

# Master Degree of Orthopedic surgery Log Book

” كراسية الأنشطة ”  
اللازمة لحصول المتدرب على درجة الماجستير في  
جراحة العظام  
طبقاً للائحة النقاط المعتمدة  
2022-2023

## بيانات شخصية عن المتدرب

Name.....

Date of birth.....

Address.....

Place of work.....

Telephones.....

E mail.....

Name of hospital	Period of work	Hospital director signature

## Academic Information

MBBCh...../...../..... University Grade .....

Grade of General surgery course on graduation .....

Others...../...../..... University

...../...../..... University

تاريخ التسجيل لدرجة الماجستير

## **Program aims**

- 1- Enable candidates to keep with national standards of orthopedic patients' care.
- 2- Provide residents with fundamental knowledge of Orthopedics and Traumatology.
- 3- Enable candidates to start professional careers as specialists in Egypt and recognized as specialists abroad.
- 4- Enable candidates to understand and get the best of published scientific research and do their own.

## **Program Structure**

### **Program Time Table**

#### **Duration of program 3 years maximally 5 years divided into**

- **Part 1: (One year)**

Program-related basic science courses and ILOs + elective courses

Students are allowed to sit 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 could be set after 12 months from registering the MSc subject;

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

- **Part 2 (2 years)**

Program –related speciality courses and ILOs

Students are not allowed to sit 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 the academic and clinical departments during year 1

### 1. Course 1

Unit (Module) 1 (Anatomy)

Unit (Module) 2 (Histology)

### 2. Course 2

Unit (Module) 1 (Physiology)

Unit (Module) 2 (Microbiology)

### 3. Course 3 (Pharmacology )

### 4. Course 4 (Pathology)

### 5. Course 5 ( General surgery)

### 6. Course 6 ( Anaesthesia )

# Anatomy

## Requirements

- Credit points: 1 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy	0.5	Anatomy	<p style="text-align: center;"><b>5 hours</b></p> <ul style="list-style-type: none"> <li>- Upper limb musculoskeletal anatomy</li> <li>- Brachial plexus</li> <li>- Vascular anatomy of the upper limb</li> <li>- Development of the musculoskeletal system</li> </ul>	50%
	0.5		<p style="text-align: center;"><b>5 hours</b></p> <ul style="list-style-type: none"> <li>- Lower limb musculoskeletal anatomy</li> <li>- Lower limb neuro-vascular anatomy</li> </ul> <p>Anatomy of the spine (cervical, dorsal, lumbar and sacral)</p>	50%
Student signature			Principle coordinator signature	Head of the department signature

## Anatomy Lectures

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

# Histology

## Requirements

● **Credit points: 1 credit point.**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology	0.5	Histology	<b>5 hours</b> ✚ <b>Histological Principles of :</b> - Cell structure - Epithelium - Connective tissue proper - Blood cells - Blood vascular system	50%
	0.5		<b>5 hours</b> ✚ <b>Histological Principles of</b> - Lymphatic organs - Muscular tissue - Skeletal tissue - Nervous tissue	50%
Student signature			Principle coordinator signature	Head of the department signature



## Histology Lectures

Date	Attendance	Topic	Signature

## Course 2 Unit 1

# Physiology

### Requirements

◆ **Credit points: 1 credit point.**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.5	Physiology	5 hours ◆ Physiology of : - Calcium metabolism - Shock	50%
	0.5		5 hours • Neurophysiology.	50%
Student signature			Principle coordinator signature	Head of the department signature

## Physiology Lecture

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

# Microbiology

## Requirements

● Credit points: 1 credit point.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Microbiology	0.5	Microbiology	<b>5 hours</b> - Anti-microbial resistance - Study of specific microorganisms - Septic & aseptic arthritis	50%
	0.25		<b>2.5 hours</b> - Bone marrow transplantation - Graft rejection	25%
	0.25		<b>2.5 hours</b> - Disinfection and sterilization - Immunology	25%
Student Signature			Principle Coordinator Signature	Head of the department signature

### Microbiology Lecture

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

**Course 3**

# Pharmacology

## Requirements

● **Credit points: 2 credit point.**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pharmacology	0.5	Pharmacology	5 hours - Non-Steroidal Anti-Inflammatory Drugs - Opioid analgesics	25%
	0.5		5 hours - Corticosteroids	25%
	0.5		5 hours - Drugs used in the treatment of rheumatoid arthritis - Drugs used in the treatment of osteoporosis	25%
	0.5		5 hours - Antibiotics	25%
Student signature			Principle coordinator signature	Head of the department signature

**Pharmacology Lecture**

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

**Course 4**

# Pathology

## Requirements

◆ **Credit points: 2 credit point.**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	0.5	Pathology	5 hours - General Pathology	25%
	0.5		5 hours - The musculo-skeletal System	25%
	0.5		5 hours - The nervous system	25%
	0.5		- Pathology of Tumor	25%
Student signature			Principle coordinator signature	Head of the department signature



## Pathology Lectures

Date	Attendance	Topic	Signature

# General surgery

## + Requirements

**Credit points:** 4 credit point for didactic (lectures, seminars, tutorial) and 6 point for training.

Minimal rate of attendance 80% of didactic and training

- Practice with clinical cases in each of the following:

- General surgery Unit
- Trauma Unit
- Operative theater

## **Surgery of the following:**

Wound healing & management

Major trauma and the multiply injured patient

Haemorrhage & blood transfusion

Haemostasis

Shock

Surgical infections

Surgical nutrition

Tumours

Arterial disorders

Venous disorders

Lymphatic system

The neck

Endocrine surgery

Abdominal wall & hernias

<b>Name of the course</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
General surgery	<b>Total 4 credit point</b>	General surgery	<b>40 hours attendance or 20 hours active participation</b>	<b>100%</b>
	1		<b>10 hours</b> -Wound healing & management -Major trauma and the multiply injured patient -Haemorrhage & blood transfusion	25%
	1		<b>10 hours</b> -Haemostasis -Shock -Surgical infections -Surgical nutrition	25%
	1		<b>10 hours</b> -Tumors -Arterial disorders -Venous disorders -Lymphatic system	25%
	1		<b>10 hours</b> -The neck -Endocrine surgery -Abdominal wall & hernias	25%
Student Signature			Principle coordinator signature	Head of the department signature

## General Surgery Course Lecture

Date	Attendance	Topic	Signature

<b>Clinical training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
<b>Surgery department</b>	<b>Total 6</b>	<b>Surgery department</b>	<b>6 weeks</b>	<b>100%</b>
General surgery	6  2wks in casualty  4wks in the ward, outpatient and theatre	<b>General Surgery department</b>	6 weeks in General Surgery <b>and Trauma unit of surgery</b> - Log of cases of the following: <ul style="list-style-type: none"> <li>• Shock</li> <li>• Hemorrhage</li> <li>• Surgical infection</li> <li>• Surgical nutrition</li> <li>• Neck swelling</li> <li>• Abdominal exploration</li> </ul> -Multiple Injured patients -Vascular injury -Chronic Vascular diseases Abdominal wall & hernias	100%
Student signature			Principle coordinator signature	Head of the department signature

### A-Clinical case log

<b>H.N/ Date</b>	<b>Diagnosis of case</b>	<b>Level of participation *</b>	<b>Location</b>	<b>Signature of supervisor</b>

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

### A-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

### A-Clinical case log

H.N/ 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



**B- Procedure log (Required: At least B or C)**

**Test for the competency in the procedure\* or operation**

Date	Procedure/ operation	Level of competency*	Signature of supervisor

**Level of competency \***

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

## B- Procedure log

Date	Procedure/ operation	Level of competency*	Signature of supervisor

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

# Anaesthesia

## + Requirements

**Credit points:** 2 credit point for didactic (lectures, seminars, tutorial) and 4 point for training.

Minimal rate of attendance 80% of didactic and training

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Anaesthesia</b>	1	<b>Anaesthesia and post operative intensive care</b>	10 hours <ul style="list-style-type: none"> <li>• Fluid, electrolyte &amp; acid-base imbalance</li> <li>• Haemorrhage &amp; blood transfusion</li> <li>• Shock.</li> <li>• Principles of preoperative patient preparation.</li> <li>• Principles of Postoperative patient care and acute pain management.</li> <li>• Hemodynamic Monitoring</li> </ul>	50%
	1		10 hours <ol style="list-style-type: none"> <li>1) Principles of Cardiopulmonary resuscitation</li> <li>2) Principles of Anesthesia for Orthopedic Surgery</li> <li>3) Principles of Anesthesia for Trauma Patients</li> <li>4) Postoperative complications</li> <li>5) ICU care of poly traumatized patient</li> <li>6) ICU management of shocked patient</li> </ol>	50%
Student signature			Principle coordinator signature	Head of the department signature



## Anaesthesia Course training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Anaesthesia</b>	<b>Total 4</b>	<b>Anaesthesia and post operative intensive care</b>	<b>4 weeks</b>	<b>100%</b>
	4		<b>4 weeks in Trauma intensive care unit</b> <b>-Log of cases</b> -Shock -Hemorrhage -Sepsis syndrome -Multiple Injured patients -Postoperative patient care and acute pain management. -Vascular injury - <b>Log of procedures listed below</b>	100%
Student signature			Principle coordinator signature	Head of the department signature







## B- Procedure log

- a. Airway management
- b. Arterial blood gases
- c. Local anesthetic techniques((local IV, axillary, brachial plexus block)
- d. Central venous catheter insertion
- e. Hemodynamic Monitoring
- f. Endotracheal intubation

### 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

# Speciality course

Courses and modules Coordinators:

1. Trauma: Prof Osama Farouk
2. General Orthopedics: Prof Mohamed Gamal
3. Spine: Prof Essam Elsherif
4. Arthroscopy: Prof Maher Ellassal
5. Arthroplasty: Prof Ahmed Abdel Aal
6. Pediatrics / Deformity: Prof Kamal El Gaafary
7. Hand / Microsurgery/ Oncology: Prof Tarek ElGammal

Categories:

- Post Grad Lectures/ Seminars
- Journal Club
- MCQ Exam
- CME Courses
- Operative Cases

## **Requirements:**

- **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial) during year 2, 3 and 110 point for training (14 during year 1 and 96 during year 2 and 3).

- Minimal rate of attendance 80% of training and didactic.

## Distribution of credit points among modules

Modules/ list	Units	Titles	% from total marks	<b>Level (Year)</b>	<b>Core Credit points</b>		
					Didactic	Training	total
1) Module 1 Trauma.			35 %	<i>1,2, 3</i>	8.4	38.5	46.9
2) Module General Orthopedics	2	-	20%	<i>1,2, 3</i>	4.8	22	26.8
3) Module 3 - Spine			12.5%	<i>2 or 3</i>	3	13.75	16.75
4) Module 4 Sports Medicine arthroscopy		Sports –	7.5%	<i>2 or 3</i>	1.8	8.25	10.05
5) Module Arthroplasty		5	7.5%	<i>2 or 3</i>	1.8	8.25	10.05
6) Module Paediatrics & Deformities	6	– &	7.5%	<i>2 or 3</i>	1.8	8.25	10.05
7) Module 7 – Hand and Microsurgery and Oncology		Hand and Microsurgery and Oncology	10%	<i>2 or 3</i>	2.4	11	13.4

**(Year 1) 14 credit point for training in Orthopedic surgery Department)**

Record of at least 20 % of cases during year 1  
(Unit 1, 2 General orthopedic and Trauma)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in <b>Orthopedic surgery Department</b>	3	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases in Orthopedic surgery Department for at least 3 weeks and interpretation of their different radiologic patterns and related laboratory investigation.</li> <li>➤ Attendance of clinical rounds with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	21.4%
	3		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am) at least once /week for 6 weeks</li> </ul>	21.4%
	1		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (5 hours /day) for 8 weeks</li> </ul>	7.14%
	2		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for 8 weeks</li> </ul>	14.28%
	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>	7.14%
	4		<ul style="list-style-type: none"> <li>➤ Attendance of at least 1 months in Emergency Trauma unit</li> </ul>	28.57%
Student signature			Principle coordinator Signature	Head of the department signature

Speciality course  
All units  
Formative MCQ 1.5 CP  
Mini clinical exam (from 5 CP)  
Either year 2 or 3 from units 3-7(didactic)

# Unit 1 Trauma

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

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

## Requirements

- **Credit points:** 8.4credit point for didactic (lectures, seminars, tutorial- Year 2, 3) and 38.5 point for training (7 credit point of them during year 1, 31.5 during year 2, 3).
- Minimal rate of attendance 80% of training and didactic

## Year 2

(4.2 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 1 Trauma</b>	4.2	<b>Orthopedic surgery Department</b>	Year 2	<b>50% of the didactics of Unit 1 Trauma</b>
	<b>2</b>		<b>Topics and attendance</b> 20 hours passive attendance or 10 hours active participation	<b>47.6 %</b>
	0.5		5 hours Principles of fracture Classification Management of Open Fractures	11.9%
	0.5		5 hours Full Knowledge of ATLS Protocols	11.9%
			Priorities in Polytrauma management and Resuscitation of Polytraumatized Patient	
	0.5		5 hours Principles of plate fixation Principles of External Fixation	11.9%
			Absolute Stability	
	0.5		5 hours Articular Fractures Management Infection Control	11.9%
	<b>2</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>47.6%</b>
	<b>0.2</b>		<b>Formative assessment(MCQ)</b>	<b>4.8%</b>
Student signature			Principle coordinator Signature	Head of the department signature

## Year 2 (16.5 credit point for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Trauma unit	16.5	<b>Orthopedic surgery Department</b>	Year 2	50% of the training in Unit 1 In the (Second part)
Clinical training in Trauma unit	8		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 2 month in trauma unit including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Procedures log as mentioned below</li> </ul>	48.5%
	5		➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 10 week	30.3 %
	1		➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks	6.1 %
	2		➤ Practice in the operative theatre at least once /week for 12 weeks	12.1%
	0.5		➤ Formative assessment (Mini Clinical Exam)	3%
	Student signature			Principle coordinator Signature



## Year 3

(4.2 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 1 Trauma</b>	4.2	<b>Orthopedic surgery Department</b>	Year 3	<b>50% of the didactics of Unit 1 Trauma</b>
	<b>2</b>		<b>Topics and attendance</b> 20 hours passive attendance or 10 hours active participation	<b>47.6 %</b>
	0.5		5 hours Diaphyseal fracture management Fixation principles in osteoporotic bone	11.9%
			Principles and indications for amputations	
	0.5		5 hours Complications of fractures	11.9%
			Pathological Fractures	
	0.5		5 hours Periprosthetic fractures	11.9%
			Epiphyseal injuries	
	0.5		5 hours Principles of IMN fixation	11.9%
	<b>2</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>47.6%</b>
<b>0.2</b>		<b>Formative assessment (MCQ)</b>	<b>4.8%</b>	
Student signature			Principle coordinator Signature	Head of the department signature

## Year 3 (15 credit point for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Trauma unit	15	<b>Orthopedic surgery Department</b>	Year 3	50% of the training in Unit 1 In (Second part)
Clinical training in Trauma unit	8		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 2 month in trauma unit including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Procedures log as mentioned below</li> </ul>	53.3 %
	4		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 8 week</li> </ul>	26.6 %
	1		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks</li> </ul>	6.7 %
	1.5		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for at least 9 weeks</li> </ul>	10 %
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini clinical exam)</li> </ul>	3.4 %
	Student signature			Principle coordinator Signature

## Minimum number of cases required

Trauma	O	A	S	U
<b>Basic Surgeries</b>		20	20	
Orif Long bones Tibia Femur, R&U, Humerus				
K wire Fixation Wrist, Children				
DHS				
<b>Intermediate Surgeries</b>		15	10	
Interlocking Nail Tibia, Femur, Humerus				
ORIF ankle				
Tibial Plateau Fr				
Hemiarthroplasty				
<b>Advanced Surgeries:</b>		5		
Pelvic and Acetabular Surgeries				

# Unit 2 General orthopedic

## Rotation / attendance proof الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### Requirements

- **Credit points:** 4.8 credit point for didactic (lectures, seminars, tutorial- Year 2) and 22 point for training (7 credit point of them during year 1, 15 during year 2, 3).
- Minimal rate of attendance 80% of training and didactic

## Year 2

(4.8 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 2 General Orthopedic</b>	4.8	<b>Orthopedic surgery Department</b>	Year 2	<b>100% of the didactics of Unit 2 General Orthopedic</b>
	<b>2.8</b>		<b>Topics and attendance</b> 28 hours passive attendance or 14 hours active participation	<b>58.3 %</b>
	0.5		5 hours Rheumatological Disease: Overview and role of Orthopedists	10.4%
	0.5		5 hours Bone and soft tissue infections: Common Ortho Organisms	10.4%
	0.5		5 hours Bone, tendon, Cartilage, Muscle Structure	10.4%
	0.5		5 hours Bone healing and musculoskeletal tissue repair	10.4%
	0.8		8 hours Non union: Causes and management	16.6%
	<b>1.8</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>37.5%</b>
	<b>0.2</b>		<b>Formative assessment (MCQ)</b>	<b>4.2%</b>
	Student signature			Principle coordinator Signature

## Year 2 (7.5 credit point for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in <b>General Orthopedic</b>	7.5	<b>Orthopedic surgery Department</b>	Year 2	50% of the training in Unit 2 In the (Second part)
Clinical training in <b>General Orthopedic</b>	3		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Procedures log as mentioned below</li> </ul>	40 %
	2		➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week	26.7 %
	1		➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks	13.3%
	1		➤ Practice in the operative theatre at least once /week for 6 weeks	13.3%
	0.5		➤ Formative assessment (Mini Clinical Exam )	6.7 %
	Student signature			Principle coordinator Signature

## Year 3 (7.5 credit point for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in <b>General Orthopedic</b>	7.5	<b>Orthopedic surgery Department</b>	Year 3	50% of the training in Unit 2 In the (Second part)
Clinical training in <b>General Orthopedic</b>	3		<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Procedures log as mentioned below</li> </ul>	40 %
	2		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week</li> </ul>	26.7 %
	1		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks</li> </ul>	13.3%
	1		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for 6 weeks</li> </ul>	13.3%
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	6.7 %
	Student signature			Principle coordinator Signature

## Minimum number of cases required

<b>General Orthopedics</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
Non Union / Malunions		5	5	
Misc		15		



# Unit 3 Spine

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

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### Requirements

- **Credit points:** 3 credit point for didactic (lectures, seminars, tutorial- Year 2) and 13.75 point for training during year 2, 3).
- Minimal rate of attendance 80% of training and didactic

## Year 2

(3 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 3 spine</b>	3	<b>Orthopedic surgery Department</b>	Year 2	<b>100% of the didactics of Unit 3 spine</b>
	<b>2.3 CP</b>		<b>Topics and attendance</b> 23 hours passive attendance or 11.5 hours active participation	<b>76.7 %</b>
	0.5		5 hours - Basic facts about the spine:Anatomy,Development,Biomechanics,Approaches - Trauma of the spine	16.7%
	0.5		5 hours - Tumors of the spine - Infections of the spine	16.7%
	0.5		5 hours - Degenerative spine disease.	16.7%
	0.5		5 hours Deformities of the spine	16.6%
	0.3		3.5 hours Metabolic, Inflammatory and Genetic disorders of the spine.	10%
	<b>0.5 CP</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>16.7%</b>
	<b>0.2 CP</b>		<b>Formative assessment (MCQ)</b>	<b>6.6%</b>
	Student signature			

## Year 2 (7.25 credit point for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in <b>Spine</b>	7.25	<b>Orthopedic surgery Department</b>	Year 2	50% of the training in Unit 3 Spine In the (Second part)
Clinical training in <b>Orthopedic surgery Department</b>	3	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Procedures log as mentioned below</li> </ul>	41.4 %
	2		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week</li> </ul>	27.6%
	0.75		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks</li> </ul>	10.4 %
	1		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for 6 weeks</li> </ul>	13.8%
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	6.8 %
	Student signature			Principle coordinator Signature

## Year 3 (6.5 credit point for training in Unit 3)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in <b>Spine</b>	6.5	<b>Orthopedic surgery Department</b>	Year 3	50% of the training in Unit 3 Spine In the (Second part)
Clinical training in <b>Orthopedic surgery Department</b>	3	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Clinical Round with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	46.2 %
	2		➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week	30.7 %
	0.5		➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 5 weeks	7.7%
	0.5		➤ Practice in the operative theatre at least once /week for 4 weeks	7.7%
	0.5		➤ Formative assessment (Mini Clinical Exam )	7.7%
Student signature			Principle coordinator Signature	Head of the department signature

## Minimum number of cases required

<b>Spine</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
Deg. cervical spine CDP		5		
Tumors of the spine		3		
Deg Lumbar Spine		10	5	
Spinal infections & Pott's disease		5		
Scoliosis & Kyphosis		3		
Trauma Spine		10	5	

# Unit 4 Sport Medicine and Arthroscopy

## *Rotation / attendance proof*

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial- Year 3) and 8.25 point for training during year 3).
- Minimal rate of attendance 80% of training and didactic

### Year 3 (1.8 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 4 Sport medicine and Arthroscopy</b>	1.8	<b>Orthopedic surgery Department</b>	Year 3	<b>100% of the didactics of Unit 4 Sport medicine and Arthroscopy</b>
	<b>1.1 CP</b>		<b>Topics and attendance</b> 11 hours passive attendance or 5.5 hours active participation	<b>61.1 %</b>
	0.25		2.5 hours ▪ Arthroscopy: Overview, Basic setup, Indications and Limitations.	13.9%
	0.35		3.5 hours ▪ Knee Arthroscopy ▪ Osteoarthritis of the Knee ▪ Meniscal injuries ▪ Knee Ligament injuries	19.4%
	0.25		2.5 hours ▪ Shoulder Arthroscopy ▪ Rotator cuff tears ▪ Shoulder instability ▪ Frozen shoulder	13.9%
	0.25		2.5 hours • Hip Arthroscopy ▪ Femro-acetabular impingement syndrome	13.9%
	<b>0.5 CP</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>27.8%</b>
	<b>0.2 CP</b>		<b>Formative assessment (MCQ)</b>	<b>11.1%</b>
	Student signature			

## Year 3 (8.25 credit point for training in Unit 4)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in sport medicine and arthroscopy	8.25	<b>Orthopedic surgery Department</b>	Year 3	100% of the training in Unit 4 sport medicine and arthroscopy
Clinical training in sport medicine and arthroscopy	4	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Clinical Round with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	48.5 %
	2		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week</li> </ul>	24.2%
	0.75		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 8 weeks</li> </ul>	9.1 %
	1		<ul style="list-style-type: none"> <li>➤ Practice in the arthroscopy unit for four weeks.</li> </ul>	12.1 %
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	6.1%
	Student signature			Principle coordinator Signature



## Minimum number of cases required

<b>Sports Medicine &amp; Arthroscopy</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
Meniscal injuries		10	2	
Knee Ligamentous injuries		10		
Rotator cuff tears/ Frozen Shoulder		4		
Shoulder Instability		4		

# Unit 5 Arthroplasty

## *Rotation / attendance proof*

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial- Year 3) and 8.25 point for training during year 3).
- Minimal rate of attendance 80% of training and didactic

### Year 3 (1.8 credit point for didactic)

**Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 5 Arthroplasty</b>	1.8	<b>Orthopedic surgery Department</b>	Year 3	<b>100% of the didactics of Unit 5 Arthroplasty</b>
	<b>1.1 CP</b>		<b>Topics and attendance</b> 11 hours passive attendance or 5.5 hours active participation	<b>61.1 %</b>
	0.25		2.5 hours ▪ Degenerative Knee: Overview, Assessment, Lines of management.	13.9%
	0.25		2.5 hours Total Knee Replacement: • Basics, Biomechanics, Indications, Hazards • Soft Tissue Balancing in TKR	13.9%
	0.25		2.5 hours ▪ Degenerative Hip: Overview, Assessment, Lines of management.	13.9%
	0.35		3.5 hour Total Hip Replacement: • Basics, Biomechanics, Indications, Hazards ▪ Choice of implants and bearing surfaces. ▪ Steps of THR	19.4%
	<b>0.5 CP</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>27.7%</b>
	<b>0.2 CP</b>		<b>Formative assessment (MCQ)</b>	<b>11.1%</b>
Student signature			Principle coordinator Signature	Head of the department signature

## Year 3 (8.25 credit point for training in Unit 5)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Arthroplasty	8.25	<b>Orthopedic surgery Department</b>	Year 3	100% of the training in Unit 5 Arthroplasty
Clinical training in Arthroplasty	4	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Clinical Round with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	48.5 %
	2		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week</li> </ul>	24.2%
	0.75		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 8 weeks</li> </ul>	9.1 %
	1		<ul style="list-style-type: none"> <li>➤ Practice with arthroplasty team at least once /week for 8 weeks</li> </ul>	12.1 %
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	6.1%
Student signature			Principle coordinator Signature	Head of the department signature

## Minimum number of cases required

<b>Arthroplasty</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
TKR		5		
THR		5		
Hemiarthroplasty Hip		5	2	
Hemiarthroplasty Shoulder		1		

# Unit 6 Pediatric & Deformities

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

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### Requirements

- **Credit points:** 1.8 credit point for didactic (lectures, seminars, tutorial- Year 3) and 8.25 point for training during year 3).
- Minimal rate of attendance 80% of training and didactic

**Year 3 (1.8 credit point for didactic)**

**Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 6 Pediatric and deformities</b>	1.8	<b>Orthopedic surgery Department</b>	Year 3	<b>100% of the didactics of Unit 6 Pediatric and deformities</b>
	<b>1.3 CP</b>		<b>Topics and attendance</b> 13 hours attendance or 6.5 hours active participation	<b>72.2 %</b>
	0.5		5 hours <ul style="list-style-type: none"> <li>• Deformity correction: <ul style="list-style-type: none"> <li>✓ Assessment and planning for correction.</li> <li>✓ Osteotomies for deformity correction: Rules, Choice of the type, Hardware</li> </ul> </li> <li>• Ilizarov method in deformity correction.</li> <li>• Limb Length Discrepancy</li> </ul>	27.8%
	0.25		2.5 hours <ul style="list-style-type: none"> <li>• Pediatric Infections: <ul style="list-style-type: none"> <li>✓ Acute osteomyelitis.</li> <li>✓ Septic hip.</li> <li>✓ Septic knee.</li> </ul> </li> <li>• Cerebral palsy: Assessment, Management</li> </ul>	13.9%
	0.25		2.5 hour <ul style="list-style-type: none"> <li>▪ The pediatric hip</li> <li>▪ DDH, Perthe's disease, SCFE, coxa vara</li> <li>▪ Pediatric hip ultrasound.</li> </ul>	13.9%
	0.3		3 hours <ul style="list-style-type: none"> <li>▪ Pediatric foot and ankle(CTEV, Flat feet)</li> <li>▪ Metabolic disorders</li> </ul>	16.6%
	<b>0.3 CP</b>		<b>Seminars, Conference or workshop</b> <ul style="list-style-type: none"> <li>➤ Attendance of at least 60% of the clinical seminars</li> <li>➤ Presentation of at least 1 time in the seminar</li> </ul>	<b>16.7%</b>
	<b>0.2 CP</b>		<b>Formative assessment (MCQ)</b>	<b>11.1%</b>
	Student signature			Principle coordinator Signature

## Year 3 (8.25 credit point for training in Unit 6)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training unit 6 in <b>Pediatric and deformities</b>	8.25	<b>Orthopedic surgery Department</b>	Year 3	100% of the training in Unit 6 <b>Pediatric and deformities</b>
Clinical training in <b>Pediatric and deformities</b>	4	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>Orthopedic surgery Department</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Clinical Round with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	48.5 %
	2		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 4 week</li> </ul>	24.2%
	0.75		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 8 weeks</li> </ul>	9.1 %
	1		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for 8 weeks</li> </ul>	12.1 %
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	6.1%
Student signature			Principle coordinator Signature	Head of the department signature



## Minimum number of cases required

<b>Pediatric &amp; Deformities</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
Adult Knee and Femoral deformities		6		4
DDH		3		
Perthe's		3		
Pediatric Deformity correction		5		
Ilizarov		5		

# Unit 7 Hand and Microsurgery and Oncology

## **Rotation / attendance proof**

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

### **Requirements**

- **Credit points:** 2.4 credit point for didactic (lectures, seminars, tutorial- Year 3) and 11 point for training during year 3).
- Minimal rate of attendance 80% of training and didactic

### Year 3 (2.4 credit point for didactic)

Additional topics in the course matrix are to be addressed by the candidate, in seminars and/or in conferences

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 7 hand and microsurgery and oncology</b>	2.4	<b>Orthopedic surgery Department</b>	Year 3	<b>100% of the didactics of Unit 7 hand and microsurgery and oncology</b>
	<b>1.7 CP</b>		<b>Topics and attendance</b> 17 hours passive attendance or 8.5 hours active participation	<b>70.8 %</b>
	0.7		7 HOURS 1-Tumors -Benign Bone Tumors -Malignant primary Bone Tumors -Secondary bone Tumors	29.2%
	0.5		5 HOURS -Trauma -Brachial plexus injuries -Nerve injuries -Tendon injuries -Traumatic Amputation	20.8%
	0.5		5 HOURS ▪ Vascular repair ▪ Coverage for Soft tissue defects and Flaps ▪ Anatomic details of The hand, the microvascular and neuro anatomy of the upper and lower limbs	20.8%
	<b>0.6 CP</b>		<b>Seminars, Conference or workshop</b> ➤ Attendance of at least 60% of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>25%</b>
	<b>0.1 CP</b>		<b>Formative Assessment</b>	<b>4.2%</b>
Student signature			Principle coordinator Signature	Head of the department signature

## Year 3 (11 credit point for training in Unit 7)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in unit 7 <b>hand and microsurgery and oncology</b>	11	<b>Orthopedic surgery Department</b>	Year 3	100% of the training in Unit 7 <b>hand and microsurgery and oncology</b>
Clinical training in unit 7 <b>hand and microsurgery and oncology</b>	4	<b>Orthopedic surgery Department</b>	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in <b>the department and Microsurgery unit</b> including interpretation of their different radiologic patterns and related laboratory investigation</li> <li>➤ Clinical Round with staff</li> <li>➤ Procedures log as mentioned below</li> </ul>	36.4 %
	4		<ul style="list-style-type: none"> <li>➤ Night shift (From 2 pm to 8 am ) 1 night shift /week for 8 week</li> </ul>	36.4 %
	1		<ul style="list-style-type: none"> <li>➤ Attendance of at least one day/week in the Outpatient clinic (3 hours /day) for 10 weeks</li> </ul>	9.1 %
	1.5		<ul style="list-style-type: none"> <li>➤ Practice in the operative theatre at least once /week for 10 weeks</li> </ul>	13.6%
	0.5		<ul style="list-style-type: none"> <li>➤ Formative assessment (Mini Clinical Exam )</li> </ul>	4.5 %
Student signature			Principle coordinator Signature	Head of the department signature

## Minimum number of cases required

<b>Hand / MicroSurgery / Oncology</b>	<b>O</b>	<b>A</b>	<b>S</b>	<b>U</b>
Vascularised Fibula		3		
Reimplantation		2		
Hand Injuries		5	5	
Tendon Transfers		3		
Tumor Resection / Reconstruction		4		
Flaps		5		









### Night Shift

Date	Signature of supervisor	Date	Signature of supervisor

### Night Shift

Date	Signature of supervisor	Date	Signature of supervisor

**Post Grad Lectures/ Seminars 1**

Date	Signature	A/P	Title

A: Attended P: Presenter  
 60 % attendance required



**• Post Grad Lectures/ Seminars 3**

<b>Date</b>	<b>Signature</b>	<b>A/P</b>	<b>Title</b>

A: Attended P: Presenter  
60 % attendance required

**• Post Grad Lectures/ Seminars 4**

<b>Date</b>	<b>Signature</b>	<b>A/P</b>	<b>Title</b>

A: Attended P: Presenter  
60 % attendance required



**Journal Club 2**

<b>Date</b>	<b>Signature</b>	<b>A/P</b>	<b>Title</b>

60% Attendance Required



### **CME Courses / Conferences:**

<b>Date</b>	<b>Course</b>	<b>Location</b>	<b>Signature</b>



**Trauma 2**

<b>Date</b>	<b>Name</b>	<b>Operation</b>	<b>OASU</b>	<b>Signature</b>

O: Observed    A: Assisted    S: Supervised    U: Unsupervised



### Trauma 4

Date	Name	Operation	OASU	Signature

O: Observed    A: Assisted    S: Supervised    U: Unsupervised



### Spine 2

<b>Date</b>	<b>Name</b>	<b>Operation</b>	<b>OASU</b>	<b>Signature</b>

O: Observed    A: Assisted    S: Supervised    U: Unsupervised





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### General Orthopedics

<b>Date</b>	<b>Name</b>	<b>Operation</b>	<b>OASU</b>	<b>Signature</b>

O: Observed    A: Assisted    S: Supervised    U: Unsupervised







### Arthroscopy & Sports Medicine 1

Date	Name	Operation	OASU	Comment

O: Observed   A: Assisted   S: Supervised   U: Unsupervised















# Elective Course 1

## Requirements

● **Credit points:** 2 credit point.

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

● The student choose one of theses courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and Scientific Research
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management





# FORMATIVE MCQs AND EXAMINATIONS

Exam	Score	Grade*	Date	Signature

**\*Degree**

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




## Skills of the candidate assessed by the committee of staff members

General skills	could not judge (0)	strongly disagree(1)	(2)  (3)		(4)  (5)		(6)	strongly agree (7)
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)	(2)  (3)		(4)  (5)		(6)	strongly agree (7)
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.								

<b>General skills</b>	<b>could not judge (0)</b>	<b>strongly disagree(1)</b>	2)  (3)	 (4) (5)	 (6)	<b>strongly agree (7)</b>
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.						

## 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			
Unit (Module ) 1			
Unit (Module ) 2			
Course 2			
Unit (Module ) 1			
Unit (Module ) 2			
Course 3			
Course 4			
Course 5			
Course 6			
<b>Second Part</b>			
<b>Course 7 orthopedic surgery</b>			
Unit (Module ) 1			
Unit (Module ) 2			
Unit (Module ) 3			
Unit (Module ) 4			
Unit (Module ) 5			
Unit (Module ) 6			
Unit (Module ) 7			
- Elective Course (s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Orthopedic M Sc Degree Principle Coordinator:			
Date approved by orthopedic Department Council:			

يعتمد ،  
رئيس القسم  
أ.د./