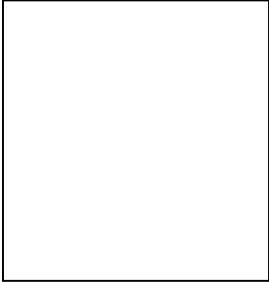


**Personal Data**



Name: .....

Department: .....

Mobile Number:

E-mail Address: .....

Master Degree:

Date of registration: ...../...../.....

Signature:

Head of Psychiatry Department

Head of Neurology Department

Vice Dean for research and postgraduate study

# *Contents*

Section I: Clinical rotation.

Section II: Scientific lectures.

Section III: Seminars.

Section IV: Practical skills.

Section V: Scientific activities.

Appendix

I. Timetable of lectures and practical skills.

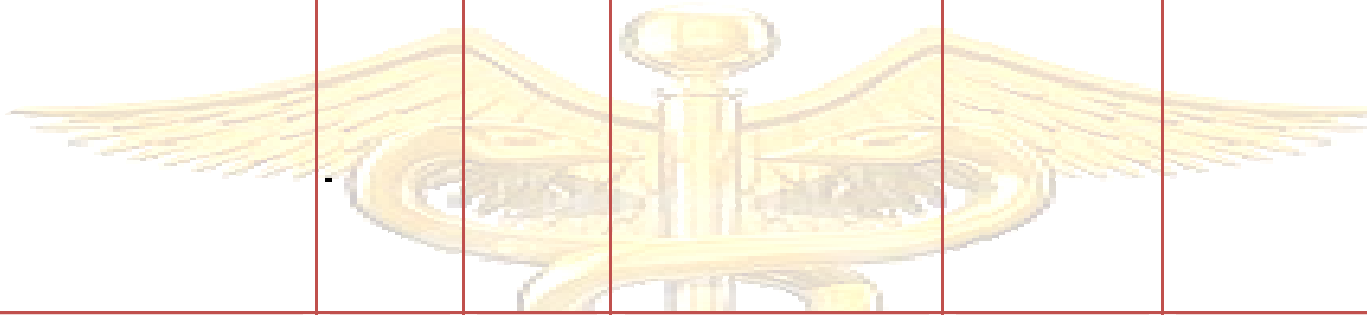
II. Program courses.



# **Section I: Clinical Rotation**

**Clinical Rotation**

Rotation	Date		Department/ hospital	Trainee signature	Trainer signature
	From	To			
<b>psychiatry</b>					
<b>neurology</b>					





**Section II:  
Scientific Lectures**

**Scientific Lectures(MSc)**

**(A) First Part:general psychology(semester 1)**

Date	Title	Supervisor's signature
	<b>Schools of psychology:</b> <ul style="list-style-type: none"> <li>• Overview &amp; Eric Erikson</li> <li>• Classical psychoanalysis &amp; related schools</li> <li>• Object-relation theory</li> <li>• Humanistic &amp; other schools</li> <li>• Behavioral school</li> <li>• Transactional psychoanalysis</li> </ul>	
	<b>Memory</b>	
	<b>Attention</b>	
	<b>Learning</b>	
	<b>Perception</b>	
	<b>Thinking &amp; executive function</b>	
	<b>Emotions</b>	
	<b>Intelligence</b>	
	<b>Motivation</b>	
	<b>Sleep</b>	
	<b>Personality</b>	
	<b>Stress</b>	
	<b>Social psychology</b>	
	<b>Psychometry</b>	
	<b>Human aggression</b>	
	<b>Human sexuality</b>	
	<b>Adolescent psychology</b>	

**First Part:Child and adolescentPsychology (semester 1)**

Date	Title	Supervisor's signature
	- Thinking development	
	- Language & Motor development	
	- Family role on child development	
	- Development of socialization & Moral development	
	- Emotional development	
	- Attachment & bonding	
	- Psychological impact of child abuse	



## First Part: Physiology (semester 1)

Date	Title	Supervisor's signature
	Hemostasis	
	Fibrinolytic system.	
	Synapses in the CNS and the neurotransmitters	
	Sensory receptors and neural coding of sensory information	
	Somatic sensations and their pathways: (pain and pain-control system, tactile, proprioceptive, and thermal).	
	Motor functions of spinal cord	
	The descending motor pathways	
	Upper & lower motor neuron lesions and lesions of the spinal cord	
	Vestibular system and posture & equilibrium	
	The basal ganglia	
	The cerebellum	
	The hypothalamus and the limbic system	
	<ul style="list-style-type: none"> <li>- The cerebral cortex:               <ul style="list-style-type: none"> <li>o Electrical activity of the brain</li> <li>o Sleep</li> <li>o Functional areas of the cerebral cortex of language .</li> <li>o Role of the cerebral cortex in learning and memory</li> <li>o Neurophysiological basis of language</li> </ul> </li> </ul>	
	<b>Special Sense:</b> <ul style="list-style-type: none"> <li>- Visual pathway</li> <li>- Auditory pathway</li> </ul>	
	<b>Muscle and Nerve:</b> <ul style="list-style-type: none"> <li>- Neuromuscular transmission and mechanism of skeletal muscle contraction.</li> </ul>	
	<b>Cardiovascular System:</b> <ul style="list-style-type: none"> <li>- Regulation of arterial blood pressure</li> <li>- Physiology of haemorrhage</li> <li>- Physiology of shock</li> <li>- Cerebral circulation and CSF.</li> </ul>	



## First Part: Biochemistry (semester 1)

Date	Title	Supervisor's signature
	Neurotransmitters	
	Brain metabolism	
	Metabolic Neuropathies	
	Myopathy	
	Prion and prion disease	
	Neurochemistry	
	Neurodegenerative diseases	



## First Part: Histology (semester 1)

Date	Title	Supervisor's signature
	Neuro anatomical studying central nervous system .	
	Receptors, effectors	
	Neurons, Types, Structures.	
	Neuroglia, ependymal cells, choroid plexus.	
	Spinal nerves, spinal ganglia, Autonomic ganglia	
	Meninges & Cerebrospinal fluid, barriers related to blood brain barrier	
	Development and histogenesis of the nervous system	
	Spinal cord	
	Medull	
	Pons	
	Mid brain	
	Basal ganglia	
	Cranial nerves	
	Visual pathway	
	Auditory pathway	
	Olfactory pathway	
	Hypothalamus	
	Thalamus	
	Cerebellum	
	Cerebral cortex	
	Internal Capsule	

### **First Part:Medicine (semester 1)**

Date	Title	Supervisor's signature
	Acute renal failure	
	Chronic renal failure	
	Glomerulonephritis	
	Electrolyte disturbance nephritic syndrome	
	DM	
	Thyroid	
	Thyroid	
	HCF (Hepatocellular failure)	
	Hepatic encephalopathy	

### **(A) First Part:Anatomy (semester 1)**

Date	Title	Supervisor's signature
	Brain Stem external and internal features.	
	Cerebellum	
	4 <sup>th</sup> ventricle	
	Vertebrobasilar system and syndromes associated with.	
	Circulus arteriosus & Interpeduncular fossa.	
	Midbrain	
	Thalamas and thalamic connections.	
	Cerebral cortex (sulei-Gyri-Functional Areas)	
	Blood supply of cerebral hemisphere.	
	C.S.F.	
	Internal capsule	
	Limbic system	

**(B) Second Part: Neurology(semester 2, 3, 4)**

Semester	Title	Date	Supervisor's signature
2	Introduction to the function of the nervous system		
2	neuroanatomical-functional localization		
2	Level of consciousness-attention		
2	Epilepsy		
2	Lower cranial nerves, dysphagia		
2	Polyneuropathy		
2	Motor neuron disease		
2	Muscle disease		
2	Multiple sclerosis & other demyelinating disease		
2	Tremors, ataxia & cerebellar disorders		
2	Cerebrovascular diseases		
2	Headache & facial pain		
3	Movement disorders		
3	Brainstem syndromes & cerebral regional syndromes		
3	Brain tumors &Paraneoplastic syndromes		
3	Raised intracranial pressure, cerebral edema, hydrocephalus		
3	Spinal cord diseases		
3	Special senses disorders		
3	Pediatric neurology		
3	Sleep disorders		

3	Higher cortical function disturbances		
4	Neurouological diseases		
4	Medical neurology (systemic diseases & CNS)		
4	Neurotoxic ology & drug induced neurological disorders		
4	Traumatic disorders		
4	Endogenous metabolic disorders		
4	Nutritional deficiency & related syndromes		
4	Developmental structure disorders		
4	Chromosomal disorders & neurocutaneous diseases		
4	Storage diseases		
4	Degenerative, compressive structural disorders		
4	Clinical neurophysiology		
4	Neuroradiology		

**(B) Second Part: General psychiatry (semester 2, 3, 4)**

Semester	Title	Date	Supervisor's signature
2	Classification in psychiatry		
2	History taking psychiatry		
2	Dementia & delirium		
2	Amnestic disorders		
2	Schizophrenia		
2	Schizophrenia		
2	Mood disorder		
2	Mood disorder		
2	Anxiety disorders		
2	Anxiety disorders		
2	Sleep disorders		
2	Sleep disorders		
2	Eating disorders		
	أجازة نصف العام		
2	Personality disorders		
2	Personality disorders		
3	Psychosexual disorders		
3	Psychosexual disorders		
3	Psychosomatic disorders		
3	Somatoform disorders		
3	Management of medically ill patients		
3	Psycho-neuro-endocrinology and psychoimmunology		
3	General basis of substance related disorders		

3	Alcohol and sedatives		
3	Stimulants and anxiolytics		
3	Pharmacokinetics, pharmacodynamics and pharmacogenetics		
3	Antipsychotics and anxiolytics		
3	Antidepressants and others		
3	Drug induced movements disorders		
3	Forensic psychiatry		
4	Social psychiatry and rehabilitation		
4	Emergency psychiatric disorders		
4	Dissociative disorders		
4	Ethics in psychiatry		
4	How to write a case		
4	Cognitive behavior therapy (CBT)		
4	Psycho –education		
4	Basic assumptions in psychotherapy		



**(B) Second Part:Special Psychiatry (semester 3)**

Semester	Title	Date	Supervisor's signature
3	Geriatric psychiatry		
3	Mental retardation		
3	Pervasive developmental disorders and early onset schizophrenia		
3	Anxiety disorders in children		
3	Tic disorders and motor skill disorders		
3	ADHD and disruptive behavior disorders		
3	Communication disorders		
3	Learning disabilities		
3	Mood disorder in young age		
3	Child and adolescent Assessment & psychometry		

## **B) Second Part: Basics of Clinical Neurophysiology (semester 4)**

Semester	Title	Date	Supervisor's signature
4	Electroencephalography (EEG)		
4	Electromyography (EMG)		
4	Nerve Conduction Velocity (NCV)		
4	Visual Evoked potentials (VEPs)		
4	Brainstem Auditory Evoked potentials (BAEPs)		
4	Somatosensory Evoked Potentials (SSEPs)		
4	Motor Evoked Potentials (MEPs)		



## **(B) Second part: Psychopathology (semester 2, 3)**

Semester	Title	Date	Supervisor's signature
2	Disorders of thinking		
2	Disorders of memory		
2	Disorders of sleep		
2	Disorders of emotion		
2	Disorders of attention and perception		
	أجازة		
2	Disorders of psychomotor system		
	أجازة نصف العام		
2	Main concepts in behavioral and cognitive schools of personality		
3	Psychopathogenesis of individual symptoms (delusion, hallucination & anxiety)		
3	Psychopathology of substance related disorders		
3	Psychopathology of anxiety disorders		
3	Psychopathology of schizophrenia		
3	Psychopathology of mood disorders		
3	Psychopathology of eating disorders		
3	Psychopathology of somatoform disorders		

## B) Second part: Neuropathology (semester 2, 3)

Semester	Title		Date	Supervisor's signature	
2	General	Inflammation			
2		Infection			
2					
2		Cell death, Necrosis, apoptosis			
2	Systemic Of CNS	Diseases	Developmental		
2			Demyelinating		
2			Infections		
3			Vascular		
3			Degenerative		
3			Tumors		
3		Diseases Of PNS	Muscle disease		
3			Nerve disease		

## Second Part: Elective courses semester (4)

### Elective course of Substance- Related Disorders

Semester	Title	Date	Supervisor's signature
	Introduction and Overview		
	Alcohol-Related Disorders		
	Amphetamine (or Amphetamine-like Related) disorders		
	Caffeine-Related Disorder		
	Cannabis-Related Disorders		
	أجازة		
	Cocaine- Related Disorders		
	Hallucinogen-Related disorders		
	أجازة نصف العام		
	Inhalant –Related Disorders		
	Sedative-, Hypnotic-, or Anxiolytic-related Abuse		
	Nicotine-Related Disorders		
	Opioid-Related Disorders		
	Phencyclidine (or phencyclidine-like)- Related Disorders		
	Anabolic-Androgenic steroid Abuse		

## (B) Second Part: Elective course of adolescent psychiatry

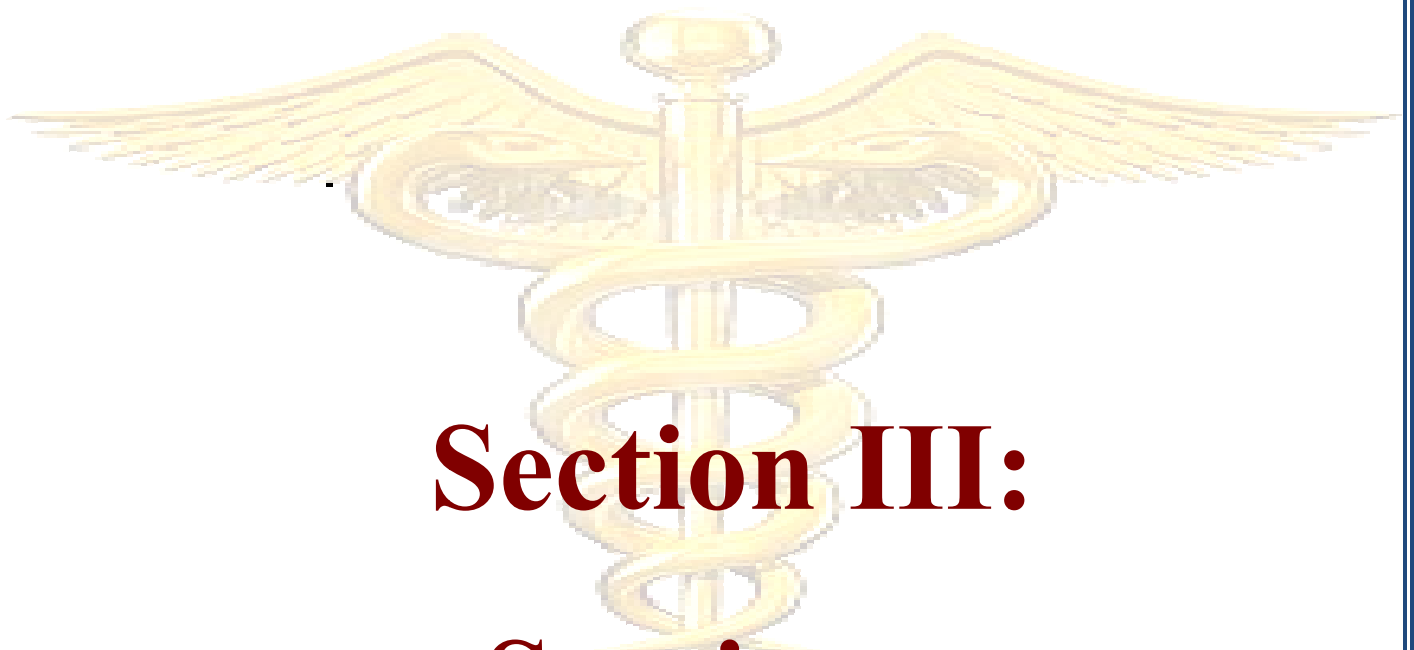
### Semester (4)

Semester	Title	Date	Supervisor's signature
	Normal adolescence and aspects of development .		
	characteristics of adolescents.		
	Assessment & interview of adolescent		
	Definition, prevalence and history of self harm in adolescents		
	The neurobiology and effective interventions for self-harm		
	أجازة		
	The genetics, psychosocial, and psychiatric factors relating to adolescent suicidality and self harm.		
	Substance abuse in adolescents: risk and protective factors.		
	أجازة نصف العام		
	Preventing substance abuse among adolescents		
	Neurobiology of addiction from a developmental perspective.		
	Screening, & brief intervention for Substance abuse in adolescents.		
	The recognition and management of early psychosis.		
	preventive approaches for early psychosis		
	Social & psycho educational approaches for adolescent care & mental health needs		
	Parent training programs		

## (B) Second Part: Elective course of Psychopharmacology

### Semester (4)

Semester	Title	Date	Supervisor's signature
	Pharmacokinetics and pharmacodynamics		
	Conventional antipsychotics		
	Pharmacogenetics		
	New generation antipsychotics		
	Antidepressant		
	New of depression		
	Mood stabilizers		
	أجازة نصف العام		
	Anxiolytics		
	Memory enhancers		
	Augmentation, combination and polypharmacy		
	Drug interactions		
	Drug adherence		
	Treatment guidelines for conditions with special concern		
	Treatment guidelines for special age group		
	Drugs in emergency conditions		





# **Section III: Seminars**













# **Section IV:**

# **Practical skills**

(Apply timetable of practical sessions or training courses)

## Clinical training:

Skill	Trainee's assessment			Trainer's signature
	Poor	Fair	Good	
<p>A- History taking:</p> <ul style="list-style-type: none"> <li>Facilitate patient's telling a story</li> <li>Effectively uses appropriate questions to obtain accurate &amp; adequate answer</li> <li>Responds appropriately to verbal &amp; non verbal cues</li> </ul>				
<p>B- mental state &amp; physical examination</p> <p>Efficient</p> <p>Logical &amp; appropriate</p> <p>Sensitive to patient comfort</p>				
<p><b>C- clinical judgment:</b></p> <ul style="list-style-type: none"> <li>Good interpretation &amp; synthesis of information</li> <li>Appropriate diagnosis &amp; DD</li> <li>Adequate risk assessment &amp; management</li> <li>Formulation suitable management plan including follow up</li> <li>Considers risks &amp; benefits of management including medical treatment</li> <li>Choice appropriate investigations &amp; referrals</li> <li>Appropriate use of resources</li> <li>Ask for help when appropriate</li> </ul>				
<p><b>Organization skills :</b></p> <ul style="list-style-type: none"> <li>Prioritization</li> <li>Urgencies</li> <li>Use of time</li> <li>Summarization</li> </ul>				

## Clinical training:

Skill	Trainee's assessment			Trainer's signature
	Poor	Fair	Good	
<p><b>A- History taking:</b></p> <ul style="list-style-type: none"> <li>Facilitate patient's telling a story</li> <li>Effectively uses appropriate questions to obtain accurate &amp; adequate answer</li> <li>Responds appropriately to verbal &amp; non verbal cues</li> </ul>				
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<p><b>E- Communication skills:</b></p> <ul style="list-style-type: none"> <li>Clarity: jargon free, clear question &amp; comments</li> <li>Open &amp; honest</li> <li>Empathy</li> <li>Discussion of management plan &amp; ability to engage</li> <li>Communication with families &amp; careers</li> </ul>				



**Organization skills :**

- Prioritization
- Urgencies
- Use of time
- Summarization

**Clinical training:**

Skill	Trainee's assessment			Trainer's signature
	Poor	Fair	Good	
<ul style="list-style-type: none"> <li>• A- History taking:</li> <li>• Facilitate patient's telling a story</li> <li>• Effectively uses appropriate questions to obtain accurate &amp; adequate answer</li> <li>• Responds appropriately to verbal &amp; non verbal cues</li> </ul>				
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<ul style="list-style-type: none"> <li>• Empathy</li> <li>• Discussion of management plan &amp; ability to engage</li> <li>• Communication with families &amp; careers</li> </ul>				
<b>Organization skills :</b> <ul style="list-style-type: none"> <li>• Prioritization</li> <li>• Urgencies</li> <li>• Use of time</li> <li>• Summarization</li> </ul>				

### Clinical training:

Skill	Trainee's assessment			Trainer's signature
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**E- Communication skills:**

- **Clarity:** jargon free, clear question & comments
- Open & honest
- Empathy
- Discussion of management plan & ability to engage
- Communication with families &careers

**Organization skills :**

- Prioritization
- Urgencies
- Use of time
- Summarization

**Clinical training:**

Skill	Trainee's assessment			Trainer's signature
	Poor	Fair	Good	
<p><b>A- History taking:</b></p> <ul style="list-style-type: none"> <li>• Facilitate patient's telling a story</li> <li>• Effectively uses appropriate questions to obtain accurate &amp; adequate answer</li> <li>• Responds appropriately to verbal &amp; non verbal cues</li> </ul>				
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<ul style="list-style-type: none"> <li>• Considers risks &amp; benefits of management including medical treatment</li> <li>• Choice appropriate investigations &amp; referrals</li> <li>• Appropriate use of resources</li> <li>• Ask for help when appropriate</li> </ul>				
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<b>C- clinical judgment:</b> <ul style="list-style-type: none"> <li>• Good interpretation &amp; synthesis of information</li> <li>• Appropriate diagnosis &amp;DD</li> </ul>				

- Adequate risk assessment & management
- Formulation suitable management plan including follow up
- Considers risks & benefits of management including medical treatment
- Choice appropriate investigations & referrals
- Appropriate use of resources
- Ask for help when appropriate

**E- Communication skills:**

- Clarity: jargon free, clear question & comments
- Open & honest
- Empathy
- Discussion of management plan & ability to engage
- Communication with families &careers

**Organization skills :**

- Prioritization
- Urgencies
- Use of time
- Summarization


## Clinical training:

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- Prioritization
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**Clinical training:**

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**E- Communication skills:**

- Clarity: jargon free, clear question & comments
- Open & honest
- Empathy
- Discussion of management plan & ability to engage
- Communication with families &careers

**Organization skills :**

- Prioritization
- Urgencies
- Use of time
- Summarization

**Skills training:**

**Basic life support training course**

**Trainer's signature**



**Section V:**  
**Scientific activities**

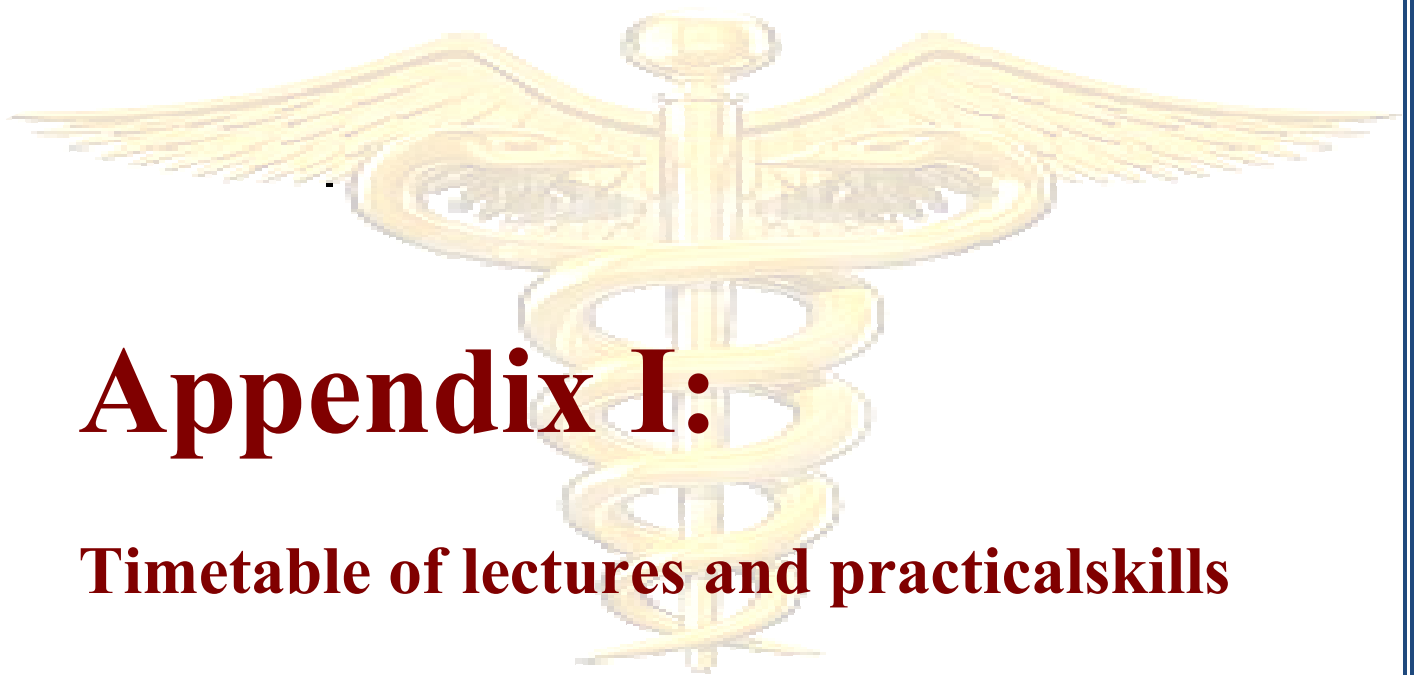












# **Appendix I:**

## **Timetable of lectures and practical skills**





# **Appendix II:**

## **Program Courses**

## First part(MSc)

### Compulsory courses:

Title	Course Code	NO. of hours per week				Total teaching hours (throughout the program)	Method of assessment	
		Theoretical		Laboratory /practical	Field			Total
		Lectures	seminars					
Neurophysiology	NPSYC503	1h				1h	10h	Written oral clinical exam
Biochemistry	NPSYC504	1h				1h	8h	Written oral clinical exam
anatomy		1h				1h	12h	Written oral clinical exam
Histology	NPSYC501	1h				1h	7h	Written oral clinical exam
General psychology	NPSYC502	2h				2h	24h	Written oral clinical exam
Special psychology	NPSYC513	1				1h	12h	Written oral clinical exam
medicine	NPSYC513	1.5h				105	15h	Written oral clinical exam

## Second part (MSc)

### Compulsory courses

Course Title	Course code	NO. of hours per week					Total teaching hours	Method of assessment
		Theoretical		Laboratory /practical	Field	Total		
		Lectures	seminars					
Psychiatry	NPSYC513	3	3			6	240h	Written oral clinical exam
Neurology	NPSYC512	3	3			6	240h	Written oral clinical exam
Psychopathology	NPSYC513	1				1	16h	Written oral clinical exam
Neuropathology	NPSYC505	1				1	15h	Written oral clinical exam
Neurophysiology	NPSYC512 CNP					1	15h	Written oral clinical exam
Clinical & practical training in neurology psychiatry	NPSYC 5/3c			2	10		90	
	NPSYC5/2P			2	20		210	
	NPSYC5/3C							

Clinical training in neurophysiology	NPSYC5/2 CNP				301		30	Clinical & practical exam
<b>Elective courses</b>								
-Addiction	NPSY5/3AD	1				1	15h	Written oral clinical exam
-Psychopharmacology	NPSY5/3PP	1				1	15h	Written oral clinical exam
-Adolescent psychiatry	NPSY5/3AP	1				1	15h	Written oral clinical exam