

Master Degree of Rheumatology & Rehabilitation



Images courtesy of
John Cush, MD.

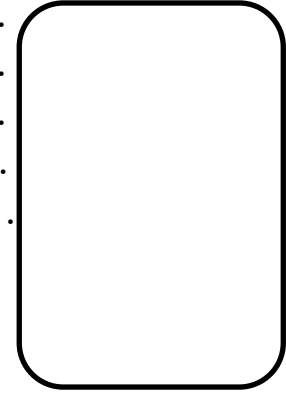
" كراسية الأُنشـطة "
اللازمة لحصول المتدرب على درجة الماجستير في الروماتيزم والتأهيل
2022-2023

Contents

NO	SUBJECT	PAGE
1	Personal data	3
2	Instructions to the use of logbook	4
3	Program aims and curriculum structure	6
4	<p style="text-align: center;">Basic science Courses (1st part)</p> <p>1. Course 1 Applied Anatomy & Applied Physiology</p> <p>2. Course 2 Applied physics and rehabilitation and medical Prosthesis</p> <p>3. Course 3 Internal medicine & Neurology</p> <p>Course 4 Orthopedic Surgery</p>	<p>8-11</p> <p>12-14</p> <p>15-29</p> <p>30-38</p>
5	<p style="text-align: center;">Speciality Courses (2nd part)</p> <p>Course 5 Unit (Module)1 Rheumatology and Autoimmune diseases Unit (Module) 2 Physical therapy and Rehabilitation and Prosthesis.</p>	39-142
6	Other Scientific Activities	143
	Formative assessment	144
7	Elective course	145-147
8	Master Degree Thesis pathway	148
9	Declaration	149

Personal Data

Name.....
Date of birth.....
Address.....
Place of work.....
Telephones.....**Mobile phone(s)**
E mail.....



Name of hospital	Period of work	Hospital director signature

Academic Information

MBBCh...../...../..... University
Grade
Grade of Internal Medicine course on graduation
Others...../...../..... University
...../...../..... University

*** Aim of the activities book**

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

Sections of the book

For each module / course / rotation

You should fill the following sections:-

1- Clinical case log

- 1- You will first find list with all required cases in the concerned module and the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.
- 2- You should record all clinical cases in the module and each case should be signed by you trainer.

2- Clinical case presentation log

Record the cases related to the module that you have presented in a seminar of the activity.

3- Procedures / operations log

1- You will find a list for required procedure, diagnostic – therapeutic operations and

level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation

and date and signature of supervisor.

4- Rotation / attendance proof

You should have evidence of achievement the required training hours within each module.

For the whole program fill the following sections

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation,....."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
-

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quiseses

Program aims

1/1. To enable candidates to teach high level of clinical skills, bedside care skills of Rheumatology, Rehabilitation & Physical medicine, in addition to update medical knowledge as well as clinical experience and competence in the same field.

1/2. Provide candidates with fundamental knowledge of Rheumatologic emergencies as regards; dealing with critical patients, prophylactic management of high risk cases cooperative management of patients in conjunction with other departments.

1/3 To introduce candidates to the basics of scientific medical research.

1/4 Enable candidates to start professional careers as specialists in Egypt but recognized abroad.

1/5 To enable candidates to understand and get the best of published scientific research and do their own.

Curriculum Structure:

Duration of program 36 months

Program Structure

Program Time Table

Duration of program 3 years maximally 5 years divided into

○ Part 1

Program-related basic science courses and ILOs + elective courses

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

○ Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set **before 12 months** from registering the M Sc subject;

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

○ Part 2

Program –related speciality courses and ILOs

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

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

Essential Course

First Part

Academic activities of basic sciences

Practice with the academic and clinical departments during the 1st year

- **Applied Anatomy**
- **Applied Physiology**
- **Applied physics and rehabilitation and medical Prosthesis**
- **Internal medicine & Neurology**
- **Orthopedic Surgery**

Applied Anatomy

● Requirement:

Credit points: 3 credits point for didactic.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy	0.5	Anatomy	5 hours -Upper limb including (anatomy of bone, muscles, nerves and joints)	16.7 %
	0.5		5 hours -Lower limb including (anatomy of bone, muscles, nerves and joints)	16.7 %
	1		10 hours -Cervical and Back including (anatomy of bone, muscles, and joints)	33.3 %
	0.5		5 hours -Facial nerve and other cranial nerves	16.7 %
	0.5		5 hours -Neuroanatomy (Tractology)	16.7 %
Student signature			Principle coordinator signature	Head of the department signature

Applied Physiology

● Requirement:

Credit points: 3 points for didactic

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.25	Physiology	2.5 hours -Physiology of nerve and muscle	8.3 %
	0.5		5 hours -Effect of muscular exercise on respiration -Effect of muscular exercise on cardiovascular system	16.7 %
	0.25		2.5 hours -Thermostatic mechanism (body temperature and it's regulation)	8.3 %
	0.25		2.5 hours -Physiology of obesity	8.3 %
	0.5		5 hours -Receptors -Pain sensation and it's control system	16.7 %
	0.5		5 hours -Upper and lower motor neuron lesions -Spinal cord lesions	16.7 %
	0.25		2.5 hours -Ascending and descending tract	8.3 %
	0.5		5 hours Stretch reflex Skeletal muscle tone and tendon jerks	16.7 %
	Student signature			Principle coordinator signature

Applied physics and rehabilitation and medical Prosthesis

- Requirement:
- Credit points: 2 points for didactic

● Requirement:

● Credit points: 2 points for didactic

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Applied physics, Rehabilitation and Medical Prosthesis	0.5	Physical Medicine, Rheumatology and Rehabilitation	5 hours - Thermal agent: 1-Electromagnetic spectrum 2-Infrared radiation 3-Diathermy	25 %
	0.25		2.5 hours - Mechanical energy: Ultrasound	12.5 %
	0.25		2.5 hours - Phototherapy: 1-Ultraviolet 2-Laser therapy	12.5 %
	1		10 hours - Electrical stimulation: -Types of electrical stimulating current: 1-Faradic current 2-Diodynamic current 3-Interferential current 4-Transcutaneous electrical nerve stimulation (TENS)	50 %
Student signature			Principle coordinator signature	Head of the department signature



Applied physics and rehabilitation and medical Prosthesis

Course Lectures

Date	Attendance	Topic	Signature

Internal medicine & Neurology

- **Requirement:**
- **Credit points: 3 points for didactic and 7 points for training**
 - Minimal rate of attendance 80% of lectures and training

Internal medicine

● Requirement:

Credit points: 2 points for didactic and 4 for training

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal Medicine and Neurology	0.5	Internal Medicine	5 hours Cardiology: <ul style="list-style-type: none"> • Ischemic heart disease. • Rheumatic heart disease. • Rheumatic fever. • Systemic hypertension • Sub acute bacterial endocarditis • Heart Failure • Pericardial effusion 	25 %
	0.5		5 hours Nephrology: <ul style="list-style-type: none"> • Renal failure • Nephritis • Nephrotic syndrome • Acute nephritic syndrome 	25 %
	0.25		2.5 hours Haematology: <ul style="list-style-type: none"> • Lymphomas • Coagulation disorders • Collagen vascular and systemic diseases • Aneamias 	12.5 %

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal Medicine and Neurology	0.25	Internal Medicine	2.5 hours Endocrinology: <ul style="list-style-type: none"> • Diabetes mellitus • Thyroid diseases • Adrenal gland diseases • Obesity 	12.5 %
	0.25		2.5 hours Hepatology & Gastroenterology: <ul style="list-style-type: none"> • Liver cirrhosis and liver cell failure • Autoimmune hepatitis. • Drug induced hepatitis • Peptic ulcer 	12.5 %
	0.25		2.5 hours Chest diseases: <ul style="list-style-type: none"> • Pulmonary embolism • Pleural effusion • Chronic obstructive pulmonary diseases 	12.5 %
Student signature			Principle coordinator signature	Head of the department signature

● Requirement:

Credit points: 4 points for training

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Internal Medicine	1	Internal Medicine	1 week in Cardiology Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Ischemic heart disease. • Rheumatic heart disease. • Rheumatic fever. • Systemic hypertension • Sub acute bacterial endocarditis • Heart Failure • Pericardial effusion 	25 %
	1		1 week in Nephrology Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Renal failure • Nephritis • Nephrotic syndrome • Acute nephritic syndrome 	25 %
	0.5		3 days in Haematology Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Lymphomas • Coagulation disorders • Collagen vascular and systemic diseases • Aneamias 	12.5 %
	0.5		3 days in Endocrinology Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Diabetes mellitus • Thyroid diseases • Adrenal gland diseases • Obesity 	12.5 %

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Internal Medicine	0.5	Internal Medicine	3 days in Hepatology & Gastroenterology Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Liver cirrhosis and liver cell failure • Autoimmune hepatitis. • Drug induced hepatitis • Peptic ulcer 	12.5 %
	0.5		3 days in Chest Unit - Log of 2 cases each: <ul style="list-style-type: none"> • Pulmonary embolism • Pleural effusion • Chronic obstructive pulmonary diseases 	12.5 %
Student signature			Principle coordinator signature	Head of the department signature

B-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.

Neurology

● Requirement:

Credit points: 1 points for didactic and 3 credit points for training

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Internal Medicine and Neurology	1	Neurology	10 hours Neurology: 1. Cerebrovascular stroke. 2. Hemiplegia. 3. Paraplegia. 4. Conus medullaris and cauda equine lesions. 5. Peripheral neuropathies. 6. Muscle disease and neuromuscular disorders. 7. Ataxia 8. Cerebral palsy	100 %
Student signature			Principle coordinator signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Neurology	3	Neurology	3 weeks in Neurology department - Log of 2 cases each: <ol style="list-style-type: none"> 1. Cerebrovascular stroke. 2. Hemiplegia. 3. Paraplegia. 4. Conus medullaris and cauda equine lesions. 5. Peripheral neuropathies. 6. Muscle disease and neuromuscular disorders. 7. Ataxia 8. Cerebral palsy 	100 %
Student signature			Principle coordinator signature	Head of the department signature



كلية الطب

Rheumatology & Rehabilitation
Department
Faculty of Medicine

Neurology
A-Lectures

Date	Attendance	Topic	Signature

B-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.

C- Rotation and attendance in Units

Date	Unit	Duration	Signature of supervisor

Orthopedic Surgery

Orthopedic surgery Course

- **Requirement:**
- **Credit points: 3 points for didactic and 3 points for training**
 - Minimal rate of attendance 80% of lectures and training

● Requirement:

Credit points: 3 points for didactic

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Orthopedic Surgery	0.25	Orthopedic Surgery	2.5 hours -Complications of fractures	8.3 %
	1		10 hours -Peripheral nerve injuries -Carpal and tarsal tunnel syndromes -Drop foot	33.3 %
	1		10 Hours -Low back pain. -Lumbar disc prolapsed -Spinal canal stenosis -Cervical spondylosis and common neck problems. -Brachialgia -Pott's disease of thoraco-lumbar spine and pott's paraplegia	33.3 %
	0.5		5 hours -Osteoarthritis -Frozen shoulder -Neuropathic joints and septic arthritis	16.7 %
	0.25		2.5 Hours -Some congenital anomalies as Talipes equinovarus, congenital dislocation of hip	8.3 %
Student signature			Principle coordinator signature	Head of the department signature

● **Requirement:**

● **Credit points: 3 points for training**

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Orthopedic Surgery	3	Orthopedic Surgery	<p>3 weeks in orthopedic surgery department</p> <p>- Log of 2 cases each:</p> <ul style="list-style-type: none"> • Complications of fractures. • Peripheral nerve injuries • Low back pain. • Lumbar disc prolapsed. • Spinal canal stenosis. • Carpal and tarsal tunnel syndromes. • Drop foot. • Cervical spondylosis and common neck problems. • Brachialgia. • Osteoarthritis. • Frozen shoulder. • Pott's disease of thoracolumbar spine and pott's paraplegia. • Neuropathic joints and septic arthritis. • Some congenital anomalies as Talipes equinovarus, congenital dislocation of hip 	100 %
Student signature			Principle coordinator signature	Head of the department signature

**Orthopedic surgery Course
A- Lectures**

Date	Attendance	Topic	Signature

B-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

B-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

B- Clinical case presentation 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

C- Rotation and attendance in Units

Date	Unit	Duration	Signature of supervisor

Speciality Course

Physical Medicine, Rheumatology and Rehabilitation

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	Training	Total
Unit 1 "Rheumatology & Autoimmune diseases"	50%	1,2 &3	12	55	67
Unit 2 "Physical therapy, Rehabilitations, Prosthesis"	50%	1,2 &3	12	55	67
Total No. of Units:	2		24	110	134

Unit (Module)1

Rheumatology and autoimmune diseases

(Module) 1

(Rheumatology and autoimmune diseases)

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Requirement:

● **Credit points: 12 points for didactic and 55 points for training**

- Minimal rate of attendance 80% of training and lectures
- Two MCQ examinations at the second and third year.

Year 1

(7 credit points for training)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training Rheumatology department	2	Physical Medicine, Rheumatology & Rehabilitation Department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 2 weeks in the Rheumatology department including interpretation of their different radiologic patterns and related laboratory investigations ➤ Log of Rheumatology cases as mentioned below ➤ Procedures log as mentioned below 	28.6 %
	2		➤ Night shift (From 2pm to 8am) 1/week for 4 weeks	28.6 %
	2		➤ Attendance of at least 2 weeks in the Outpatient clinic (5 hours /day)	28.6 %
	1		➤ Attendance of at least 30% of clinical rounds (3 hours /week for 10 week)	14.3 %
Student signature			Principle coordinator Signature	Head of the department Signature

✚ Rheumatology and autoimmune diseases cases log of:

Cases	Number
Rheumatoid arthritis	15
Juvenile idiopathic arthritis (JIA)	10
Sjögren's syndrome	5
Adult onset still's disease	3
Seronegative spondylo-arthropathies (psoriatic arthritis, ankylosing spondylitis, reactive and enteropathic arthritis)	20 (5,5,5,5)
Gouty and calcium pyrophosphate dehydrate hydroxyapatite and other crystals arthropathies	10
Osteoarthritis and other degenerative arthritis	10
Systemic lupus erythematosus	5
Antiphospholipid syndrome	3
Systemic sclerosis	5
Other connective tissue disorders	3
Idiopathic inflammatory myopathies	5
Periodic syndrome	2
Infectious arthritis e.g. rheumatic fever, septic, viral arthritis	5
Fibromyalgia	3
Less common arthropathies e.g. endocrinopathies	5
Metabolic bone disease (osteoporosis, osteomalcia)	3
Vasculities	2

Rheumatology and autoimmune diseases Procedure log of:

<p>Observe:</p>	<p>Log of under supervision:</p>
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 8). • Joint aspiration (no.10). • Synovial fluid analysis (no.8) • Local intra-articular injection (no.10). • Soft tissue injection (no.10). 	<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.5). • Local intra-articular injection (no.5). • Soft tissue injection (no.5).
<p>Independently Perform:</p>	<p>Order and interpret:</p>
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.3). • Local intra-articular injection (no.5). • Soft tissue injection (no.5). 	<ul style="list-style-type: none"> • 10 Hand x-ray (PA). • 10 Feet x- ray (AP, Lat). • 10 Chest x-ray (PA). • 10 Sacroiliac x-ray (AP). • 20 Cervical and back x-ray (AP, Lat) • 20 Other joints x-ray (hip, knee, elbow)

Year 2

(6 credit points for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 (Rheumatology & Autoimmune diseases)	6	Physical Medicine, Rheumatology & Rehabilitation Department	Year 2	50% of the didactics of Unit 1
	4.5		Topics and attendance	75%
	1		5 hours by the candidates Section 1: Rheumatoid Arthritis 1. Etiology and pathogenesis of rheumatoid arthritis. 2. Clinical feature of rheumatoid arthritis. 3. Management of rheumatoid arthritis. 4. Update in rheumatoid arthritis.	
	1		5 hours by the candidates Section 2: Crystal Arthropathy 1. Gouty and hyperuricemia -Epidemiology and risk factors -Pathogenesis of hyperuricemia -Associated condition - Clinical feature -Diagnosis -Treatment of gout 2. Disease associated with articular deposition of calcium pyrophosphate dehydrate (CPPD) and basic calcium phosphate crystal. -Epidemiology and causes -Pathogenesis -Clinical feature -Diagnosis and diagnostic test -Treatment of CPPD	

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 (Rheumatology & Autoimmune diseases)	0.5	Physical Medicine, Rheumatology & Rehabilitation Department	2.5 hours by the candidates Section 3: Osteoarthritis (OA) and degenerative arthritis 1. Pathogenesis of OA 2. Clinical feature of OA 3. Management of OA	
	0.5		5 hours Section 4: metabolic bone disease (osteoporosis & osteomalacia) 1. Osteoporosis 2. Osteomalacia 3. Paget's disease	
	0.5		5 hours Section 5: vasculitides -Classification, epidemiology and management of systemic vasculitis	
	1		10 hour Section 7:- periodic syndrome. -infectious disease: rheumatic fever, septic, viral arthritis. -fibromyalgia. - arthritis accompanying systemic diseases e.g. arthritis accompanying endocrinal disorders - Other connective tissue disorders.	
	0.5		Seminars ➤ Attendance of at least 70% of the clinical seminars ➤ Presentation of at least 3 times in the seminar	8.33%
	0.5		Conference or workshop	8.33%
	0.5		Formative assessment	8.33%
Student signature			Principle coordinator Signature	Head of the department Signature

Year 2

(24 credit points for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percent age of Achieved points
Clinical training in Rheumatology department	12	Rheumatology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 3 months in the Rheumatology department including interpretation of their different radiologic patterns and related laboratory investigation ➤ Log of Rheumatology cases as mentioned below ➤ Procedures log as mentioned below 	50 %
	5.5		➤ Night shift (From 2pm to 8am) 1/week for 11 weeks	22.9 %
	4		➤ Attendance of at least 4 weeks in the Outpatient clinic (5 hours /day)	16.7 %
	1		➤ Attendance of at least <u>30%</u> of clinical rounds (3 hours /week for 10 week)	4.2 %
	1.5		➤ Formative assessment	6.2 %
Student signature			Principle coordinator Signature	Head of the department Signature

✚ Rheumatology and autoimmune diseases cases log of:

Cases	Number
Rheumatoid arthritis	15
Juvenile idiopathic arthritis (JIA)	10
Sjögren's syndrome	5
Adult onset still's disease	3
Seronegative spondylo-arthropathies (psoriatic arthritis, ankylosing spond-ylitis, reactive and enteropathic arthritis)	20 (5,5,5,5)
Gouty and calcium pyrophosphate dehydrate hydroxyapatite and other crystals arthropathies	10
Osteoarthritis and other degenerative arthritis	10
Systemic lupus erythematosus	5
Antiphospholipid syndrome	3
Systemic sclerosis	5
Other connective tissue disorders	3
Idiopathic inflammatory myopathies	5
Periodic syndrome	2
Infectious arthritis e.g. rheumatic fever, septic, viral arthritis	5
Fibromyalgia	3
Less common arthropathies e.g. endocrinopathies	5
Metabolic bone disease (osteoporosis, osteomalcia)	3
Vasculities	2

Rheumatology and autoimmune diseases Procedure log of:

<p>Observe:</p>	<p>Log of under supervision:</p>
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 8). • Joint aspiration (no.10). • Synovial fluid analysis (no.8) • Local intra-articular injection (no.10). • Soft tissue injection (no.10). 	<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.5). • Local intra-articular injection (no.5). • Soft tissue injection (no.5).
<p>Independently Perform:</p>	<p>Order and interpret:</p>
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.3). • Local intra-articular injection (no.5). • Soft tissue injection (no.5). 	<ul style="list-style-type: none"> • 10 Hand x-ray (PA). • 10 Feet x- ray (AP, Lat). • 10 Chest x-ray (PA). • 10 Sacroiliac x-ray (AP). • 20 Cervical and back x-ray (AP, Lat) • 20 Other joints x-ray (hip, knee, elbow)

Year 3

(6 credit points for didactic)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 (Rheumatology & Autoimmune diseases)	6	Physical Medicine, Rheumatology & Rehabilitation Department	Year 3	50% of the didactics of Unit 1
	4.5		Topics and attendance	75%
	1		10 hours Section 1: Systemic Lupus Erythematosus 1. Pathogenesis of SLE 2. Clinical feature of SLE 3. Management of SLE 4. SLE and pregnancy 5. Update in SLE	
	1		5 hours by the candidates Section 2: Sero-Negative Spondyloarthropathy 1. Ankylosing spondylitis 2. Undifferentiated spondyloarthropathy and reactive arthritis 3. Psoriatic arthritis 4. Enteropathic arthritis	
	0.5		5 hours Section 3: Juvenile Idiopathic Arthritis (JIA) 1. Definition and classification 2. Etiology and Pathogenesis 3. Principles of treatment 4. Clinical features of subtypes of JIA	

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 1 (Rheumatology & Autoimmune diseases)	0.5	Physical Medicine, Rheumatology & Rehabilitation Department	2.5 hours by candidates Section 4: Inflammatory muscle diseases and other myopathies 1. Epidemiology 2. Pathogenesis and causes 3. Clinical feature 4. Classification and diagnostic criteria 5. Diagnosis of myopathy 6. Treatment and prognosis	
	0.5	Rheumatology	2.5 hours by the candidates Section 5: Systemic Sclerosis 1. Classification of scleroderma spectrum disorder 2. Epidemiology 3. Causes, pathology and pathogenesis 4. Clinical feature 5. Diagnosis and diagnostic evaluation 6. Treatment of systemic sclerosis	
	1		10 hours Section 7:- Sjögren's syndrome - Adult onset still's disease - Antiphospholipid syndrome	
	0.5		Seminars ➤ Attendance of at least 70% of the clinical seminars Presentation of at least 3 times in the seminar	8.33 %
	0.5		Conference or workshop	8.33 %
	0.5		Formative assessment	8.33 %
Student signature			Principle coordinator Signature	Head of the department Signature

Year 3

(24 credit points for training in Unit 1)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Rheumatology department	12	Rheumatology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 3 months in the Rheumatology department including interpretation of their different radiologic patterns and related laboratory investigation ➤ Log of Rheumatology cases as mentioned below ➤ Procedures log as mentioned below 	50 %
	4		➤ Night shift (From 2pm to 8am) 1/week for 8 weeks	16.7 %
	5		➤ Attendance of at least 5 weeks in the Outpatient clinic (5 hours /day)	20.8%
	1.5		➤ Attendance of at least 30% of clinical rounds (3 hours /week for 15 weeks)	6.25%
	1.5		➤ Formative assessment	6.25 %
Student signature			Principle coordinator Signature	Head of the department Signature

Rheumatology and autoimmune diseases cases log of:

Cases	Number
Rheumatoid arthritis	15
Juvenile idiopathic arthritis (JIA)	10
Sjögren's syndrome	5
Adult onset still's disease	3
Seronegative spondylo-arthropathies (psoriatic arthritis, ankylosing spondylitis, reactive and enteropathic arthritis)	20 (5,5,5,5)
Gouty and calcium pyrophosphate dehydrate hydroxyapatite and other crystals arthropathies	10
Osteoarthritis and other degenerative arthritis	10
Systemic lupus erythematosus	5
Antiphospholipid syndrome	3
Systemic sclerosis	5
Other connective tissue disorders	3
Idiopathic inflammatory myopathies	5
Periodic syndrome	2
Infectious arthritis e.g. rheumatic fever, septic, viral arthritis	5
Fibromyalgia	3
Less common arthropathies e.g. endocrinopathies	5
Metabolic bone disease (osteoporosis, osteomalcia)	3
Vasculities	2

✚ Rheumatology and autoimmune diseases Procedure log of:

✚ Observe:	✚ Log of under supervision:
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 8). • Joint aspiration (no.10). • Synovial fluid analysis (no.8) • Local intra-articular injection (no.10). • Soft tissue injection (no.10). 	<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.5). • Local intra-articular injection (no.5). • Soft tissue injection (no.5).
✚ Independently Perform:	✚ Order and interpret:
<ul style="list-style-type: none"> • Diagnostic musculoskeletal sonography (no. 4). • Joint aspiration (no.5). • Synovial fluid analysis (no.3). • Local intra-articular injection (no.5). • Soft tissue injection (no.5). 	<ul style="list-style-type: none"> • 10 Hand x-ray (PA). • 10 Feet x- ray (AP, Lat). • 10 Chest x-ray (PA). • 10 Sacroiliac x-ray (AP). • 20 Cervical and back x-ray (AP, Lat) • 20 Other joints x-ray (hip, knee, elbow)

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

A-Outpatient clinic

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



A-Outpatient clinic

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

A-Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor

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

A-Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor

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

A-Clinical rounds log

Date	Attendance	Case presentation	Signature of supervisor

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



A-Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



A-Night Shift

Date	Signature of supervisor	Date	Signature of supervisor



B- Clinical Seminars log

First: Attendance

Date	Attendance	Topic	Signature

**Post graduate teaching
First: lectures**

Date	Title of lecture	Signature of Staff member



**Post graduate teaching
Second: Tutorial**

Date	Title of Tutorial	Signature of Staff member



**Post graduate teaching
Third: Clinical Teaching**

Date	Title of Clinical Teaching	Signature of Staff member

C- Procedures log book

Hand X-ray

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Feet X-ray

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

Chest X-ray

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Sacroiliac X-ray

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Cervical and Back X-ray

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Other joints X-ray

NO.	Level of competency*	Location	Signature

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



C- Procedures log book
Local steroid injection

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Local steroid injection

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book
Intra- articular aspiration

NO.	Level of competency*	Location	Signature

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

C- Procedures log book
Intra- articular aspiration

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Soft tissue injection

NO.	Level of competency*	Location	Signature

* Level of competency

A- Independent performance

B- Performance under supervision

C- Observed

C- Procedures log book

Synovial fluid analysis

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Musculoskeletal US

NO.	Level of competency*	Location	Signature

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

C- Procedures log book

Musculoskeletal US

NO.	Level of competency*	Location	Signature

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

Postgraduate student's program
Rotation in training assessment

* Name:

* Period of training From:

To:

* Site:

*Rotation

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

Unit (Module) 2

Physical therapy and Rehabilitation & Prosthesis.

(Module)2

Physical therapy and Rehabilitation & Prosthesis.

Rotation / attendance proof

الأماكن التي تدرب بها

توقيع مدير المستشفى	توقيع رئيس القسم	أسم المستشفى التي تدرب بها

Physical therapy and Rehabilitation & Prosthesis

A - Clinical case log

● Requirement:

● Credit points: 12 points for didactic and 55 points for training

+ Minimal rate of attendance 80% of training and lectures

+ Two MCQ examinations at the second and third year

Year 1

(7 credit points for didactic in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Rehabilitation department	4	Physical Medicine, Rheumatology and Rehabilitation department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 4 weeks in the rehabilitation department including interpretation of different x-rays for various orthopedic case ➤ Log of Rehabilitation cases as mentioned below ➤ Procedures log as mentioned below 	57.14%
	3		<ul style="list-style-type: none"> ➤ Attendance of at least 3 weeks in the Outpatient clinic (5 hours /day) 	42.86%
Student signature			Principle coordinator Signature	Head of the department Signature

✚ Physical therapy and Rehabilitation & Prosthesis cases log of:

Case	Number
• Musculoskeletal disorders of the upper & lower limb.	20
• Common neck and back problems.	5
• Chronic pain.	10
• Muscle pain syndrome.	5
• Sport trauma.	3
• Muscle and Motor neuron diseases.	3
• Related orthopedic problems	3
• Upper limb amputee rehabilitation.	3
• Lower limb amputee rehabilitation.	3
• Pulmonary rehabilitation.	3
• Cardiac rehabilitation.	3
• Rehabilitation of patients with rheumatic diseases.	5
• Patients with neuropathies.	10
• Traumatic brain injury rehabilitation	5
• Stroke syndromes.	10
• Cerebral palsy.	10
• Spasticity management.	10
• Spinal cord injuries.	10
• Neurogenic bladder.	3
• Burns.	3

Physical therapy and Rehabilitation & Prosthesis cases log of:

<p>Observe:</p>	<p>Log of under supervision:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Botox or lidocaine injection for spastic hemiplegia (3) • Botox or lidocaine injection for CP (3) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3)
<p>Independently Perform:</p>	<p>Order and interpret:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10)

Year 2

(6 credit point for didactic in Unit 2)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2 “ Physical therapy and Rehabilitation & Prosthesis”	6	Physical Medicine, Rheumatology and rehabilitation department	Year 2	50% of the didactics of Unit 2
	3.5		Topics and attendance of rehabilitation course	58.33%
	0.5		2.5 hours by candidates Section 1: ➤ Musculoskeletal disorders of the upper limb ➤ Musculoskeletal disorders of the lower limb	
	0.5		5 hours Section 2: ➤ Muscle and Motor neuron diseases	
	0.5		5 hours Section 3: ➤ Cardiopulmonary rehabilitation	
	0.5		2.5 hours by the candidates Section 4: ➤ Rehabilitation of Patients with rheumatic diseases ➤ Rehabilitation of Patients with neuropathies	
	0.5		5 hours Section 5:- ➤ Spinal cord injuries ➤ Neurogenic bladder rehabilitation	
	0.5		5 hours Section 6: ➤ Upper and lower limbs orthoses	

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2 “ Physical therapy and Rehabilitation & Prosthesis”	0.5	Physical Medicine, Rheumatology and rehabilitation department	5 hours Section 7: ➤ Upper and lower limbs prostheses ➤ Rehabilitation of upper and lower limb amputee	
	1		Topics of physical medicine	16.66%
	0.5		2.5 hours by candidates Section 10: ➤ Hydrotherapy and hot packs ➤ Cryotherapy	
	0.5		Topics of Pediatric Rehabilitation	8.33%
			5 hours Section 11: ➤ Rehabilitation of pediatric health problems	
	0.5		Seminars ➤ Attendance of at least 70% of the clinical seminars ➤ Presentation of at least 3 times in the seminar	8.33%
	0.5		Conference or workshop	8.33%
Student signature			Principle coordinator Signature	Head of the department Signature

Year 2

(24 credit points for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in rehabilitation department	12	Physical Medicine, Rheumatology and rehabilitation department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 12 weeks in the Rheumatology department including interpretation of different x-rays for various orthopedic case ➤ Log of Rehabilitation cases as mentioned below ➤ Procedures log as mentioned below 	50 %
	10		➤ Attendance of at least 10 weeks in the Outpatient clinic (5 hours /day)	41.66%
	2		➤ Formative assessment	8.33%
Student signature			Principle coordinator Signature	Head of the department Signature

✚ Physical therapy and Rehabilitation & Prosthesis cases log of:

Case	Number
• Musculoskeletal disorders of the upper & lower limb.	20
• Common neck and back problems.	5
• Chronic pain.	10
• Muscle pain syndrome.	5
• Sport trauma.	3
• Muscle and Motor neuron diseases.	3
• Related orthopedic problems	3
• Upper limb amputee rehabilitation.	3
• Lower limb amputee rehabilitation.	3
• Pulmonary rehabilitation.	3
• Cardiac rehabilitation.	3
• Rehabilitation of patients with rheumatic diseases.	5
• Patients with neuropathies.	10
• Traumatic brain injury rehabilitation	5
• Stroke syndromes.	10
• Cerebral palsy.	10
• Spasticity management.	10
• Spinal cord injuries.	10
• Neurogenic bladder	3
• Burns.	3

Physical therapy and Rehabilitation & Prosthesis cases log of:

<p>Observe:</p>	<p>Log of under supervision:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Botox or lidocaine injection for spastic hemiplegia (3) • Botox or lidocaine injection for CP (3) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3)
<p>Independently Perform:</p>	<p>Order and interpret:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10)

Year 3

(6 credit points for didactic in Unit 2)

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2 “ Physical therapy and Rehabilitation & Prosthesis”	6	Physical Medicine, Rheumatology and rehabilitation department	Year 3	50% of the didactics of Unit 2
	3.5		Topics and attendance of rehabilitation course	58.33%
	0.25		2.5 hours Section 1: ➤ Common neck and back problems	
	0.25		2.5 hours Section 2: ➤ Physiatriic history and physical examination	
	0.5		2.5 hours by candidates Section 3: ➤ Chronic pain ➤ Traumatic brain injury	
	0.5		2.5 hours by candidates Section 4: ➤ Stroke syndrome	
	0.25		2.5 hours Section 5: ➤ Sport trauma	
	0.5		5 hours Section 6: ➤ Cerebral palsy ➤ Spasticity management	
	0.5		2.5 hour by candidates Section 7:- ➤ Burns rehabilitation	
0.5	2.5 by candidates Section 8: ➤ Spinal orthoses			

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 2 “ Physical therapy and Rehabilitation & Prosthesis”	0.25	Physical Medicine, Rheumatology and rehabilitation department	2.5 hours Section 9: ➤ Walking aids, wheelchairs and seating systems	
	1.5		Topics of physical medicine	25%
	1.5		7.5 hours by candidates ➤Electrical stimulation ➤ Ultrasound ➤ Short wave ➤ Infrared ➤ Laser ➤ TENS ➤ Biofeed back ➤ Therapeutic exercise	
	0.5		2.5 hours by candidates Section 11: ➤ Rehabilitation of relate orthopedic problems	
	0.5		Formative assessment	8.33%
Student signature			Principle coordinator Signature	Head of the department Signature

Year 3

(24 credit point for training in Unit 2)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in rehabilitation department	11	Rheumatology department	<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 11 weeks in the Rehabilitation department including interpretation of different x-rays for various orthopedic case ➤ Log of Rehabilitation cases as mentioned below ➤ Procedures log as mentioned below 	45.83%
	11.5		➤ Attendance of at least 12 weeks in the Outpatient clinic (5 hours /day)	47.9 %
	1.5		➤ Formative assessment	6.25%
Student signature			Principle coordinator Signature	Head of the department Signature

✚ Physical therapy and Rehabilitation & Prosthesis cases log of:

Case	Number
•Musculoskeletal disorders of the upper &lower limb.	20
•Common neck and back problems.	5
•Chronic pain.	10
•Muscle pain syndrome.	5
•Sport trauma.	3
•Muscle and Motor neuron diseases.	3
•Related orthopedic problems	3
•Upper limb amputee rehabilitation.	3
•Lower limb amputee rehabilitation.	3
•Pulmonary rehabilitation.	3
•Cardiac rehabilitation.	3
•Rehabilitation of patients with rheumatic diseases.	5
•Patients with neuropathies.	10
•Traumatic brain injury rehabilitation	10
•Stroke syndromes.	10
•Cerebral palsy.	10
•Spasticity management	3
•Spinal cord injuries.	3
•Neurogenic bladder	
•Burns.	

Physical therapy and Rehabilitation & Prosthesis cases log of:

<p>Observe:</p>	<p>Log of under supervision:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Botox or lidocaine injection for spastic hemiplegia (3) • Botox or lidocaine injection for CP (3) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe UL , LL prosthesis & orthosis (3) • Prescribe Walking aids (3) • Back & neck support (3)
<p>Independently Perform:</p>	<p>Order and interpret:</p>
<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10) 	<ul style="list-style-type: none"> • NCV for various nerve injury cases (5) • EMG for various nerve injury cases (5) • F wave , H reflex for indicated cases (5) • Prescribe Back & neck support (3) • Order and evaluate x-rays for various orthopedic cases (10)

(Module) Physical therapy and Rehabilitation & Prosthesis
A- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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- Cases log book

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

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

B- Post graduate teaching

First: lectures

Date	Title of lecture	Signature of Staff member

B- Post graduate teaching
Third: Clinical Teaching

Date	Title of Tutorial	Signature of Staff member

C- Procedures log book

Order and evaluate X-rays for various orthopedic cases

NO	Procedure	Level of competency*	Location	Signature

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

C-Procedures log book

Order and evaluate X-rays for various orthopedic cases

NO	Procedure	Level of competency*	Location	Signature

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

C-Procedures log book

Order and evaluate X-rays for various orthopedic cases

NO	Procedure	Level of competency*	Location	Signature

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

C-Procedures log book
Order and perform NCV for various nerve injury cases

NO	Procedure	Level of competency*	Location	Signature

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

C-Procedures log book
Order and perform NCV for various nerve injury cases

NO	Procedure	Level of competency*	Location	Signature

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

C-Procedures log book
Order and perform NCV for various nerve injury cases

NO	Procedure	Level of competency*	Location	Signature

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

C- Procedures log book
F wave, H reflex for indicated cases

NO	Procedure	Level of competency*	Location	Signature

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

C- Procedures log book
F wave, H reflex for indicated cases

NO	Procedure	Level of competency*	Location	Signature

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

**C-Procedures log book
Botox or lidocaine injection for spastic hemiplegia**

NO	Procedure	Level of competence	Location	Signature

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

C-Procedures log book
Prescribe UL, LL prosthesis & orthosis

NO	Procedure	Level of competency	Location	Signature

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

C-Procedures log book
Prescribe Walking aids

NO	Procedure	Level of competency*	Location	Signature

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

Postgraduate student's program
Rotation in training assessment





* Name:

* Period of training From:

To:




* Site:

***Rotation**

General skills	could not judge (0)	strongly disagree(1)	(2) (3)		(4) (5)		(6)	strongly agree (7)
								
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)	↷ (3) (2)		↷ (5) (4)		(6)	strongly agree (7)
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 a case.</u> • <u>Write a consultation note.</u> • <u>Inform patients of a diagnosis and therapeutic plan</u> 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								

Academic activities

Lecture, journal club, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C- Presentation

Elective Course

Requirements

● **Credit points:** 2 credit point.

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

One of these 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
-

Elective Course Practical skills

Date	Attendance	Topic	Signature

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
Essential Courses (1st part)			
Course 1 Applied Anatomy & P Applied hysiology			
Course 2 Applied Physics and Rehabilitation & medical prosthesis.			
Course 3 Internal medicine &Neurology			
Course 4 Orthopedic surgery			
Specialized Courses (2nd part)			
Unit (Module)1 Rheumatology and autoimmune diseases			
Unit (Module)2 Physical therapy and Rehabilitation and Prosthesis			
- Elective Course(s) Certificate (s) Dates:			
- Master Degree Thesis Acceptance Date:			
- Fulfillment of required contact credit points prior to final examination			
Rheumatology &Rehabilitation M Sc Degree Principle Coordinator:			
Date approved by Rheumatology &Rehabilitation Department Council:			

يعتمد ،
رئيس القسم
أ.د./