

# **Program and Courses Specifications of Master Heptobilliary Surgery**

**Menoufiya University  
National Liver Institute**

- 1. Program title:** Master Degree of Heptobilliary Surgery
- 2. Award:** MSc
- 3. Type of program:** Multiple.
- 4. Department (s) responsible:** Anatomy, Histology, physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Community & public health and Heptobilliary Surgery Department..
- 5. Coordinator:** Prof Dr . Khaled Abo El-Ela
- 7. Date of program accreditation:** 2011

## **Administrative Information**

**Program Title:** General Surgery

**Code:** SurH

**Department giving the course:** Hepatobiliary Surgery Department.

**Program on which the course is given:** Master For Hepatobiliary Surgery

**Department offering the program:** Hepatobiliary Surgery department

**Semester:** 1st part

**Date of specification/revision:.**

**Date of approval by Departmental and NLICouncil:2011**

## **Professional Information**

### **(1) Program Aims:**

1. To provide the student with the knowledge, and skills that enable him/her to identify, analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and humane patient care.
2. To provide the student with an appropriate background covering the common and/or important surgical emergencies.

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

### **a- Knowledge and Understanding**

*By the end of the general surgery course, the student will be able to:*

- a1. Define different general surgical diseases as Vascular, Oncology, Pediatric, GIT and Plastic disorders.
- a2. Explain different causes of general surgical diseases as congenital, traumatic, inflammatory and malignancies.
- a3. List different diagnostic methods of general surgical diseases as laboratory, radiological, endoscopies and diagnostic aspirations.
- a4. Describe different treatment modalities of general surgical diseases as procedures and operations either conventional or minimally invasive.
- a5. Define the ethical and legal principles of medical practice.
- a6. Appraise the principles of quality assurance in medical practice.

### **b. Intellectual skills:**

- b1. Analyze different general surgical symptoms and signs as pain, fever, swelling and constipation.
- b2. Solve common surgical problems using available data.
- b3. Interpret different general surgical investigations as chest x-ray, CT abdomen & pelvis, barium studies and angiography.
- b4. Evaluate different treatment options as procedures and surgical either conventional or minimally invasive.
- b5. Suggest the most appropriate management option according to different situations.
- b6. - Evaluate risks in his medical practice

### **c. Professional skills:**

- c1. Diagnose the common general surgical diseases and operable malignancies.
- c2. Design management plans for the common general surgical cases as congenital defects, traumatic injuries, and malignancies.
- c3. Perform different procedures in general surgical diseases as ryle insertion, urinary catheterization and abscess drainage.
- c4. Perform different surgical operations in different general surgical disorders.
- c5. Write and evaluate relevant professional medical report and referral letters.
- c6. Evaluate medical methods and tools used in his specialty

## **D- General & transferable skills:**

By the end of the program, the student should be able to:

### **d. General and transferable skills:**

- d1. Perform self evaluation and specify his medical educational needs.
- d2. Use different learning resources to get knowledge and information to improve his practice..
- d3. .Communicate effectively and sensitively with patients and colleagues.
- d4. Practice team's leadership in various professional contexts.
- d5. Develop rules and indicators for assessing the performance of others
- d6. Work coherently and successfully as a part of a team

### **(3) Academic Standards: 3- Academic Standards:**

3a- The Academic Reference Standards(ARS) Menoufia Master of Medical

Surgery Academic Reference standards (Annex 1 ):for this program were compiled according to the general Academic Reference Standards provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs(published on February 2009). This program ARS were approved by the NLI council on /2011 decree NO. 45 2011.

3b. Comparison between ARS and ILOS of the program (Annex 2 ).

## **4- Curriculum Structure and Contents**

4.a- Program duration (credit hours) : 48 hours

4.b- Program structure:

4.b- Program structure:

No. of hours: 48 hours

(4) Curriculum Structure and Contents

**4.a- Program duration (credit hours): 36 hours,**

**4.b- Program structure:**

**No. of hours: 36 hours**

<b>Topic</b>	<b>Course</b>	<b>Lectures</b>	<b>Practical</b>	<b>Total</b>
<b>First part</b>	<b>Anatomy&amp;Embryology.</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Histology.</b>	<b>2`</b>	<b>2</b>	<b>4</b>

	<b>Physiology.</b>	<b>2</b>	<b>-</b>	<b>2</b>
	<b>Biochemistry.</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Pathology.</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Paracytology&amp;Microbiology.</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Pharmacology.</b>	<b>2</b>	<b>2</b>	<b>4</b>
	<b>Medicalstatistics&amp;ethics.</b>	<b>2</b>	<b>-</b>	<b>2</b>
<b>Second part</b>	<b>1-Hepatobilliary Surgery</b>	<b>2</b>	<b>2</b>	
	<b>2-Surgical Pathology</b>			
	<b>3-Practical course in Hepatobilliary Surgery</b>	<b>2</b>	<b>2</b>	
	<b>4- Diagnostic Imaging ( Radiology-Endoscopy)</b>			
<b>Log book</b>				<b>3</b>
<b>Thesis</b>				<b>6</b>
<b>Total</b>				<b>36</b>

## (5) Courses contributing to the program

### 5.1. 1st part

#### **a – Compulsory**

#### **1. Course Titles: Anatomy & Embryology.**

**Code:** SUR H711

**No. of hours:** 4 hours.

**Program ILOs covered:** Refer to Matrix

#### **2- Course Titles: Histology.**

**Code:** SUR H 712

**No. of hours:** 4 hours.

**Program ILOs covered:** Refer to Matrix

#### **3-Course Titles: physiology**

**Code:** SUR H713

**No. of hours:** 2 hours.

**Program ILOs covered:** Refer to Matrix

#### **4-Course Titles: biochemistry**

**Code:** SUR H714

**No. of hours:** 4 hours.

**Program ILOs covered:** Refer to Matrix

#### **5-Course Titles: Pathology**

**Code:** SUR H715

**No. of hours:** 4 hours.  
**Program ILOs covered:** Refer to Matrix

**6-Course Titles: microbiology**  
**Code:** SURH 716  
**No. of hours:**4 hours.  
**Program ILOs covered:** Refer to Matrix

**7-Course Titles: pharmacology**  
**Code:** SUR H717  
**No. of hours:** 4 hours  
**Program ILOs covered:** Refer to Matrix

**8- Paracytology & Microbiology**  
**Code:**SUR H 718  
**9-Course Titles: Medical statistics& ethics.**  
**Code:** UNI H 700  
**No. of hours:** 2 hours.  
**Program ILOs covered:** Refer to Matrix  
**C-optional: No**

## **5.2. 2st part**

### **a – Compulsory**

**1- Course Titles: general surgery**  
**Code:** SUR H718  
**No. of hours:** 2 hours.  
**Program ILOs covered:** Refer to Matrix  
**2- Course Titles: surgical pathology**  
**Code:** SURH 719  
**No. of hours:** 2 hours.  
**Program ILOs covered:** Refer to Matrix  
**3- Practical Course ( Diagnostic Imaging):**  
**Code :** SURH 720

**B-Elective: No**

**C-optional: No**

## **6- Program – Course ILOs Matrix (Annex 3)**

### **7. Program admission requirements**

- 6) The student should have MBBch from one of the Egyptian universities.**
- 7) The acceptance of the work the student working for.**
- 8) He should have passed one year as a house-officer.**
- 9) He should have passed one year as a trainee in the specialty in one of the hospitals after the one year of house-officer for free doctors.**
- 10) He can not continue for more than two years without doing the exam.**

### **8. Regulations for progression and Program completion**

**First part (24 hours)**

- 5) The student should attend the curriculum and pass 6 months from the date of registry.
- 6) The exam held at April and October every year.
- 7) The student asks for exam entry after completing the log book and completing the credit hours.
- 8) If the student failed in one of the courses, he would repeat its exam only.
- Second part (9 hours)
- ii. The student should attend the curriculum and pass 18 months from the date of registry.
- iii. The exam held at April and October every year.
- iv. The student asks for exam entry after attending at least 75% of the required attendance as regard the credit hours.
- v. The student should pass the first part successfully before entering the second part exam.
- Thesis 6 hours)

thesis are conducted in the field of general surgery and the student can choose its subject after passing at least the first semester and he can discuss it after 2 years of registering the protocol of the thesis provided that he passed the second part and it has no marks. After discussion the graduate will receive the degree.

- vi. The student asks for exam entry after attending at least 75% of the required attendance as regard the credit hours.
- vii. The student should pass the first part successfully before entering the second part exam.

**-Log book ( 3 hours):**

this book will contain all the activities that are done through the program and the student will not be allowed to enter the exam of the second part unless completing 75% of its activities.

**9 -Evaluation of program intended learning outcomes**

9.1-Senior students:

Tool: Questionnaires-Review of assessment method Sample: Students in the last year

9.2-Alumni

Tool: Questionnaires

Sample: Student finished Master within 5 years

9.3-Stakeholders (Employers)

Tool: interviews

Sample: directors of nearby laboratories and hospitals.

9.4-External Evaluator(s) External Examiner

Tool: Reports

Sample: External examiners in each course

*The Program specification should have attached to it all course specifications listed in the matrix.*

**We verify that all of the information required to deliver this program is contained in the above specification and will be implemented. All course specifications for this program are in place.**

**Program coordinator:**

**Prof Dr : Khaled Abo El-ela**

