Recognize the indications for ERCP and EUS

A3. Identify the risks and complications of ERCP and EUS

A4. Explain the technical performance of ERCP and EUS

#### **B) Intellectual skills**

**B1.** Evaluate the fitness and appropriate selection of patients for proper endoscopic decision making, technical proficiency.

**B2.** Provide the appropriate recommendation of endoscopic procedures based on findings from personal consultations and in consideration of specific indications, contraindications, diagnostic and therapeutic alternatives.

**B3.** Differentiate and interpret the normal and pathological findings during the procedure.

**B4.** Integrate the diagnostic findings /or therapeutic interventions into the patient management plan.

**C-Professional/practical skills**

**C1.**Achieve competence at advanced interventional pancreatobiliary endoscopic procedures, including ERCP and endoscopic ultrasound.

**C2.**Manage endoscopic complications in the proper time.

**C3.**Provide the advices and directions for the personnel in the endoscopy suite involved in patients' care

**C4.**Teach junior staff with the basic endoscopic skills and supervising them.

**(3) Course content:**

Subject	Lectures	Total hours
<b>I. ERCP</b> <b>Endoscopic appearances commonly encountered</b> <b>Abnormal endoscopic appearances</b> <b>Technique of cannulation</b> <b>Pancrease</b> <b>Biliary System</b> <b>Therapeutic procedures</b> <b>Complications</b>		<b>15</b>
	<b>2</b>	
	<b>3</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	
Subject	Lectures	Total hours
<b>I. EUS</b> <b>Principles of ultrasound imaging</b> <b>Overview of technique and normal findings</b> <b>Selected gastrointestinal indications</b> <b>Selected indications for pancreatico-biliary disorders</b> <b>EUS-guided fine needle aspiration biopsy</b> <b>Miscellaneous uses</b>		<b>15</b>
	<b>2</b>	
	<b>3</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	
	<b>2</b>	

**(4) Teaching methods:**

- 4.1: Lectures with power point presentations and discussions.**
- 4.2: Problem solving case scenarios .**
- 4.3 Journal clubs for critical appraisal of journal articles.**
- 4.4 Workshops and training courses for procedural skills.**

**(5) Assessment methods:**

**Written exam 25 marks(=20 essay questions+5 MCQ)**  
**Oral: 25 marks**

**Assessment schedule:**

**Part of Second part exam, 3 years from admission to the program:**

**Assessment 1:**

**Written& Oral exam**

**Assessment 2:**

**Log book for assessment of the attendance and activities throughout  
the whole program.**

**(6) References of the course:**

- Course notes**  
**Paper and/or electronic**
- Text Books**  
**Advanced gastrointestinal and biliary endoscopic skills**
- Website**  
**[www.asge.org/](http://www.asge.org/)**

**(7) Facilities and resources mandatory for course completion:**

**Candidates and their learning are supported in a number of ways:**

- **Induction course introducing study skills**
- **Adequately furnished preparation, endoscopy and recovery areas.**
- **Modern inpatient ambulatory care and well equipped laboratory.**
- **properly trained gastrointestinal staff.**
- **Well-maintained and functioning equipment.**
- **Intranet with a wide range of learning support material .**

**Course coordinator:**

Prof Salah El-Gamal (General Supervisor)

Prof Hasan El-Asklany (Academic Guide)

**Head of the department:**

Prof Salah Gamal

**Date:**