



جامعة بنها  
كلية الطب البشرى

## توصيف برنامج دكتوراة الطب انفسى

(٢٠١٣-٢٠١٤)

١- معلومات أساسية : Basic information

١ - اسم البرنامج : **Doctorate degree in Psychiatry**

٢ - طبيعة البرنامج : ( مشترك )

٣- القسم المسئول عن البرنامج- الاقسام المشتركة

**Neuropsychiatry department**

**Pathology and Physiology Department**

٤- تاريخ إقرار البرنامج فى مجلس القسم ٨ / ٩ / ٢٠١٣

٥ - تاريخ إقرار البرنامج فى مجلس الكلية ٣٥٦ : ٩ / ١٥ / ٢٠١٣

٦- مسئول البرنامج: Prof. Dr. Hussin Al sheikh,:

(Professor of Psychiatry) Benha university

٧- المراجعة الداخلية للبرنامج Prof. Victor Sámi :

Michael (Professor of Psychiatry) Benha university

٨- المراجعة الخارجية للبرنامج :-

Prof.Dr. Mostafa Kamel ,(Professor of

Psychiatry)

Ain Shams University.

٢- معلومات متخصصة: Basic information

١ - الأهداف العامة للبرنامج : 1-Program

aims:

**The overall aims of the Program are:**



- 1.1- Meet the national requirements for Continuing Professional Development in the mental health profession within the region by providing a high quality program of clinical study.
- 1.2- Develop knowledge and understanding of social and psychological theories of human development and behavior and the theoretical underpinnings and etiology of mental illness with the ability to critically evaluate their relevance for clinical practice.
- 1.3- Develop critical understanding of the biological basis of normal mental health functioning and behavior and their relationship to mental ill health, including psychopharmacology.
- 1.4- Integrate clinical theory and concepts with workplace experience through practice-based learning and teaching methods, with reference to ethical practice.
- 1.5- Develop advanced clinical practice skills; in one or more specialist settings and with particular client and age groups, and basic clinical competence in at least one specific type of psychological therapy in the context of workplace setting and professional role.
- 1.6- Develop the capacity to contribute to the practice of others through membership and leadership of teams.
- 1.7- Develop a critical understanding of evidence based practice in mental health, and the ability to design and participate in mental health audit and evaluation projects.

٢ - المخرجات التعليمية المستهدفة من البرنامج :

## 2-Intended Learning Outcomes (ILOS):

٢.أ - المعرفة والفهم :

### 2.a. Knowledge and Understanding

*On successful completion of the program, the graduate will be able to:*



- 2.a.1 Demonstrate body organs and substructures involved with or contribute to normal and abnormal neuropsychological functions.
- 2.a.2 Discuss physiological functions and pathological changes related to behavioral and psychiatric science.
- 2.a.3 Recognize the updated biological views in various psychiatric disorders.
- 2.a.4 Identify neurotransmitter and other biological changes associated with behavioral and psychiatric disorders.
- 2.a.5 Demonstrate the concepts and meanings of various psychological terms .
- 2.a.6 Explain the various psychiatric disorders according to common and updated international classifications.(ICD-10 and DSM-IV&DSM-V)
- 2.a.7 Recognize the known and recent theories and factors explaining the etiology and underlying psychopathology in various psychiatric disorders.
- 2.a.8 Describe the basic diagnostic criteria in psychiatric disorders.
- 2.a.9 Identify the common differential diagnosis in various psychiatric disorders.
- 2.a.10 Discuss the common and updated interventional therapeutic methods in handling psychiatric emergencies and psychiatric disorders.
- 2.a.11 Explain the rationale underlying various methods of treatment in psychiatric disorders.
- 2.a.12 Demonstrate the known good & bad prognostic factors in common psychiatric disorders.
- 2.a.13 Recognize main schools and founders sharing in development of psychological medicine.
- 2.a.14 Discuss contributions of the main founders in field of psychology.



2.a.15 Explain the views of various contributors in field of psychology to explain psychiatric disorders.

2.a.16 Illustrate basics and updated knowledge associated with various topics in psychiatry and related sciences (psychology of emotion ,perception, thinking, memory...ect)

2,a.17 Know the fundamental ethical considerations in the field of scientific psychiatric research.

2.a.18 point out professional proposal for scientific research in psychiatric topics.

2.a.19 Know the basic knowledge in methodologies, tools and statistical analysis of scientific research.

2.a.20 understand the ethical and legal aspects of professional practice in psychiatry

2.a.21know The principles and fundamentals of quality of professional practice in the field of psychiatry(principles of good patient-doctor relationship, basic guidelines in management,..ect. )

٢ . ب - القدرات الذهنية :

### **2.b. Intellectual Skills:-**

*On successful completion of the program, the graduate will be able to:*

2.b.1Analyze symptoms & signs of psychiatric abnormalities to understand the associated psychological elements and underlying psychopathology

2.b.2- Interpret data acquired via different methods (through history taking, examination, report evaluation..ect) to reach a provisional conclusion/diagnosis in Psychiatry and related sciences.

2.b.3- Suggest a differential diagnosis to obtained clinical psychiatric symptoms/signs

2.b.4- Select from different diagnostic alternatives the ones that help reaching a final diagnosis for the psychiatric problem.



- 2.b.5- Construct a treatment plan based on available data in each case management.
- 2.b.6- Predict the possible response to treatment intervention and expected future prognosis.
- 2.b.7- conduct research study that adds to knowledge in Psychiatry.
- 2.b.8- Formulate a scientific paper\|s in the area of psychiatry
- 2.b.9- Assess risk in professional practices in the field of psychiatry and related sciences.
- 2.b.10- Plan to improve performance in the field of psychiatry.
- 2.b.11- analyze problems and find solutions in psychiatry and related sciences
- 2.b.12- Manage Scientific discussion administration based on scientific evidences and proofs.
- 2.b.13- Criticize appraisal of researches related to psychiatry

٢.ج . مهارات مهنية وعملية :

### **2.c. Practical & professional Skills:-**

*On successful completion of the program, the graduate will be able to:*

- 2.c.1.Prescribe and perform adequately medical and psychological procedures considered essential for practice.
- 2.c.2. Demonstrate basic psychotherapeutic skills including listening and empathy.
- 2.c.3. Provide effective Follow-up services.
- 2.c.4. Maintain comprehensive, timely and legible medical records.
- 2.c.5. Encourage patients and families to participate actively in the process of care.
- 2.c.6. Provide families and patients with education necessary to understand illness and treatment, share decisions, and obtain informed consent.



2.c.7. Perform different therapeutic tools in psychiatry (e.g ECT, psychotherapy, ect).

٢.د . مهارات عامة :

**2.d. General and transferable skills:-**

*On successful completion of the program, the graduate will be able to:*

2.d.1 Communicate effectively with patients and families to create a professional and therapeutic relationship across a broad range of socioeconomic backgrounds.

2.d.2. Communicate and collaborate with other health professionals (e.g. Nurses, Clinical Psychologists and Social Workers) as well as physicians from different specialties and work effectively as a member or leader of a health care team.

2.d.3 Analyze own practice by reflective thinking and self knowledge with awareness of limitations in knowledge and expertise and counter transference issues.

2.d.4. Use evaluations of performance provided by peers, patients, superiors, and subordinates to improve practice with openness to feedback and criticism.

2.d.5. Take primary responsibility for lifelong learning to improve knowledge, skills, and practice performance.

2.d.6. Use information technology to optimize patient care and enhance his lifelong learning skills.

2.d.7. Locate, appraise, and summarize evidence from scientific studies related to health problems of patients.

2.d.8. Participate in the education of patients, families, students, peers, and other health professionals

2.d.9. Demonstrate integrity, honesty, compassion, and empathy in his role as a physician.



- 2.d.10. Respect the patient's privacy and autonomy  
2.d.11. Maintain appropriate professional boundaries.  
2.d.12. Demonstrate a responsiveness to the needs of patients and society .

٣ - المعايير الأكاديمية :

### 3. Academic Standards:

- **Academic Standards of Doctorate Program of Psychiatry**, approved in department council date 9 / 6 / 2013, and in faculty council 354 date 16 / 6 / 2013. (ملحق ١)

٤ - العلامات المرجعية :

المعايير القياسية لبرامج الدراسات العليا (درجة الدكتوراة) الصادرة عن الهيئة القومية لجودة التعليم والإعتماد (مارس ٢٠٠٩)

**Academic reference standards (ARS) , Doctorate Program (March 2009)**

, which were issued by the National Authority for Quality Assurance & Accreditation of Education NAQAAE (ملحق ٢)

٥ - هيكل ومكونات البرنامج :

(5): Curriculum structure and contents:

أ - مدة البرنامج:

**program duration: two years and half**

**1<sup>st</sup> part:** - One Semester (6 months)

**2<sup>nd</sup> part:** - Three Semester (one and half year)

**Thesis:** - Four semesters (2 years) after passing the first part

ب - هيكل البرنامج:

### B-Program structure

- **Total hours of program** 61credit hours
- **Theoretical .....** 15credit hours
- **Practical** 10 credit hours



- University 6 credit hours
- Logbook activities 15 credit hours
- Thesis 15 credit hours

ج- مستويات ومقررات البرنامج:

الساعات المعتمدة	الكود	المقررات	البند
6 credit hours		الجامعة والكلية	متطلبات
6 cr. hr.		Psychopathology	الجزء الأول
1 hour 1hour	PSYC705 PSYC06	General Special	
	PSYC702-703-704	Pathology	
	PSYC701	Physiology	
25 credit hour	PSYC707-708	Psychiatry	جزء ثان
15credit hours			كراسة الانشطة
15credit hours			رسالة الدكتوراة
61credit hours			الاجمالي

**First part**

a- Compulsory courses.

Course Title	Course Code	NO. of hours per week			Total teaching hours
		Theoretical Lecture	Laboratory /practical Seminars	Total	
Psychopathology	PSYCH705-706	2		2	30
Pathology	PSYC702-	2		2	30





	703-704			
Physiology	PSYCH701-702	2	2	30
Total.		6	6	90 Hours

b- Elective courses:

## Second part

a- Compulsory courses:

Course Title	Course Code	NO. of hours per week			Total teaching hours weeks
		Theoretical Lectures	Laboratory /practical seminars	Total	
General Psychiatry	Psyc705	6	6	12	360
Special Psychiatry	PSYC706	5	4	9	255
Total.		11	10	21	715

Remarks; special psychiatry include: cultural, forensic , child and adolescent, addiction ,consultation, adult ,geriatric.

- Training course include update new research , journal clubs advanced training course in different subspecialty

b- Elective courses: none

٦- محتويات المقررات (راجع توصيف المقررات)

ملحق ٦



## ٧ - متطلبات الإلتحاق بالبرنامج :

### (7): Program admission requirements:

مادة ( ٢٣ ) : يشترط لقياد الطالب لدرجة الدكتوراه فى الطب أو الجراحة أو العلوم الطبية الأساسية أن يكون

حاصلا على درجة الماجستير فى مادة التخصص بتقدير جيد على الأقل من إحدى جامعات ج . م . ع

أو على درجة معادلة لها من معهد علمى آخر معترف به من الجامعة .

☒ مدة الدراسة لنيل الدكتوراه سنتان ونصف موزعة كا لآتى :

• جزء أول : علوم أساسية . فصل دراسى لمدة ستة شهور ( ٦ ساعات معتمدة ) ومن يرسل يعيد مادة

الرسوب فقط .

• الجزء الثانى : ثلاث فصول دراسية لمدة سنة ونصف ( ٣٩ ) ساعة معتمدة يستوفى خلالها الطالب

الساعات المعتمدة ثم يسمح له بالتقدم لامتحان التحريرى وإذا اجتاز الامتحان التحريرى

بنجاح يحق له التقدم الى الامتحان الشفهى والعملى والإكلينيكي خلال شهر من تاريخ

الامتحان التحريرى .

• رسالة ( ١٥ ساعة معتمدة )

تبدأ الدراسة عند بداية التسجيل تنتهى بامتحان شامل فى نهاية كل أربع فصول دراسية بعد

اجتياز الطالب امتحانات الجزء الأول بنجاح يسمح له بتسجيل رسالة لمدة أربعة فصول دراسية تبدأ عند

بداية الفصل الدراسى الثانى وتناقش بعد مرور عامين على الأقل من تاريخ تسجيل الرسالة على أن تكون

المناقشة بعد ستة اشهر على الأقل مع اجتياز الامتحان التحريرى والإكلينيكية والشفهى ( الامتحان

الشامل ) .

• يمنح الطالب الدرجة بعد مناقشة الرسالة واجتياز الامتحان الشامل .

• يكون التقدم للقياد لدرجة الدكتوراه مر تين فى السنة خلال شهرى مارس وأكتوبر من كل عام .

## ٨- القواعد المنظمة لإستكمال البرنامج:

مادة ( ٢٤ ) : يشترط فى الطالب لنيل درجة الدكتوراه فى الطب أو الجراحة أو العلوم الطبية الأساسية ما يلى :

• حضور المقررات الدراسية بصفة مرضية طبقا للساعات المعتمدة .

• أن يقوم ببحث فى موضوع تقره الجامعة بعد موافقة مجلس الكلية والقسم لمدة سنتان على الأقل .



- أن يتقدم بنتائج البحث في رسالة تقبلها لجنة الحكم بعد مناقشة علنية للرسالة .
  - اجتياز الطالب ثلاث دورات في الحاسب الآلى ( دورة فى مقدمة الحاسب الألى - دورة تدريبية " متوسطة " - دورة فى تطبيقات الحاسب الألى ) • وذلك قبل مناقشة الرسالة .
  - اجتياز الطالب اختبار التوفيل بمستوى لا يقل عن ٥٠٠ وحدة وذلك قبل مناقشة الرسالة .
  - أن يجتاز بنجاح الاختبارات التحريرية والإكلينيكية والشفهية المقررة وفقا لما هو مبين باللائحة .
- مادة ( ٢٥ ) : على الطالب أن يقيد اسمه للامتحان قبل موعده بشهر على الأقل .
- مادة ( ٢٦ ) : يشترط لنجاح الطالب فى امتحان الدكتوراه الحصول على الحد الأدنى للنجاح فى جميع الاختبارات المقررة وفى كل جزء من أجزاءها على حدة ذلك بأخذ المتوسط لتقديرات أعضاء اللجنة اذا رسب الطالب فى أى مقرر من المقررات بعد الامتحان فى جميع المقررات .
- مادة ( ٢٧ ) : يعقد الامتحان التحريرى لدرجة الدكتوراه فى شهرى نوفمبر ومايو من كل عام - لمن يجتاز الامتحان التحريرى فى نفس الدور يتقدم الامتحان الشفهي والاكلينى والعملى
- مادة ( ٢٨ ) : لا يجوز للطالب أن يبقى مقيدا لدرجة الدكتوراه لأكثر من أربع سنوات دون أن يتقدم لمناقشة الرسالة ويجوز لمجلس الكلية أن يعطى الطالب مهلة لمدة سنتين فى حالة قبول العذر .
- مادة ( ٢٩ ) : تضاف درجات التحريرى ووصف الحالة لبعضها ويعتبر النجاح والرسوب فى المجموع الكلى للتحريرى ( ٦٠% على الأقل من الدرجة النهائية للتحريرى ) ومن ينجح فى الامتحان التحريرى يصرح له بدخول باقى الامتحانات الإكلينيكية والشفوية والعملية وعدد الرسوب يعيد الطالب الامتحان الشفوي والاكلينى .
- لا يحق للطالب التقدم للامتحان التحريرى أكثر من أربع مرات .
- مادة ( ٣٠ ) : تبين فى شهادة الدكتوراه موضوع الرسالة والمادة أو المواد الاختيارية .
- مادة ( ٣١ ) : تبين الجداول فى الباب الخامس المقررات الدراسية التى تدرس لنيل درجة الدكتوراه طبقا للساعات المعتمدة الاختبارات التحريرية والإكلينيكية والشفوية



## ٩ - طرق وقواعد تقييم الملتحقين بالبرنامج :

### 9- Students Assessment methods:

م	الوسيلة	مخرجات التعلم المستهدفة
-١	Written examination	To assess knowledge & understanding intellectual skills. 2.a.1,2.a.2...2.a.21.....2.b.1 .....2.b.13
-٢	Oral examination	To assess knowledge, understanding , intellectual skills & General & transferable skills 2.a.1...2.a.21,2.b.1...2.b.13,2.d.1...2.d.12
-٣	Practical examination	To assess knowledge, understanding ,intellectual skills, professional & practical skills ,General & transferable skills 2.c.1 .....2.c.7 2.a.1...2.a.21,2.b.1...2.b.13,2.d.1...2.d.12
-٤	Thesis discussion	To assess knowledge, understanding , intellectual skills, professional & practical skills ,General & transferable skills

### Final exam:

#### First part

إجمالي	الدرجة				الاختبار	المقرر
	إكلينيكي	عملي	نظري	تحريري		
٢٠٠			١٠٠	١٠٠	اختبار تحريري مدته ثلاث ساعات + اختبار شفهي	فسيولوجي
٢٠٠			١٠٠	١٠٠	اختبار تحريري مدته ثلاث ساعات + اختبار شفهي	باثولوجي
٢٠٠			١٠٠	١٠٠		علم النفس
٦٠٠	إجمالي الدرجة					

#### Second part

إجمالي	الدرجة				الاختبار	المقرر
	عملي	إكلينيكي	نظري	تحريري		
		١٠٠	١٠٠	١٠٠	اختباران تحريريان مدة كل	مادة الطب



				+	منسما ثلاثة ساعات + اختبار	النفسى
				100	حالة	
				+	+ اختبار شفهي + اختبار	
				50	إكلينيكي	
٤٥٠						إجمالي الدرجة

Third part: Thesis: pass or fail according to the committee decision and approved by department council , Faculty council and University council

Evaluation of Program:

١٠ - طرق تقويم البرنامج :

Evaluator	Tools	Sample
Internal evaluator (s) مقيم داخلي	Focus group discussion Meetings	Report ٢-1
External Evaluator (s) مقيم خارجي	Reviewing according to external evaluator checklist report of NAQAA.	1-2 Report
Senior student (s) طلاب السنة النهائية	مقابلات , استبيان	جميع الطلبة
Alumni الخريجون	مقابلات , استبيان	معيمة لا تقل عن ٥٠% من طلبة آخر ٣ دفعات
Stakeholder (s) أصحاب العمل	مقابلات , استبيان	معيمة ممثلة لجميع جماعات العمل
Others طرق أخرى	None	

١١ : استراتيجيات التعليم و التعلم علي مستوي البرنامج:

١. استراتيجية التعلم النشط. Active learning

٢. استراتيجية التعليم المبني على النتائج. Outcome-based learning

٣. استراتيجية التعليم المبني على حل المشكلات. Problem-based learning

المسئول عن البرنامج : ا.د. حسين الشيخ التوقيع حسين الشيخ التاريخ: ٢٠١٣/٩/٨



## Faculty of Medicine

### Department of Neuropsychiatry

#### Course Specification

**Course title: Psychopathology**

**(Code) PSYC 705-706**

**Academic Year (2013 - 2014)**

#### **A) Basic Information:**

- **Department offering the course: Neuropsychiatry**
- **Academic year of M.B.& B.Ch. program: second part**
- **Date of specification approval: Department council date 8-9-2013**
- **Allocated marks: 200 marks**
- **Course duration: 20 weeks of teaching**
- **Teaching hours: 2 hours/week= 40 total teaching hours**

	<b>Hours / week</b>	<b>Total hours</b>
<b>1- Lectures</b>	<b>1</b>	<b>20</b>
<b>3- Practical</b>	<b>1</b>	<b>20</b>
<b>Total</b>	<b>2</b>	<b>40</b>

#### **B- Professional Information**

##### **1. Overall Aims of Course**

By the end of the course the students should be able to have the professional knowledge of the Psych-Pathology of medical diseases.



## **2. Intended Learning Outcomes of Course (ILOs):**

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

By the end of the course the student should be able to:

- a.1 discuss the concepts and meanings of various psychological terms .
- a.2 identify the known and recent theories explaining the etiology and underlying psychopathology in various psychiatric disorders.
- a.3 Explain the rationale underlying various methods psychotherapy as treatment in psychiatric disorders.
- a.4 explain the views of various contributors in field of psychology to explain psychiatric disorders.

### **b- Intellectual Skills:**

By the end of the course the student should have the ability to:

- b.1- Analyze symptoms & signs of psychiatric abnormalities to understand the underlying psychopathology
- b.2- Interpret data acquired through history taking on bases of psychological and psychopathological backgrounds.
- b.3- Identify the main underlying psychopathology for psychiatric problems and apply the proper psychotherapeutic approach to correct it.

### **c- Professional and Practical Skills:**

By the end of the course the student should have the ability to:

- c.1- Master basic and modern professional clinical skills in the area of psychiatry and related science .
- c.2- apply medical education programs about the various psychopathological explanation of psychiatric illnesses and how to apply that in case management.



#### **d- General and Transferable Skills:**

By the end of the course the student should have the ability to:

d.1- present reports and data in seminars effectively

d.2-use appropriate computer program package to collect ,write and present data.

d.3- Teach others and evaluate their performance on understanding and applying psychopathological explanation in case management of psychiatric cases.

#### **3. Course contents:**

- Introduction
- Theoretical approaches of psychiatric disorders in psychology
  - Psychoanalytical approach
  - Ego theory
  - Object-relation theory
  - Cognitive theory
  - Social learning theory
  - others
- Psychopathology of :
  - Axis I disorders:
    - Schizophrenia
    - Mood disorders (Depression and mania)
    - Anxiety disorders (OCD, phobia...ect.)
    - Eating disorders (anorexia nervosa)
    - Sexuality disorders
    - Other topics
  - Personality disorders:
    - Type A personality disorders:





- Type B personality disorders:
- Type C personality disorders:

#### **4. Teaching and Learning Methods**

- 4.1. Modified Lectures and discussion, practical sessions .
- 4.2. Internet navigation and report preparation.

#### **5. Student Assessment Methods**

- 5.1. Written examination to assess knowledge & understanding.
- 5.2. Oral examination to assess understanding & attitude.
- 5.3. Observation of attendance and absenteeism.

#### **Assessment Schedule**

Assessment 1. Written examination

Assessment 2. Oral examination

Assessment 3. Attendance and absenteeism

#### **Weighting of Assessments**

Final-term Examination % 50%

Oral Examination % 30%

Practical Examination & attendance and absenteeism % 20%

Total 100%

#### **6- List of References**

6.1- Course Notes:

6.2- Essential Books (Text Books):

6.3- Recommended Books:

6.4- Periodicals,

Web Sites:

#### **7- Facilities Required for Teaching and Learning**



1. 1-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
2. TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.
3. COMPUTER PROGRAM: for designing and evaluating MCQs

**Course Coordinator: Pro Dr.victor sami**

**Head of Department: Pro Dr.victor sami**



**Benha University**  
**Faculty of Medicine**  
**Department of Pathology**

**Course Specifications**

**Course title: Human Pathology: Doctorate degree Of psychiatry**

**(Code): (PSYC 702-703)**

**Academic Year (2013-2014)**

**A) Basic Information:**

- **Department offering the course:** Pathology Department
- **Academic year of MSc program:**2013-2014
- **Academic level :** First part
- **Date of specification approval:** Department council date 8/9/2013
- **Allocated marks:** 200 marks
- **Course duration:** 22 weeks of teaching
- **Teaching hour** 2 hours/week = 44 total teaching hours

	<b>Hours /other week</b>	<b>Total hours</b>
<b>1- Lectures</b>	<b>1</b>	<b>22</b>
<b>3- Practical</b>	<b>1</b>	<b>22</b>
<b>Total</b>	<b>2</b>	<b>44</b>

**B) Professional Information:**

**1- Overall Aim of the Course:**

The overall aims of the course are:

- 1.1. Application of basic pathological knowledge essential for the practice of psychiatry.
- 1.4. Awareness of the running problems as early tumor detection and diagnosis of system.



- 1.5. Diagnosis of practical problems as cases study and clinical assessments

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

### **2.a. Knowledge and understanding:**

*By the end of the course, students should be able to:*

- 2.a.1. identify the diseases in neuropsychiatry
- 2.a.2. discuss etiology: risk factors and causes of the diseases
- 2.a.3. describe macroscopic and microscopic picture of the common psychiatric cases.
- 2.a.4. Describe the clinical manifestations and differential diagnosis of common psychiatric cases.

### **2.b. Intellectual Skills:**

*By the end of the course, students should be able to:*

- 2.b.1. Analyze, solve problem and make decision skills necessary for proper evaluation and management.
- 2.b.2. Evaluate the risky problems that could be met during taking biopsies.
- 2.b.3. Combine the clinical and investigational database to be proficient in clinical problem solving.
- 2.b.4. Plan for performance development in his practice
- 2.b.5. Select the most appropriate and cost effective diagnostic procedures for each problem.
- 2.b.6. Formulate of research hypothesis & questions.

### **2.c. Practical and Clinical Skills:**

*By the end of the course, students should be able to:*

- 2.c.2. detect all important pathological aspects for early cancer.
- 2.c.3. Perform the gross examination and describe the findings of psychiatric cases.



2.c.4. Diagnose and manage different cases

2.c.5. Evaluate reports like cancer assessment report, cytological report and immune-histochemical report.

2.c.6. Apply different technical skills in his special practice

**2.d. General and transferable Skills:**

*By the end of the course, students should be able to:*

2.d.1. Work effectively as a member or a leader of an interdisciplinary team and

2.d .2. put rules & regularities for evaluation of performance of others.

2.d.3. Establish life-long self-learning required for continuous professional development

2.d.4. Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

2.d .5. Do self criticism. .

2.d.6. Retrieve, manage, and manipulate information by all means, including electronic means.

**3- Course contents:**

Topic	Number of hours		
	Total	Lectures	Practical/ small
<b>General Pathology</b>	<b>15Hrs</b>	<b>5hrs</b>	<b>10hrs</b>
1-Cell response to injury, Stem cells and repair, Tissue deposits& Inflammation ,Granulomas ,Viral diseases	5	2	3
2-Disturbance of growth Neoplasia, Developmental and genetic diseases	4	1	3
3-Circulatory disturbances, Radiation Basic imunopathology	3	1	2



4-Diagnostic methods in pathology	3	1	2
<b>Special Pathology</b>	<b>30hrs</b>	<b>10hrs</b>	<b>20</b>
1-Normal brain & cellular response to injury	5	2	3
2-Demelinating diseases	5	2	3
3-Cerebrovascular diseases	4	1	3
4-Degenerative diseases:	4	1	3
5-pathological changes of brain in neurotic and psychotic disorders	5	2	3
6-Tumors of brain	7	2	5
	<b>45</b>	<b>15</b>	<b>30</b>

### **3-A) TOPICS:**

1. General pathology
2. Special pathology
3. Diagnostic methods

### **III-B) PRACTICAL CLASSES:**

- 1- General pathology jars & slides
- 2- Special pathology jars & slides

### **4- Teaching and learning methods:**

#### **METHODS USED:**

- 1- modified lectures & interactive learning.
- 2- Practical sessions
  - a) Histopathology slide lab
  - b) Museum of pathology.

#### **TEACHING PLAN:**

##### ***Lectures:***

*one lecture /other week, Time from 10 o'clock to 12/13 o'clock.*

*Practical classes: one /other week, Time from 10 o'clock to 12/13 o'clock*



#### 4- Teaching and learning methods:

##### METHODS USED:

- |                      |
|----------------------|
| 1. Modified Lecture  |
| 2. Practical classes |

##### TEACHING PLAN:

*Lectures*

*Practical classes*

##### Time plan:

Item	Time schedule	Teaching hours	Total hours
Lectures	<u>1to2 hours/other week</u>	15	1
Practical	<u>2to3 hours/other week</u>	30	1
<b>Total</b>	<b>22 weeks</b>	<b>45</b>	<b>2</b>

#### 5- Students Assessment methods:

5-A) ATTENDANCE CRITERIA: Faculty bylaws

##### 5-B) Assessment Tools:

Tool	Purpose (ILOs)
Written examination	To assess knowledge, understanding & intellectual skills
Oral examination	To assess knowledge understanding & attitudes
Practical examination	To assess professional and practical skills

5-C) TIME SCHEDULE: Faculty bylaws

##### 5-D) Weighting System:

Examination	Marks allocated	% of Total Marks
a- Written		50%
b- Practical		30%
c- Oral		20%
<b>Total</b>		<b>100%</b>

- The minimum passing & Passing grades (Faculty bylaws).

##### 5-E) Examinassions description:

Examination	Description
5- Final exam: a- Written	select (MCQs) & Supply (Short essay) questions identify and write reports for slides and jars with short



b- Practical	questions related to the session two sessions
c- Oral	
<b>Total</b>	

## **6- List of references:**

### 6-1- Course notes

- 1- Departmental books of General and Special histopathology, available in secretary office.
- 2- Handouts updated, administered by staff members
- 3- Museum notebook.
- 4- CDs for histopathological slides and museum specimens are available at the department.

### 6.2- Essential books (text books)

- lever's pathology of dermatologic diseases.2010
- Rosai and Ackerman's Surgical Pathology Juan Rosai, Mosby 2004
- Sternberg's Diagnostic surgical Pathology 4<sup>U1</sup> edition, Lippincott Williams and Wilkins
- Kumar V ,Abbas AK ,Fausto N:Robbins and Cotran Pathologic Basis of Disease ,7<sup>th</sup> ed.;2005, Elsevier Saunders. Available at faculty bookshops & main library.

### 6.3- Periodicals, Web sites, ... etc

### 6.3- Periodicals, Web sites, ... etc

<http://www.pathmax.com/> <http://www-medlib.med.utah.edu/WebPath/LABS/LABMENU.html#2>  
<http://www.med.uiuc.edu/PathAtlas/titlePage.html>  
<http://www.medscape.com/pathologyhome>  
[http://www.gw\\_hyperlink](http://www.gw_hyperlink) <http://umc.edu/dept/path/2>  
[umc.edu/dept/path/2F](http://umc.edu/dept/path/2F)

## **7- Facilities required for teaching and learning**

1. Data show
2. Overhead projector
3. Museum specimens
4. Projector slides covering available slides in slide box
5. surgical specimens

**Course coordinator: Prof. Dr. Hala Adel Agina**

**Head of Department: Prof. Dr. Abdelateef Mohamed Elbalshy**

**Date: 9 /2013**





## Benha University

Faculty of Medicine.

Department of physiology.

### Course Specifications

For doctorate degree in neuropsychiatry Academic Year (2013 – 2014)

#### A- Basic Information

**Code: NEURO 701**

**Course title: PHYSIOLOGY**

**Department offering the course: PHYSIOLOGY**

**Date of specification approval:** department council date 8/9/2013

**Allocated marks:** 200 marks.

**Course duration:** 15 weeks of teaching.

**Teaching hours:** 1 credit hour .

credit hours / week = 45hrs total teaching hours.

	Hours / week	Total hours
<b>1- Lectures</b>	<b>3hr/week for 15 weeks</b>	<b>45 hrs</b>

#### B- Professional Information

##### 1 – Overall Aims of Course

1.1. approaching to the detailed knowledge of human physiology.

1.2. Facilitate understanding the clinical data for the student in the clinical practice.

1.3. Develop skills associated with improved health care and health care services.

1.4. Basic scientific knowledge essential to practice medicine at the primary level of health, dealing with health problems commonly met-within clinical practice.

1.5. Basic scientific knowledge essential for establishing & maintaining good doctor/ patient relationship.

1.6. Basic scientific knowledge essential for following the rules of medical ethics .



- 1.7. Diagnostic, problem solving and decision making as well as communication skills necessary for proper evaluation and management of health problems.
- 1.8. Life long learning competencies necessary for continuous professional development.
- 1.9. Research education as related to medical practice & post graduation development

## **2– Intended learning outcomes of course (ILOs)**

### **2.1- Knowledge and understanding:**

By the end of this course, students should be able to:

- 2.1- List according to priority the main functions of systems, organs and cells.
- 2.2- Explain and describe the basic and detailed physiological processes in correct medical terms and in correct order.
- 2.3- Memorize important physiological definitions and laws.
- 2.4-explain the different mechanisms of homeostasis and how to use it in applied physiology.
- 2.5- approaching to the detailed knowledge of physiology in relation of neurology and psychiatry.

### **2.2- Intellectual skills:**

By the end of this course, students should be able to:

- 2.2.1- Identify deviations from the normal physiology and its effects.
- 2.2.2- Interpret clinical manifestations into physiological data.
- 2.2.3- Illustrate physiological information in the form of simplified diagrams with complete data on it.
- 2.2.4- Interconnect different branches of physiology to that of neurology and psychiatry.
- 2.2.5- Analyze any physiological curve related to neurology and psychiatry.
- 2.2.7- analyze and summarize updated physiological information.

### **2.3- Professional and practical skills:**

By the end of this course, students should be able to:

- 2.3.1- Perform efficiently the appropriate steps and procedures in measuring pulse, respiratory rate and arterial blood pressure.
- 2.3.2- asses acid base and electrolyte balance.
- 2.3.3- interpret different laboratory tests as isolated perused heart
- 2.3.4- asses pulmonary function tests
- 2.3.5- record intestinal motility in animals under various conditions.
- 2.3.6- asses skeletal and smooth muscle contraction
- 2.3.7- study and read ECG papers.



2.3.8 Describe the normal structure and function of the human body and mind at the molecular, biochemical, cellular, levels (including the principles of genetics), to maintain the body homeostasis.

2.3.9- Perform tests showing the molecular, biochemical, and cellular mechanisms that are important in maintaining the body's homeostasis.

2.3.10- Demonstrate the functions of the body and its major organ systems that are seen in neurology and psychiatry diseases and conditions.

2.3.11- Perform routine technical procedures; diagnostic and therapeutic (including life support).

#### **2.4.- General and transferable skills**

By the end of this course, students should be able to:

2.4.1- deal properly and cautiously in a lab with a team.

2.4.2- Use the sources of biomedical information to remain current with the advances in knowledge & practice.

### **3- Contents**

***Nervous system***(comprehension of the following)

1-Sensory receptors.

2-The neural synapse and neurotransmitters.

3-Somatic sensations.

3-Pain control system

4-Motor functions of the spinal cord.

5-Spinal cord lesions.

6-Muscle spindle and golgi tendon organs and their role in muscle control.

7-Muscle tone , and tendon jerks.

8-Mechanism of muscle contraction.

9-Pyramidal and extrapyramidal tracts.

10The vestibular apparatus.

11-The cerebellum.

12-The basal ganglia

13-The hypothalamus.

14-Sleep

15-Learning and memory.

***Cardiovascular system***(comprehension of the following)

1-Cerebral circulation.

2-Regulation of arterial blood pressure.



### 3-Hemorrhage and shock

**Blood**(comprehension of the following)

1-Anemias.

**Introduction**(comprehension of the following)

1-Hemostasis

**Respiratory system**(comprehension of the following)

1-Regulation of respiration

### **Nerve, and Muscle**

1. Membrane Potentials and Action Potentials

2. Contraction of Skeletal Muscle

3. Excitation of Skeletal Muscle: Neuromuscular

Transmission and Excitation-Contraction Coupling

4. Contraction and Excitation of Smooth Muscle.

### **4- Teaching and learning methods:**

#### **4.1.methods used**

4.1-1.General lectures

4.1.2.tutorial

4,1.3.-seminares

4,1.4-confrences

#### **4-2-teaching plan**

#### **Time plain:**

<b>Item</b>	<b>Time schedule</b>	<b>Teaching hours</b>
Lectures	1Time/week  (each time 3hours)	<b>45hours</b>



## 5- Student assessment methods:

### 5-a) Assessment TOOLS:

Tool	Purpose (ILOs)
Written examination	To assess knowledge, understanding, including MCQs and problem solving
Oral examination	To assess understanding and stability of knowledge given, attitude and presentation.

### 5-b) TIME SCHEDULE:

Exam	Week
5- Final exam	at end of second term (May-June)

### 5-c-Assessment time schedule

Assessment 1... Written and oral

### 5-d-weighting system ( formative or summative).

#### D) Weighting System:

Examination	Marks allocated	% of Total Marks
2- Final exam:		
a- Written	100	50%
b- Oral	100	50%
<b>Total</b>	<b>200</b>	<b>100%</b>

## FORMATIVE ASSESSMENT:

### 5-E) Examination description:

Examination	Type	Description
Final Examination	1. Written	written paper composed of short essay-type questions, long essay.
	3. Oral	One oral examination station with 2 staff members (10-15 minutes: 4-5 questions)

## 6- List of references

6.1- Course notes

Theoretical and practical books are available from faculty bookshops.



## 6.2- Essential books (text books)

Poul-Erik Paulev(2007): Medical Physiology And Pathophysiology Essentials and clinical problems.

## 6.3- Recommended books

Poul-Erik Paulev (2009): ): Medical Physiology Textbook

6.4- Guyton 2008

6.5-ganong 2008

6.3- Periodicals, Web sites, ... etc

[www.jap.physiology.org](http://www.jap.physiology.org).

[www.physiologyonline.physiology.org/cgi/content](http://www.physiologyonline.physiology.org/cgi/content)

## 7- Facilities required for teaching and learning

1. Data show.
2. Overhead projector.

**Course coordinator:** Prof. Alaa Elteleis

**Head of Department:** Prof. Alaa Elteleis

**Date:** 9/2013



## **الملحقات :**

ملحق ١ : Academic standard of the program

ملحق ٢ : المعايير القياسية العامة للدراسات العليا الصادرة عن الهيئة.

ملحق ٣ : مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية للدراسات العليا الصادرة عن الهيئة.

ملحق ٤ : مصفوفة البرنامج مع المعايير الأكاديمية للبرنامج.

ملحق ٥ : مصفوفة المقررات مع البرنامج Program-Courses ILOs Matrix

ملحق ٦ : توصيف المقررات

## **Program courses**

<b>First part</b>
1 - Psychology&psychopathology
2- physiology
3- pathology
<b>Second part</b>
1- Psychiatry



## ملحق ١

جامعة بنما

كلية الطب

قسم الأمراض العصبية و الطب النفسي

## وثيقة المعايير الأكاديمية المرجعية لبرنامج الدكتوراة للطب النفسي

### Graduate Attribute

- 1-Demonstrate competency of basics, methods and tools of scientific research and clinical practice in Psychiatry.
- 2-Appraise and utilize scientific knowledge to continuously update and improve clinical practice in relevant to Psychiatry.
- 3-Acquire excellent medical knowledge in basics biomedical, clinical sciences and medical ethics.
- 4-Apply knowledge to improve patient care in field of Psychiatry.
- 5-Continue for life-long learning of Psychiatry to add knowledge with learning one of subspecialties through researches and publications.
- 6-Develop an evidence-based approach to the study of psychiatry.
- 7- Identify and create solutions for health problems in his community and share in system-based improvement of health care.
- 8-Demonstrate interpersonal skills that ensure effective information exchange with the patients and their families and with other health professions, the scientific community and the public.
- 9-Deal with common health problems with health promotion using Evidence –based medicine and updated information.
- 10-Function as a supervisor and leader in relation to colleges, medical students and health professions





11- Use recent technologies to improve practice in the field of Psychiatry.

12-Master decision making capabilities in different situations relevant to Psychiatry

13-Show model attitude and professionalism

14-Integrate with larger context of health care system, as health care organization

15-Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care.

16-Commit to continuous self development and transfer of his medical experience to others

17-Manage effectively available resources, planning to increase it, and develop new resources

18-Perfect large scale of professional skills in diagnosis and treatment of psychiatric diseases.

## 2-Academic Standard

### 2.2.Knowledge and understanding:

*By the end of Doctorate program the graduate should recognize and understand the followings:*

2.1.1. The theories and principles, bases and updates of psychiatry diseases at physiological, pathological, and clinical levels with epidemiological and medical, socio-behavioral sciences relevant to psychiatry.

2.1.2. The principles, methods, ethics, and various tools of scientific medical and clinical researches of psychiatry thesis.

2.1.3. The ethical and legal principles of medical and professional practice relevant to psychiatry practice.



- 2.1.4. The principles of quality assurance in medical practice
- 2.1.5. The effect of medical practice on surrounding environment, and how to develop and protect environment.
- 2.1.6. Principles and efforts for improvement of public health.

## **2.2 Intellectual skills:**

*By the end of Doctorate program, graduate should be able to recognize the followings.*

- 2.2.1 Analysis, and evaluation of medical information of psychiatric diseases to elicit new conclusions.
- 2.2.2. Planning for performance improvement in psychiatry
- 2.2.3. Evaluation of medical research to add new to psychiatry
- 2.2.4. Problem solving based on available data
- 2.2.5. Risk evaluation in medical practice relevant to psychiatry.
- 2.2.6. Making professional medical decisions according to different situations when facing medical problem (during clinical training course).
- 2.2.7. Innovation of solutions to medical problems in psychiatry (suggest innovative scenarios for controlling psychiatric diseases)
- 2.2.8. Argument, and discussion of medical issues on evidence based manner.
- 2.2.9. Involvement in research studies in psychiatry.

## **2.3. Practical/Professional skills**

*By the end of Doctorate program, graduate should accept the followings skills.*

- 2.3.1. Master basic and modern professional clinical skills in the area of psychiatry and related sciences.
- 2.3.2. Write professional and competent medical reports.



- 2.3.3 - Evaluate & professionally judge and criticize medical reports.
- 2.3.4- Evaluate and develop methods and tools existing in the area of psychiatry
- 2.3.5- Perform different therapeutic tools in psychiatry (e.g ECT, psychotherapy, ect).
- 2.3.6 Train junior staff through continuous medical education programs
- 2.3.7- Design new methods, tools and ways of professional practice.
- 2.3.8. Extensive level of patients care for non routine complicated patients under difficult circumstances while demonstrating effective care.

#### **2.4.General and transferable skills.**

By the end of Doctorate program, graduate should accept the following skills:

- 2.4.1. Participate in improvement of educational system
- 2.4.2. Use information technology to serve the development of professional practice.
- 2.4.3. Assessment and identification of personal learning needs.
- 2.4.4. Competently use all sources to obtain information and knowledge
- 2.4.5. Rules and indications for assessing performance of others.
- 2.4.6. Work in a team, and team's leadership in various professional contexts
- 2.4.7. Self and continuous learning abilities
- 2.4.8. Mange time and practice team working

المعهد مجلس القسم بتاريخ ٢٠١٣ / ٦./٩

رئيس القسم: أ.د. فيكتور سامي ميخائيل

المعهد مجلس الكلية ٣٥٤: ٢٠١٣ / ٦/١٦



## ملحق (٢)

### ثالثا : برامج الدكتوراة

#### ١ - مواصفات الخريج :

- خريج برنامج الدكتوراة فى اى تخصص يجب ان يكون قادرا على
- ١-١ اتقان اساسيات ومنهجيات البحث العلمى
  - ٢-١ العمل المستمر على الاضافة للمعارف فى مجال التخصص
  - ٣-١ تطبيق المنهج التحليلى والناقد للمعارف فى مجال التخصص والمجالات ذات العلاقة
  - ٤-١ -٤ دمج المعارف المتخصصة مع المعارف ذات العلاقة مستنبطا ومطورا للعلاقات البينية بينها
  - ٥-١ اظهار وعيا عميقا بالمشاكل الجارية والنظريات الحديثة فى مجال التخصص
  - ٦-١ تحديد المشكلات المهنية وايجاد حلولاً مبتكرة لحلها
  - ٧-١ اتقان نطاقا واسعا من المهارات المهنية فى مجال التخصص
  - ٨-١ التوجه نحو تطوير طرق وادوات واساليب جديدة للمزاولة المهنية
  - ٩-١ استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسة المهنة
  - ١٠-١ التواصل بفاعلية وقيادة فريق عمل فى سياقات مهنية مختلفة
  - ١١-١ اتخاذ القرار فى ضل المعلومات المتاحة
  - ١٢-١ توظيف الموارد المتاحة بكفاءة وتنميتها والعمل على ايجاد موارد جديدة
  - ١٣-١ الوعى بدوره فى تنمية المجتمع والحفاظ على البيئة
  - ١٤-١ التصرف بما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة
  - ١٥-١ الالتزام بالتنمية الذاتية المستمرة ونقل علمه وخبراته للآخرين

#### ٢ - المعايير القياسية

- ١-٢ المعرفة والفهم
- بانتهاى دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على الفهم والدراسة بكل من
- ١-٢-١ النظريات والاساسيات والحديث من المعارف فى مجال التخصص والمجالات ذات العلاقة
  - ٢-١-٢ اساسيات ومنهجيات واخلاقيات البحث العلمى وادواته المختلفة
  - ٣-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية فى مجال التخصص
  - ٤-١-٢ مبادئ واساسيات الجودة فى الممارسة فى مجال التخصص
  - ٥-١-٢ المعارف المتعلقة بأثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها
- ٢-٢ المهارات الذهنية
- بانتهاى دراسة برنامج الدكتوراه يجب ان يكون الخريج قادرا على
- ١-٢-٢ تحليل وتقييم المعلومات فى مجال التخصص والقياس عليها والاستنباط منها
  - ٢-٢-٢ حل المشاكل المتخصصة استنادا على المعطيات المتاحة
  - ٣-٢-٢ اجراء دراسات بحثية تضيف الى المعارف
  - ٤-٢-٢ صياغة أوراق علمية
  - ٥-٢-٢ تقييم المخاطر فى الممارسات المهنية



- ٦-٢-٢ التخطيط لتطوير الاداء فى مجال التخصص
- ٧-٢-٢ اتخاذ القرارات المهنية فى سياقات مهنية مختلفة
- ٨-٢-٢ الابتكار/الابداع
- ٩-٢-٢ الحوار والنقاش المبنى على البراهين والادلة

### ٣-٢ المهارات المهنية

- بانتهاء دراسة برنامج الدكتوراه يجب ان يكون الخريج قادرا على
- ١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة فى مجال التخصص
- ٢-٣-٢ كتابة وتقييم التقارير المهنية
- ٣-٣-٢ تقييم وتطوير الطرق والادوات القائمة فى مجال التخصص
- ٤-٣-٢ استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية
- ٥-٣-٢ التخطيط لتطوير الممارسة المهنية وتنمية اداء الاخرين

### ٤-٢ المهارات العامة والمنتقلة

- بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على
- ١-٤-٢ التواصل الفعال بأنواعه المختلفة
- ٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية
- ٣-٤-٢ تعليم الاخرين وتقييم ادائهم
- ٤-٤-٢ التقييم الذاتى والتعليم المستمر
- ٥-٤-٢ استخدام المصادر المختلفة للحصول على المعلومات والمعارف
- ٦-٤-٢ العمل فى فريق وقيادة فرق العمل
- ٧-٤-٢ ادارة اللقاءات العلمية والقدرة على ادارة الوقت



ملحق 3: مصفوفة المعايير الأكاديمية للبرنامج مع المعايير القياسية للدراسات العليا الصادرة عن الهيئة

- مواصفات الخريج:

مواصفات الخريج بالمعايير الأكاديمية للبرنامج	مواصفات الخريج بالمعايير القياسية للدراسات العليا (درجة الدكتوراة)
1-Demonstrate competency of basics, methods and tools of scientific research and clinical practice in Psychiatry.	١-١-٢ اتقان اساسيات ومنهجيات البحث العلمى
5-Continue for life-long learning of Psychiatry to add knowledge with learning one of subspecialties through researches and publications. 3-Acquire excellent medical knowledge in basics biomedical, clinical sciences and medical ethics	١-٢-٢ العمل المستمر على الاضافة للمعارف فى مجال التخصص
2-Appraise and utilize scientific knowledge to continuously update and improve clinical practice in relevant to Psychiatry	١-٢-٣ تطبيق المنهج التحليلى والناقد للمعارف فى مجال التخصص والمجالات ذات العلاقة
14-Integrate with larger context of health care system, as health care organization.	١-٢-٤ دمج المعارف المتخصصة مع المعارف ذات العلاقة مستنبطاً ومطوراً للعلاقات البينية بينها
9-Deal with common health problems with health promotion using Evidence –based medicine and updated information.	١-٢-٥ اظهار وعيا عميقا بالمشاكل الجارية والنظريات الحديثة فى مجال التخصص
7- Identify and create solutions for health problems in his community and share in system-based improvement of health care.	١-٢-٦ تحديد المشكلات المهنية وايجاد حلولاً مبتكرة لحلها
18-Perfect large scale of professional skills in diagnosis and treatment of psychiatric diseases	١-٢-٧ اتقان نطاقاً واسعاً من المهارات المهنية فى مجال التخصص
4-Apply knowledge to improve patient care in field of Psychiatry. 6-Develop an evidence-based approach to the study of psychiatry.	١-٢-٨ التوجه نحو تطوير طرق وادوات واساليب جديدة للمزاولة المهنية



11- Use recent technologies to improve practice in the field of Psychiatry	٩-١-٢ استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسة المهنة
8-Demonstrate interpersonal skills that ensure effective information exchange with the patients their families and with other health professions, the scientific community and the public.	١٠-١-٢ التواصل بفاعلية وقيادة فريق عمل في سياقات مهنية مختلفة
12-Master decision making capabilities in different situations relevant to Psychiatry	١١-١-٢ اتخاذ القرار في ظل المعلومات المتاحة
17-Manage effectively available resources, planning to increase it, and develop new resources	١٢-١-٢ توظيف الموارد المتاحة بكفاءة وتنميتها والعمل على ايجاد موارد جديدة
15-Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care.	١٣-١-٢ الوعي بدوره في تنمية المجتمع والحفاظ على البيئة
13-Show model attitude and professionalism	١٤-١-٢ التصرف بما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة
10-Function as a supervisor and leader in relation to colleges, medical students and health professions 16-Commit to continuous self development and transfer of his medical experience to others	١٥-١-٢ الالتزام بالتنمية الذاتية المستمرة ونقل علمه وخبراته للآخرين

#### أ - المعرفة والفهم:

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة للدراسات العليا (درجة الدكتوراة) (ARS)
<i>By the end of Doctorate program, the candidate recognize and understand the followings:</i> 2.1.1. The theories and principles, bases and updates of psychiatry diseases at physiological, pathological, and clinical levels with epidemiological and medical, socio-behavioral sciences relevant to psychiatry.	بأنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج على فهم ودراية بكل من : ١-١-٢ النظريات والاساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة



2.1.2. The principles, methods, ethics, and various tools of scientific medical and clinical researches of psychiatry thesis.	٢-١-٢ اساسيات ومنهجيات واخلاقيات البحث العلمى وادواته المختلفة
2.1.3. The ethical and legal principles of medical and professional practice relevant to psychiatry practice.	٣-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية فى مجال التخصص
2.1.4. The principles of quality assurance in medical practice	٤-١-٢ مبادئ واساسيات الجودة فى الممارسة فى مجال التخصص
2.1.5. The effect of medical practice on surrounding environment, and how to develop and protect environment.	٥-١-٢ المعارف المتعلقة بأثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها
2.1.6. Principles and efforts for improvement of public health	

ب - القدرات الذهنية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة للدراسات العليا (ARS) (درجة الدكتوراة)
<i>By the end of doctorate program, candidate should be able to recognize the followings:</i> 2.2.1 Analysis, and evaluation of medical information of psychiatric diseases to elicit new conclusions	بانتهاج دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على : ١-٢-٢ تحليل وتقييم المعلومات فى مجال التخصص والقياس عليها والاستنباط منها
2.2.4. Problem solving based on available data	٢-٢-٢ حل المشاكل المتخصصة استنادا على المعطيات المتاحة
2.2.3. Evaluation of medical research to add new to psychiatry	٣-٢-٢ اجراء دراسات بحثية تضيف الى المعارف
2.2.9. Involvement in research studies in psychiatry.	٤-٢-٢ صياغة أوراق علمية
2.2.5. Risk evaluation in medical practice relevant to psychiatry.	٥-٢-٢ تقييم المخاطر فى الممارسات المهنية





2.2.2. Planning for performance improvement in psychiatry	٦-٢-٢ التخطيط لتطوير الاداء فى مجال التخصص
2.2.6. Making professional medical decisions according to different situations when facing medical problem (during clinical training course).	٧-٢-٢ اتخاذ القرارات المهنية فى سياقات مهنية مختلفة
2.2.7. Innovation of solutions to medical problems in psychiatry (suggest innovative scenarios for controlling psychiatric diseases)	٨-٢-٢ الابتكار/الابداع
2.2.8. Argument, and discussion of medical issues on evidence based manner.	٩-٢-٢ الحوار والنقاش المبني على البراهين والادلة

### ج. مهارات مهنية وعملية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة للدراسات العليا (درجة الدكتوراة) (ARS)
<p><i>By the end of Doctorate program, candidate should accept the followings skills:</i></p> <p>2.3.1. Master basic and modern professional clinical skills in the area of psychiatry and related sciences.</p> <p>.3.8. Extensive level of patients care for non routine complicated patients under difficult circumstances while demonstrating effective care</p>	<p>بانتهاى دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على :</p> <p>١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة فى مجال التخصص</p>
2.3.2. Write professional and competent medical report	٢-٣-٢ كتابة وتقييم التقارير المهنية
2.3.4- Evaluate and develop methods and tools existing in the area of psychiatry	٣-٣-٢ تقييم وتطوير الطرق والادوات القائمة فى مجال التخصص
2.3.3 - Evaluate & professionally judge and	



criticize medical reports	
2.3.5- Perform different therapeutic tools in psychiatry (e.g ECT, psychotherapy, ect) 2.3.7- Design new methods, tools and ways of professional practice.	٢-٣-٤ استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسة المهنة
2.3.6 Train junior staff through continuous medical education programs	٢-٣-٥ التخطيط لتطوير الممارسة المهنية وتنمية اداء الاخرين

د . مهارات عامة و منتقلة :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة لدراسات العليا (ARS)(درجة الدكتوراة)
2.4.1. Participate in improvement of educational system	٢-٤-١ بانتهاء دراسة برنامج الدكتوراة يجب ان يكون الخريج قادرا على : التواصل الفعال بأنواعه المختلفة
2.4.2. Use information technology to serve the development of professional practice	٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم تطوير الممارسة المهنية
2.4.5. Rules and indications for assessing performance of others	٢-٤-٣ تعليم الاخرين وتقييم ادائهم
2.4.7. Self and continuous learning abilities 2.4.3. Assessment and identification of personal learning needs	٢-٤-٤ التقييم الذاتي والتعليم المستمر
2.4.4. Competently use all sources to obtain information and knowledge	٢-٤-٥ استخدام المصادر المختلفة للحصول على المعلومات والمعارف
2.4.6. Work in a team, and team's leadership in various professional contexts	٢-٤-٦ العمل في فريق وقيادة فرق العمل
2.4.8. Mange time and practice team working	٢-٤-٧ ادارة اللقاءات العلمية والقدرة على ادارة الوقت



ملحق 4: مصفوفة مضاهاة المعايير الأكاديمية للبرنامج و أهداف و نواتج تعلم البرنامج

أهداف البرنامج	المعايير الأكاديمية للبرنامج (مواصفات الخريج):
1.2.	1.-Demonstrate competency of basics, methods and tools of scientific research and clinical practice in Psychiatry
1.1.	2Appraise and utilize scientific knowledge to continuously update and improve-clinical practice in relevant to Psychiatry
1.3.	3Acquire excellent medical knowledge in basics biomedical, clinical sciences and medical ethics
1.5.	4Apply knowledge to improve patient care in field of Psychiatry
1.2.	5Continue for life-long learning of Psychiatry to add knowledge with learning one of subspecialties
1.2.	6-Develop an evidence-based approach to the study of psychiatry.
1.7.	7- Identify and create solutions for health problems in his community and share in system-based improvement of health care.
1.3.	8-Demonstrate interpersonal skills that ensure effective information exchange with the patients and their families and with other health professions, the scientific community and the public
1.6.	9-Deal with common health problems with health promotion using Evidence based medicine and updated information
1.7.	10-Function as a supervisor and leader in relation to colleges, medical students and health professions
1.6.	11- Use recent technologies to improve practice in the field of Psychiatry
1.7.	12-Master decision making capabilities in different situations relevant to Psychiatry
1.5.	13-Show model attitude and professionalism
1.4.	14-Integrate with larger context of health care system, as health care organization



1.3.	15-Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care.
1.2.	16-Commit to continuous self development and transfer of his medical experience to others
1.7.	17-Manage effectively available resources, planning to increase it, and develop new resources
1.3.	18-Perfect large scale of professional skills in diagnosis and treatment of psychiatric diseases

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج	
المعرفة و الفهم											
	2.a.10	2.a.9	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2.		2.a.1.
						√	√	√	√	√	By the end of Doctorate program, the candidate should recognize and understand the followings: 2.1.1. The theories and principles, bases and updates of psychiatry diseases at physiological, pathological, and clinical levels with epidemiological and medical, socio-behavioral sciences relevant to psychiatry
					√						2.1.2. The principles, methods, ethics, and various tools of scientific medical and clinical researches of psychiatry thesis
	√										2.1.3. The ethical and legal principles of medical and professional practice relevant to psychiatry practice.



			√								2.1.4. The principles of quality assurance in medical practice
				√							2.1.5. The effect of medical practice on surrounding environment, and how to develop and protect environment.
		√									2.1.6. Principles and efforts for improvement of public health

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج المهارات الذهنية	
Intellectual skills											
			2.b.8	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2		2.b.1
										√	<i>By the end of Doctorate program, candidate should be able to recognize the followings:</i>
											2.2.1 Analysis, and evaluation of medical information of psychiatric diseases to elicit new conclusions.
							√				2.2.2. Planning for performance improvement in psychiatry
				√							2.2.3. Evaluation of medical research to add new to psychiatry
			√						√		2.2.4. Problem solving based on available data
						√					2.2.5. Risk evaluation in medical practice relevant to psychiatry.
							√				2.2.6. Making professional medical decisions according to different situations when facing medical problem (during clinical training course)



					√					2.2.7. Innovation of solutions to medical problems in psychiatry (suggest innovative scenarios for controlling psychiatric diseases)
					√					2.2.8. Argument, and discussion of medical issues on evidence based manner.
							√	√		2.2.9. Involvement in research studies in psychiatry

نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج المهارات المهنية	
Practical/Professional skills											
				2.c.7	2.c.6	2.c.5	2.c.4	2.c.3	2.c.2.		2.c.1.
						√				√	<i>By the end of Doctorate program, candidate should accept the followings skills:</i> 2.3.1. Meet the national requirements for Continuing Professional Development in the mental health profession within the region by providing a high quality program of clinical study
					√		√	√	√		Develop knowledge and understanding of social and psychological theories of human development and behavior and the theoretical underpinnings and etiology of mental illness with the ability to critically evaluate their relevance for clinical practice
				√							Develop critical understanding of the biological basis of nor



نواتج تعلم البرنامج										المعايير الأكاديمية للبرنامج	
General and transferable skill										المهارات العامة والمنتقلة	
			2.d.8	2.d.7	2.d.6	2.d.5	2.d.4	2.d.3	2.d.2.	2.d.1.	
											2.4.1. Participate in improvement of educational system
					√	√					2.4.2. Use information technology to serve the development of professional practice
									√		2.4.3. Assessment and identification of personal learning needs
				√							2.4.4. Competently use all sources to obtain information and knowledge
										√	2.4.5. Rules and indications for assessing performance of others
				√							2.4.6. Work in a team, and team's leadership in various professional contexts
								√			2.4.7. Self and continuous learning abilities
			√								2.4.8. Mange time and practice team working



ملحق (5) مصفوفة المعارف والمهارات للبرنامج الدراسي

المعارف Knowledge & Understanding										ILOs	
a.10	a.9	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2	2.a.1	Courses & codes	
■								■		psych601a	Basic Sciences as applied to psychiatry
■							■	■		psych 601b	Physiology
■						■				psych 602a	Clinical pathology
■						■				psych 602b	Clinical psychiatry
■						■				psych 602c	Adult psychiatry
■							■			psych 603	Addiction
■	■	■	■	■					■	psych 605	Child psychiatry
■	■	■	■	■				■		psych 06a	Clinical pathology
											Forensic psychiatry
											Thesis

مهارات ذهنية Intellectual Skills									ILOs	
2.b.8.	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2	2.b.1		Courses & codes	
						■	■		psych 601a	Physiology
						■			psych 601b	Clinical pathology
			■						psych 602a	Clinical psychiatry
			■						psych 602b	Adult psychiatry
			■						psych 602c	Addiction
						■			psych 03	Child psychiatry
							■	■	psych 604	Clinical pathology
■	■	■		■		■			psych 605	Forensic psychiatry
■	■	■		■		■	■		psych 606a	
		■					■	■	psych 606b	

مهارات عملية و مهنية Practical & Clinical Skills								ILOs	
	2.c.7.	2.c.6	2.c.5	2.c.4	2.c.3	2.c.2	2.c.1	Courses & codes	
								psych 601a	Basic Sciences as applied to





										psych 601b	psychiatry
										psych 602a	Physiology
										psych 602b	Clinical pathology
										psych 602c	Clinical psychiatry
										psych 603	Adult psychiatry
										psych 604	Addiction
										psych 605	Child psychiatry
										psych 606a	Clinical pathology
										psych606b	Forensic psychiatry

مهارات عامة General and transferable								ILOs		
2.d.8	2.d.7.	2.d.6	2.d.5	2.d.4	2.d.3	2.d.2	2.d.1	Courses & codes		
									psych 601a	Physiology
									psych 601b	Clinical pathology
									psych 602a	Clinical psychiatry
									psych 602b	Adult psychiatry
									psych 602c	Addiction
									psych 603	Child psychiatry
									psych 604	Clinical pathology
									psych 605	Forensic psychiatry
									psych606a	
									psych606b	

رئيس القسم

التوقيع :

أستاذ المادة

التوقيع



## ملحق (٦) توصيف المقررات

جامعة بنها  
كلية الطب البشري  
قسم الباثولوجى

توصيف مقرر الباثولوجى في ما يخص الأمراض الامراض النفسى ةلدكتوراه  
الطب النفس

بيانات المقرر		
الرمز الكودي	اسم المقرر الباثولوجى في ما يخص الأمراض العصبية	NEUR 703- 704
الفرقة / المستوى: دكتوراة جزء أول	عدد الوحدات الدراسية : نظري	التخصص :
	٢ ساعة معتمدة	



1.1. Application of basic pathological knowledge essential for the practice of neurology.

- أهداف  
المقرر :

- 1.2. Providing basic and specialized services in relation with biopsy diagnosis in the practice of medicine and investigations.
- 1.3. Application of special knowledge & its integration with others that have relation with the special practice
- 1.4. Awareness of the running problems as early tumor detection and diagnosis of system.
- 1.5. Diagnosis of practical problems as cases study and clinical assessments
- 1.6. Having fundamental knowledge of medical disciplines related to their clinical applications & able to use different technological tools as computer in the field of tropical
- 1.7. Having acquired competency to be teacher, trainer, researcher and leader in the field.
- 1.8. Diagnosis, problem solving and decision making skills necessary for proper evaluation and management.
- 1.9. Development of recent tools & ways essential for medical practice.
- 1.10. Awareness of his role in the progress of society and govern the environment in the light of international & local changes.
- 1.11. Honesty and respect the practical rules.
- 1.12. Lifelong learning competencies necessary for continuous professional development



٢- المستهدف من تدريس المقرر :

*By the end of the course, the student should be able to:*

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

**2.a. Knowledge and understanding:**

*By the end of the course, students should be able to:*

- 2.a.1. Define the disease
- 2.a.2. Classification and types of the diseases
- 2.a.3. etiology: risk factors and causes of the diseases
- 2.a.4. List macroscopic and microscopic picture of the common neurological cases.
- 2.a.5. Describe the clinical manifestations and differential diagnosis of common neurological 1 case

أ-  
المعلومات  
والمفاهيم :

**2.b. Intellectual Skills:**

*By the end of the course, students should be able to:*

**b- Intellectual skills:**

- 2.b.1. Analyze, solve problem and make decision skills necessary for proper evaluation and management.
- 2.b.2. Evaluate the risky problems that could be met during taking biopsies.
- 2.b.3. Combine the clinical and investigational database to be proficient in clinical problem solving.
- 2.b.4. Plan for performance development in his practice.
- 2.b.5. Select the most appropriate and cost effective diagnostic procedures for each problem.
- 2.b.6. Point out laws in relation to medical practice and be acquainted with related relevant amendments and also related judgments passed by constitutional courts .
- 2.b.7. Formulate of research hypothesis & questions.
- 2.b.8. Adopt the questioning approach to own work & that of others to solve clinical problems

ب-  
المهارات  
الذهنية:



## 2.c. Practical and Clinical Skills:

*By the end of the course, students should be able to:*

- 2.c.1. Assess of cases and investigation.
- 2.c.2. Interpret all important pathological aspects for early cancer detection and assessment.
- 2.c.3. Perform the gross examination and able to describe the findings of neurological cases.
- 2.c.4. Diagnose and manage different cases
- 2.c.5. Evaluate reports like cancer assessment report, cytological report and immunohistochemical report.
- 2.c.6. Apply different technical skills in his special practice

جـ-

المهارات

المهنية

الخاصة

بالمقرر :



## 2.d. General and transferable Skills:

*By the end of the course, students should be able to:*

- 2.d.1. Work effectively as a member or a leader of an interdisciplinary team and
- 2.d.2. Able to put rules & regularities for evaluation of performance of others.
- 2.d.3. Establish life-long self-learning required for continuous professional development
- 2.d.4. Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.
- 2.d.5. Do self criticism. .
- 2.d.6. Retrieve, manage, and manipulate information by all means, including electronic means.

د -  
المهارات  
العامّة:



-  
محتوى  
المقرر:

<u>Topic</u>	<u>Number of hours</u>		
	<u>Total</u>	<u>Lectures</u>	<u>Practical/ small groups</u>
<b><u>General Pathology</u></b>	<b><u>7.5Hrs</u></b>	<b><u>2.5hrs</u></b>	<b><u>5hrs</u></b>
1-Cell response to injury, Stem cells and repair, Tissue deposits & Inflammation ,Granulomas ,Viral diseases	<u>1-3/4</u>	<u>3/4</u>	<u>1</u>
2-Disturbance of growth Neoplasia, Developmental and genetic diseases	<u>2-3/4</u>	<u>3/4</u>	<u>2</u>
3-Circulatory disturbances, Radiation Basic imunopathology	<u>1-1/2</u>	<u>1/2</u>	<u>1</u>
4-Diagnostic methods in pathology	<u>1-1/2</u>	<u>1/2</u>	<u>1</u>
<b><u>Special Pathology</u></b>	<b><u>15hrs</u></b>	<b><u>5hrs</u></b>	<b><u>10</u></b>
1-Normal brain & cellular response to injury	<u>2-1/2</u>	<u>1/2</u>	<u>2</u>
2-Demelinating diseases	<u>3</u>	<u>1</u>	<u>2</u>
3-Cerebrovascular diseases	<u>3</u>	<u>1</u>	<u>2</u>
4-Degenerative diseases:	<u>3</u>	<u>1</u>	<u>2</u>
5-Neurocutaneous syndromes	<u>1/2</u>	<u>1/2</u>	<u>0</u>
6-Tumors of brain	<u>3</u>	<u>1</u>	<u>2</u>
	<b><u>22.5</u></b>	<b><u>7.5</u></b>	<b><u>15</u></b>



<ul style="list-style-type: none"><li>• Modified Lectures</li><li>• Tutorials.</li><li>• Assignment</li></ul>	٤ - أساليب التعليم والتعلم
لا ينطبق	٥ - أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة
٦ - تقويم الطلاب :	
<ul style="list-style-type: none"><li>• Written examination: assess knowledge &amp; understanding, intellectual skills.</li><li>• Structured oral exams: to assess knowledge and understanding, intellectual &amp; professional and general and transferable skills.</li></ul>	أ- الأساليب المستخدمة
Final exam in May or November.	ب- التوقيت
<b>Written Exam 50 %</b> <b>Oral Exam 50 %</b>	ج- توزيع الدرجات
٧ - قائمة الكتب الدراسية والمراجع :	
<ul style="list-style-type: none"><li>• Lectures handouts</li></ul>	أ- مذكرات
5- Departmental books of General and Special histopathology, available in secretary office. 6- Handouts updated, administered by staff members 7- Museum notebook. <ul style="list-style-type: none"><li>• CDs for histopathological slides and museum specimens are available at the department</li></ul>	ب- كتب ملزمة
lever's pathology of dermatologic diseases.2010 - Rosai and Ackerman's Surgical Pathology Juan Rosai, Mosby 2010 - Sternberg's Diagnostic surgical Pathology 4 <sup>U1</sup> edition, Lippincott Williams and Wilkins - Kumar V ,Abbas AK ,Fausto N:Robbins and Cotran Pathologic Basis of Disease ,7 <sup>th</sup> ed.;2010, Elsevier Saunders. Available at faculty bookshops & main library.	ج- كتب مقترحة
Periodical websites: <a href="http://www.pathmax.com/">http://www.pathmax.com/</a> <a href="http://www-medlib.med.utah.edu/WebPath/LABS/LABMENU.html#2">http://www-medlib.med.utah.edu/WebPath/LABS/LABMENU.html#2</a> <a href="http://www.med.uiuc.edu/PathAtlasf/titlePage.html">http://www.med.uiuc.edu/PathAtlasf/titlePage.html</a> <a href="http://www.medscape.com/pathologyhome">http://www.medscape.com/pathologyhome</a> <a href="http://www.gw_hyperlink">http://www.gw_hyperlink</a> <a href="http://umc.edu/dept/path/2">http://umc.edu/dept/path/2</a> <a href="http://umc.edu/dept/path/2F">umc.edu/dept/path/2F</a>	د - دوريات علمية أو نشرات

رئيس مجلس القسم العلمي عبد اللطيف البلشي

أستاذ المادة : هالة عجينة





جامعة بنها  
كلية الطب البشرى  
قسم الفسيولوجى  
توصيف مقرر الفسيولوجى فى ما يخص الامراض النفسى ةلدكتوراه الطب النفسى

بيانات المقرر		
الفرقة / المستوى : دكتوراه جزء أول	اسم المقرر : مقرر الفسيولوجى فى ما يخص الامراض العصبية	الرمز الكودي : NEUR701
التخصص : دكتوراه الأمراض العصبية		عدد الوحدات الدراسية : نظري: ٢ ساعة معتمدة
<p><b>1.1.</b>Physiology course aims at approaching to the detailed knowledge of human physiology.</p> <p><b>1.2.</b> Facilitate understanding the clinical data for the student in the clinical practice.</p> <p><b>1.3.</b> Develop skills associated with improved health care and health care services.</p> <p>1.4. Basic scientific knowledge essential to practice medicine at the primary level of health, dealing with health problems commonly met- within clinical practice.</p> <p>1.5 Basic scientific knowledge essential for establishing &amp; maintaining good doctor/patient relationship.</p> <p>1.6. Diagnostic, problem solving and decision making as well as communication skills necessary for proper evaluation and management of health problems.</p> <p>1.7. Life long learning competencies necessary for continuous professional development.</p> <p>1.8. Research education as related to medical practice &amp; post graduation development</p>		١- هدف المقرر :
<p><i>By the end of the course, the student should be able to:</i></p>		٢- المستهدف من تدريس المقرر :



<p>By the end of this course, students should be able to:</p> <p>2.1- List according to priority the main functions of systems, organs and cells.</p> <p>2.2- Explain and describe the basic and detailed physiological processes in correct medical terms and in correct order.</p> <p>2.3- Memorize important physiological definitions and laws.</p> <p>2.4-understand the different mechanisms of homeostasis and how to use it in applied physiology.</p> <p>2.5- provide excellence in medical education, research</p> <p>2.6- approaching to the detailed knowledge of physiology in relation of neurology and psychiatry.</p>	<p>أ- المعلومات والمفاهيم :</p>
<p>2.2.1- Identify deviations from the normal physiology and its effects.</p> <p>2.2.2- Interpret clinical manifestations into physiological data.</p> <p>2.2.3- Illustrate physiological information in the form of simplified diagrams with complete data on it.</p> <p>2.2.4- Interconnect different branches of physiology to that of neurology and psychiatry.</p> <p>2.2.5- Analyze any physiological curve related to neurology and psychiatry.</p> <p>2.2.7- The ability to search, analyze and summarize updated physiological information.</p> <p>2.2.8-. Describe the normal structure and function of the human body and mind at the molecular, biochemical, cellular, levels (including the principles of genetics), to maintain the body homeostasis.</p>	<p>ب- المهارات الذهنية:</p>



<p>.</p> <p>2.3.1- Perform efficiently the appropriate steps and procedures in measuring pulse, respiratory rate and arterial blood pressure.</p> <p>2.3.2- asses acid base and electrolyte balance.</p> <p>2.3.3- interpret different laboratory tests as isolated perused heart</p> <p>2.3.4- asses pulmonary function tests</p> <p>2.3.5- record intestinal motility in animals under various conditions.</p> <p>2.3.6- asses skeletal and smooth muscle contraction</p> <p>2.3.7- study and read ECG papers.</p>	<p>ج- المهارات المهنية الخاصة بالمقرر:</p>
<p>.</p> <p>2.4.1- deal properly and cautiously in a lab.</p> <p>2.4.2- Use the sources of biomedical information to remain current with the advances in knowledge &amp; practice.</p> <p>2.4.3- Perform tests showing the molecular, biochemical, and cellular mechanisms that are important in maintaining the body's homeostasis.</p> <p>2.4.4- Demonstrate the functions of the body and its major organ systems that are seen in neurology and psychiatry diseases and conditions.</p> <p>2.4.5- Perform routine technical procedures; diagnostic and therapeutic (including life support).</p>	<p>د - المهارات العامّة:</p>



٣- محتوى  
المقرر:

- 1-Sensory receptors.
- 2-The neural synapse and neurotransmitters.
- 3-Somatic sensations.
- 3-Pain control system
- 4-Motor functions of the spinal cord.
- 5-Spinal cord lesions.
- 6-Muscle spindle and golgi tendon organs and their role in muscle control.
- 7-Muscle tone , and tendon jerks.
- 8-Mechanism of muscle contraction.
- 9-Pyramidal and extrapyramidal tracts.
- 10The vestibular apparatus.
- 11-The cerebellum.
- 12-The basal ganglia
- 13-The hypothalamus.
- 14-Sleep
- 15-Learning and memory.

**Cardiovascular system**(comprehension of the following)

- 1-Cerebral circulation.
- 2-Regulation of arterial blood pressure.
- 3-Hemorrhage and shock

**Blood**(comprehension of the following)

- 1-Anemias.

**Introduction**(comprehension of the following)

- 1-Hemostasis

**Respiratory system**(comprehension of the following)

- 1-Regulation of respiration

**Nerve, and Muscle**

1. Membrane Potentials and Action Potentials
2. Contraction of Skeletal Muscle
3. Excitation of Skeletal Muscle: Neuromuscular  
Transmission and Excitation-Contraction Coupling
4. Contraction and Excitation of Smooth Muscle.

1. Lectures.	٤- أساليب التعليم والتعلم
2. Small group discussion with case study and problem solving.	
لا ينطبق	٥- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة
٦- تقويم الطلاب :	
1 Written exams	أ- الأساليب المستخدمة
2 Oral exam	
• Final exam at may or November	ب- التوقيت
• Written exams 50%	ج- توزيع الدرجات
• Oral exams 50%	
٧- قائمة الكتب الدراسية والمراجع :	
Theoretical and practical books are available from faculty bookshops.	أ- مذكرات
Poul-Erik Paulev(2007): Medical Physiology And Pathophysiology 1. Essentials and clinical problems.	ب- كتب ملزمة
Poul-Erik Paulev (2009): ): Medical Physiology Textbook  6.4- Guyton 2008	ج- كتب مقترحة
<a href="http://www.jap.physiology.org">www.jap.physiology.org</a> <a href="http://www.physiologyonline.physiology.org/cgi/content">www.physiologyonline.physiology.org/cgi/content</a>	د - دوريات علمية أو نشرات ... الخ

أستاذ المادة: Prof. Alaa Elteleis  
 مجلس القسم العلمي : Prof. Alaa Elteleis .

توصيف مقرر الامراض النفسية  
لدكتوراة أمراض الطب النفسى

١- بيانات المقرر		
الفرقة / المستوى : دكتوراه جزء ثان	اسم المقرر : الطب النفسى	الرمز الكودي : NEUR707-708
عدد الوحدات الدراسية : نظري ٢١ ساعة معتمدة	التخصص : دكتوراه الأمراض الطب النفسى	

<ul style="list-style-type: none"><li>• <b>Gather and apply</b> advanced scientific Physiological &amp;Pathological knowledge essential to the Psychiatric practice.</li><li>• <b>Use</b> scientific Physiological &amp;Pathological knowledge to evaluate medical reports and understand and solve Psychiatric problems.</li><li>• <b>Apply</b> diagnostic, problem solving and decision making as well as communication skills necessary for proper evaluation and management of health problems &amp;researches.</li><li>• <b>Show</b> lifelong learning competencies necessary for continuous professional development.</li></ul>	٢- هدف المقرر :
٣- المستهدف من تدريس المقرر :	

أ- المعلومات والمفاهيم :

- . 2a1. Recognize the etiology of illness and disease, with special emphasis on medi-cal, psychosocial and environmental causes.
- 2a2. Recognize the principles of genetics and the role of genetics in different psy-chiatric and neurological diseases.
- 2a3. Recognize the basic medical science to disease process, supported by early clinical contact and demonstration.
- 2a4. Discuss the common disease's clinical manifestations and differential diagnosis.
- 2a5. Recognize the scientific basis of common diagnostic studies with emphasis on their prioritization in management plans.
- 2a6. Define pharmacological principles of treatment including: drug ef-fects/pharmacokientics, dosage, drug-drug interactions and adverse reactions.
- 2a7. Describe the principles of non-pharmacological therapies, and their role in disease management (psychotherapy, electroconvulsive therapy, trans-cranial magnetic stimulation)
- 2a8. Recognize the nature of disability, its impact on the community and the principles of management including: rehabilitation, institutional and community care.
- 2a9. Identify the principles governing ethical decision making in clinical practice and the major ethical dilemmas in medicine and recognize the patient-doctor rights as a part of human rights.
- 2a10. Describe how to apply his/her medical knowledge in the service of law with emphasis on medico-legal aspects of medical practice.
- 2a11. Specify the basics of normal and abnormal human behaviors 2.a.12. Analyze and evaluate scientific basic knowledge and to do conclusions from it

ب- المهارات الذهنية:

- 2.b.1. Demonstrate insight for continued self assessment of their current medical practice aiming to update and improve it.
- 2.b.2. Interpret clinical problems as how to differentiate between psychotic and neurotic disorders.
- 2.b.4. Analyze medical problems to reach appropriate diagnosis and assess comorbid psychiatric disorders.
- 2.b.5. Evaluate information objectively, recognizing its limitations.
- 2.b.6. Integrate the results of history, physical and mental examination with neuropsychiatric investigation findings into a meaningful diagnostic formulation.
- 2.b.7. Have the ability to choose the most relevant diagnostic tools as different psychometries for different suspected disorders.
- 2.b.8. Retrieve and analyzes relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence (EBM).
- 2.b.9. Recognize and cope with uncertainty by proper counseling, consultation and referral.
- 2.b.10. Evaluate emergency cases in psychiatry and manage them properly.
- 2.b.11. Integrate the psychiatric and somatic manifestations to accurately evaluate the patient.



<p>2c1- Apply and document a complete or focused medical history in the outpatient, inpatient or emergency settings.</p> <p>2c2- Perform and document a complete or focused physical and mental examination.</p> <p>2c3- Construct patient's symptoms and physical signs in terms of anatomic, pathologic and functional diagnostic significances.</p> <p>2c4- Judge problems and select the most appropriate and cost effective diagnostic procedures for each problem.</p> <p>2c5- Record clear and concise medical records including: admission sheets, progress notes, and physician' orders, referrals for consultation, discharge summaries and follow up notes.</p> <p>2.c.6. Adopt basic and new skills in Psychology field.</p> <p>2.c.7. Use technological methods in professional practice.</p> <p>2.c.8. Write and evaluate professional reports about Psychological topics.</p> <p>2.c.9. Evaluate and develop the used methods in the field of Psychology.</p> <p>2.c.10. Use technological methods in professional practice.</p> <p>2.c.11. Plan to improve professional performance and develop others' performance.</p> <p>2.c.12. Ability to identify the difference between non patients and psychiatric patients.</p> <p>2.c.13. Able to identify patients and possible high risk individuals.</p> <p>2.c.14. Able to diagnose possible cases.</p> <p>2.c.15. Able to prescribe medications according to diagnosis.</p> <p>2.c.16. Able to understand the difference between the psychiatric patients and general medicine patients.</p> <p>2.c.17. Use the latest technology in identifying, diagnosing and treating patients .</p>	<p>ج- المهارات المهنية الخاصة بالمقرر</p>
<p>2.d.1 Establish life-long self-learning required for continuous professional development.</p> <p>2.d.2 Establish effective interpersonal relationship to Communicate ideas and arguments .</p> <p>2.d.3 Present information clearly in written, electronic and oral forms.</p>	<p>د - المهارات العامة :</p>

٤- محتوى المقرر

Organic mental disorders  
Service planning and administration  
Psychiatric disorders in women  
15-Liason in psychiatry  
Guidelines of management of psychiatric disorders in pregnant and lactating women  
Psychiatric emergencies  
Investigation in psychiatry  
Child psychiatry  
Old age psychiatry  
Cultural psychiatry  
Psychotherapy, physical treatments and other models of therapy  
Forensic and Ethics  
Other topics

- Basics psychopharmacology.
- Genetic and counseling.
- Prevention in psychiatry.
- Future of psychiatry.
- Stigma because of mental illness.
- Commonly used instruments in psychiatry.
- Quality of life in psychiatry.
- Role of family in psychiatric disorder.
- Fever in psychiatry

• **Modified Lectures**

**Tutorials**

٥-- أساليب التعليم والتعلم

٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة

٧- تقويم الطلاب :

•

<p><b>Written examination: To assess knowledge and understanding &amp; intellectual skills.</b></p> <p><b>Oral examination: To assess knowledge and understanding , intellectual skills, professional &amp; general&amp; transferable skills</b></p> <p><b>Practical exam</b></p>	أ- الأساليب المستخدمة
Final exam in May or November	ب- التوقيت
Written 250 Oral 100 clinical 100	ج- توزيع الدرجات
<b>٨- قائمة الكتب الدراسية والمراجع :</b>	
<p>Synopsis of psychiatry (three volumes) Benjamin James Sadock, Virginia Alcott Sadock 2012</p> <p>• Comprehensive Textbook of psychiatry Benjamin J Sadock; VirginiaA Sadock 2010</p> <p><b>3. Case files psychiatry Toy Klamen 2004</b></p>	ب- كتب ملزمة
<p>Neurobiology of mental illness: second edition</p> <p>Dennis Charney, Eric Niestter 2005</p> <p><b>2 Handbook of psychiatric drugs Lawrence J., Rhoda K., Christopher 2005</b></p>	ج- كتب مقترحة
	د - دوريات علمية أو نشرات

أستاذ المادة : أ.د حسين الشيخ رئيس مجلس القسم العلمي : أ.د فيكتور سامي

التاريخ ٢٠١٣/٩/٨

كلية الطب البشري

قسم الامراض العصبية والطب النفسى

توصيف مقرر علم النفس  
لدكتوراة الطب النفسى

١- بيانات المقرر		
الفرقة / المستوى : دكتوراه جزء أول	اسم المقرر علم النفس لدكتوراة الطب النفسى	الرمز الكودي : NEUR705-705
عدد الوحدات الدراسية : نظري ٢ ساعة معتمدة	التخصص : دكتوراه الطب النفسى	

<ul style="list-style-type: none"><li>• <b>Gather and apply</b> advanced scientific psychological knowledge essential to the Psychiatric practice.</li><li>• <b>Use</b> psychological knowledge to evaluate medical reports and understand and solve psychiatric problems.</li><li>• <b>Apply</b> diagnostic, problem solving and decision making as well as communication skills necessary for proper evaluation and management of health problems &amp;researches.</li><li>• <b>Show</b> lifelong learning competencies necessary for continuous professional development.</li></ul>	٢- هدف المقرر :
٣- المستهدف من تدريس المقرر :	
a.1 Define the concepts and meanings of various psychological terms . a.2 Mention the known and recent theories explaining the etiology and underlying psychopathology in various psychiatric disorders. a.3 Explain the rational underlying various methods psychotherapy as treatment in psychiatric disorders. a.4 Mention the views of various contributors in field of psychology to explain psychiatric disorders.	أ- المعلومات والمفاهيم :

<p>2.b.1- Analyze symptoms &amp; signs of psychiatric abnormalities to understand the underlying psychopathology</p> <p>2.b.2- Interpret data acquired through history taking on bases of psychological and psychopathological backgrounds.</p> <p>2.b.3- Identify the main underlying psychopathology for psychiatric problems and apply the proper psycho therapeutic approach to correct it</p>	<p>ب- المهارات الذهنية:</p>
<p>c.1- Master basic and modern professional clinical skills in the area of psychiatry and related science .</p> <p>c.2- teach and Train junior staff through continuous medical education programs about the various psychopathological explanation of psychiatric illnesses and how to apply that in case management</p>	<p>ج- المهارات المهنية الخاصة بالمقرر</p>
<p>2.d.4 Establish life-long self-learning required for continuous professional development.</p> <p>2.d.5 Establish effective interpersonal relationship to Communicate ideas and arguments .</p> <p>2.d.6 Present information clearly in written, electronic and oral forms.</p>	<p>د - المهارات العامة :</p>

<ul style="list-style-type: none"> <li><input type="checkbox"/> Introduction</li> <li><input type="checkbox"/> Theoretical approaches of psychiatric disorders in psychology <ul style="list-style-type: none"> <li>○ Psychoanalytical approach</li> <li>○ Ego theory</li> <li>○ Object-relation theory</li> <li>○ Cognitive theory</li> <li>○ Social learning theory</li> <li>○ others</li> </ul> </li> <li><input type="checkbox"/> Psychopathology of : <ul style="list-style-type: none"> <li><input type="checkbox"/> Axis I disorders: <ul style="list-style-type: none"> <li>○ Schizophrenia</li> <li>○ Mood disorders (Depression and mania)</li> <li>○ Anxiety disorders (OCD, phobia...ect.)</li> <li>○ Eating disorders (anorexia nervosa)</li> <li>○ Sexuality disorders</li> <li>○ Other topics</li> </ul> </li> <li><input type="checkbox"/> Personality disorders: <ul style="list-style-type: none"> <li><input type="checkbox"/> Type A personality disorders:</li> <li><input type="checkbox"/> Type B personality disorders:</li> <li><input type="checkbox"/> Type C personality disorders:</li> </ul> </li> </ul> </li> </ul>	- ٤ محتوى المقرر
<ul style="list-style-type: none"> <li>• <b>Modified Lectures</b></li> <li>• <b>Tutorials.</b></li> </ul>	٥- أساليب التعليم والتعلم
لا ينطبق	٦- أساليب التعليم والتعلم للطلاب ذوي القدرات المحدودة
٧- تقويم الطلاب :	
<ul style="list-style-type: none"> <li>• <b>Written examination: To assess knowledge and understanding &amp; intellectual skills.</b></li> <li>• <b>Oral examination: To assess knowledge and understanding , intellectual skills, professional &amp; general&amp; transferable skills.</b></li> </ul>	أ- الأساليب المستخدمة
Final exam in May or November	ب- التوقيت

Written 50%    Oral 50%	ج- توزيع الدرجات
٨- قائمة الكتب الدراسية والمراجع :	
Lectures handouts	أ- مذكرات
Human Psychopathology Dr. Magdy Arafa Psychopathology Dr,Okasha	ب- كتب ملزمة
Fish Pschopathology	ج- كتب مقترحة
<a href="http://www.medscape.com">http://www.medscape.com</a> .	د - دوريات علمية أو نشرات

رئيس مجلس القسم العلمي : أ.د فيكتور سامى

أستاذ المادة : أ.دحسين الشيخ

التاريخ ٢٠١٣/٩/٨