Program specifications for: Medical Doctorate (MD) of Psychiatry

[1] Basic Information

1. **Program title:** Medical Doctorate (MD) of psychiatry (CODE: PSY100)
2. **Final award:** Medical Doctorate (MD) in psychiatry.
3. **Program type: single.**
4. **Responsible department: special medicine, neurology and psychiatry unit.**
5. **Departments involved in the program:** neurology and psychiatry unit, Public Health and Community medicine, Physiology.
6. **Program duration: 3.5 Years.**
7. **Number of program courses:** 5
8. **Coordinator: Ass. Prof. Mustafa Mahmoud Abd Elnaem**
9. **External evaluators: Prof. Aref khwaeld, professor of psychiatry, faculty of medicine, cairo university.**
10. **Internal evaluators: prof. Refaat Mahfouz Mahmoud, professor of psychiatry, faculty of medicine, Minia university.**
11. **Program management team:** All staff members of neurology and psychiatry unit.

[2] Basic Information: Program Aims

Graduate of the MD degree in Psychiatry should be able to:

The aim of this program is to provide the MD candidate with the medical knowledge; skills and attitudes essential to gain further training and practice in the field of Psychiatry that allow the postgraduate to be prepared to engage in the academic education through:

1. Providing the scientific knowledge essential for the practice of Psychiatry according to the international standards.
2. Enhance skills necessary for proper diagnosis and management of patients in the field of psychiatry including diagnostic, problem solving and decision making.
3. Spread the ethical principles related to the practice in this specialty.
4. Enhance the interaction with the community and its problems and problems solving.
5. Stimulate continued medical learning, development and research.
6. Increase the creativity of the students to maintain research interest and abilities.

[3] Intended Learning Outcomes (ILOs):

(a) Knowledge and understanding:

By the end of the study of MD degree of psychiatry the candidate should be able to:

a.1 Explain the aetiology, clinical picture, diagnosis and management of different psychiatric disorders.

a.2 Recall the principles of psychiatric interview, psychoanalysis and psychometric assessment.

a.3 List basics of dealing with complicated cases and high risk groups.

a.4 Explain the facts of relevant basic Neuroscience related to Psychiatry.

a.5 Explain updated and evidence based diagnosis and management of psychiatric emergencies.

a.6 Summarize scientific developments and recent guidelines in the field of psychiatry.

a.7 Explain the basics and methods of scientific research and medical statistics.

a. 8 Illustrate the different technology-related devices

and software related to research and medical practice.

a.9 List the ethical and legal principles of professional practice in the field of psychiatry.

a.10 List the principles of quality in professional practice in the field of psychiatry.

a.11 Discuss the mutual influence between professional practice and its impacts on the environment.

(b) Intellectual skills

By the end of the doctorate program in Psychiatry the candidate should be able to:

b.1 .Analyze different clinical, laboratory, and imaging data and deduce a diagnosis regarding different psychiatric disorders.

b.2 .Formulate appropriate management plans for individual patients presenting with the most common psychiatric disorders (mood disorders, anxiety disorders, psychotic disorders).

b.3 Solve the diagnostic and therapeutic challenges related to psychiatry based on the available data.

b.4 Compare and select different diagnostic alternatives to reach a final diagnosis.

b.5 Hypothesize and design research projects that contributes to the scientific developments in the field of Psychiatry.

b.6 Formulate, write, and publish research paper.

b.7 Construct good understanding to common risks and patient safety issues related to psychiatric patients.

b.8 Plan for the development of clinical and academic performance in the field of psychiatry.

b.9 Design diagnostic and therapeutic plans to psychiatric patients and report them to colleagues and managerial authorities.

b.10 Analyze and interpret the results of research using common statistical tests.

b.11 Create innovative and non-traditional solutions

b.12 Manage scientific discussion based on scientific evidence and proofs

(c) Professional and practical skills

By the end of the study of MD of psychiatry, the candidate should be able to:

c.1 Assess clinical history and symptoms of psychiatric disorders.

c.2 Examine mental state of patients.

c.3 Order diagnostic procedures when clinically relevant (EEG, brain CT and MRI, neuropsychological studies and psychometric assessment)

c.4 Interpret the previously mentioned diagnostic procedures.

c.5 Perform the following therapeutic procedures, Psychotherapy, ECT, rTMS.

c.6 Write and evaluate medical reports for psychiatric patients.

c.7 Compare and select the appropriate supportive investigations relevant to the patient and adequately interpret the results.

c.8 Make use of different modern technologies to improve the practice of psychiatry

c.9 Design new methods, tools, and ways of professional practice to help the improvement of others in the field of psychiatry.

(d) General and transferable skills

By the end of the study of MD of psychiatry, the candidate should be able to:

d.1 Communicate effectively with colleagues, and other managerial authorities in verbal, written, and electronic means.

d.2 Communicate effectively with patients and their families.

d.3 Use online databases to collect materials needed for research and thesis.

d.4 Manage and organize materials from various sources from the internet, libraries, etc.

d.5 Becomes an effective academic teacher and clinical trainer in the field of psychiatry.

d.6 Put and use indicators for evaluating the performance of others.

d.7 Develop a life-long attitude of continuous self-improvement and continuous medical education.

d.8 Use different physical and electronic information sources including media (videos, audio) to become a competent psychiatrist.

d.9 Work as a team worker and leader while working with other colleagues and in larger teams.

d.10 Develop leadership skills to manage fellows and teams.

d.11 Manage time effectively during clinical and academic work.

d.12 Manage Scientific meetings according to the available time.

[4] Program Academic Reference Standards:

- Faculty of Medicine Minia university adopted the general national academic reference standards provided by the national authority for quality assurance and accreditation of education (NAQAAE) for all postgraduate programs. (Faculty council Degree No.6854, in its cession No.177 Dated :18\5\2009) (see Annex I)

    - Faculty of Medicine Minia university has developed the academic standards (ARS) for Medical Doctorate (MD) program and was approved in faculty Council Degree No.7528, in its session No.191, dated: 15-3-2010), last update: 20-2-2023. {Annex I}.

    - Then, special Medicine department (Neuropsychiatry unit) has developed the intended learning outcomes (ILOs) for doctorate (MD) program in psychiatry and the Date of program specifications first approval was by department council: 13-5-2013, last update: 6-3-2023{Annex 2}.

[5] Program structure:

Program duration: 3.5 Years.

Topic	Lecture	Practical/Clinical	Total No. of hours
First part (6 months, 24 weeks)			
Medical statistics and research methodology	**30**	**15**	**45**
Use of computer in medicine	**20**	**10**	**30**
Psychology and psychopathology	**48**	**28**	**76**
Medical physiology	**48**	**--**	**48**
Total hours for first part	**146 hours**	**53 hours**	**199 hours**
Second part (2 Academic Years, 60 Weeks)			
Advanced psychiatry (2 academic years, 60 weeks)	62	88	150
Third Part (12 months)			
Research Thesis and discussion	**continuous.**		

Program courses (curriculum)

Course Title and code	Total No. of hours	No. of hours /week			Program ILOs Covered
		Lect.	Practical	Tutorial	
FIRST PART (24 weeks)					
1. Use of computer in medicine (psy100A)	**30**	**2**	**2**		A5, B3,4, C7,8 D1,3,4,8
2. Medical statistics and Research methodology (psy100 B)	**45**	**2**	**2**		A2,4,5 B 3,4,6,7,8,9 C2,3,8
3. Psychology and psychopathology (psy 100 C)	**76**	**2**	**2**		A1, B1, C1, D4
4. Medical physiology (psy 100 D)	**48**	**2**	**--**		A1,B1,C1,D4
Training programs and workshops, field visits, seminars& other scientific activities	Continuous				a.1-a.5, b.1-b.9, c.1-c.8, d.1-d.12

SECOND PART (60 weeks):					
1. Advanced psychiatry (psy 100 E)	150	2	2		A1,2,3,4,5,6,7,8,9,10,11,12 B2,5,7,8,9,10,11,12 C1,2,3,4,5,6,7,8,9 D1,3,4,5,6,7,8,9,10,11,12
Training programs and workshops, field visits, seminars& other scientific activities	Continuous				a.1-a.5, b.1-b.9, c.1-c.8, d.1-d.12
THIRD PART (18 months):					
Research (Thesis)	Continuous				a.1-a.5, b.1-b.9, c.1-c.8, d.1-d.12

[6] program admission requirements:

Conditions should be fulfilled for registration:

- **Candidates graduated from Egyptian Universities (or any approved university/institute by Minia University)**
- **The Candidate should have at least "Good Rank" in their final year examination/ cumulative years, and grade "Good Rank" in medicine course too.**
- **He should pass one year as a house officer in a university hospital or equivalent teaching hospital.**
- **All candidates should have master's degree of neurology and psychiatry with GOOD rank at least from Egyptian university or fellowship of psychiatry from Egyptian ministry of health.**
- **The candidates who are working in Ministry of health hospital must stay one year (full time) as visitor doctor for training in the university hospital after acceptance of registration.**

Specific Requirements:

1- Candidate should know how to speak & write English well (TOEFL certificate).

2- Candidate should have computer skills and ICDL certificate.

[7] Regulations for progression and program completion

A. First part

- Registration for the study in October every year.

- Start of the study in October.

- Registration of the scientific research after 6 months of registration and after acceptance of special medicine department and faculty councils and the vice dean of post graduate studies of the university.

-Examination of the first part starts after 6 months from registration of MD degree.

- For the student to pass the first part exam, a score of at least 60% in each curriculum is needed.

- Those who fail in one curriculum need to re-exam it only.

B) Second Part (≥24 months)

• Program related specialized science of advanced psychiatry courses and ILOs. At least 48 months after passing the 1st part should pass before the student can take permission for examination in the 2nd part.

• Fulfillment of the requirements in each course as described in the template and registered in the log book is a prerequisite for candidates to be assessed and undertake part 1 and part 2 examinations; as following:

Grand rounds اجتماع علمى موسع
Training courses دورات تدريبية
Conference attendance حضور مؤتمرات علمية
Thesis discussion حضور مناقشات رسائل
Workshops حضور ورش عمل
Journal club ندوة الدوريات الحديثة
Case presentation تقييم حالة مرضية
Seminars لقاء علمى موسع
Morbidity and Mortality conference ندوة تحليل المخاطر المرضية أوالوفاة
Self education program برنامج التعليم الذاتى

- Examination of the second part after passing first part examination and finishing clinical studies and training (not less than 24 months).

-The candidate must pass the written exams of second part to be allowed to start clinical and oral examination cessions.

-If the candidate failed in the clinical examinations he should repeat trials up to 4 times. If failed more than 4 times he/she should be restart second part examination again by written exams.

C. Third Part: Scientific research (Thesis)

- Thesis title and protocol is submitted at least 18 months after registration for the program.

- Discussion of the research done after passing clinical examination of the second part and passing 2 years at least from registration of the title. The thesis should be accepted from the discussion committee, special medicine department and faculty councils and vice dean of postgraduate studies of the university. One literature at least should be edited from the research in a documented scientific journal documented from the high council of the Egyptian universities.

-If the candidate fails to finish the thesis in the provisional date, the chief supervisor should write a full report about causes of candidate's delay and if he needs another exceptional year to finish his research. This extension should be accepted by special medicine department and faculty councils and the vice dean of post-graduates' studies of university.

[8] Teaching and Learning Methods :

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)
Lecture (power point, chalk and talk)	A1, A2, A3, A4, A5,A6,A7,A8,A9,A10,A11,12 B1, B2, B3, B4, B5, B6, B7, B8, B9,10,11,12 D4, D5, D6, D8, D11
Clinical: • Case presentation, • Bedside clinical**;** • Practical clinical examination in psychiatric outpatient clinic.	C1, C2, C3, C4, C5, C6 D3, D4, D5, D7, D10
Others: Presentations, journal club, thesis discussion attendance, training courses, workshops, seminars, morbidity and mortality conference, and other scientific activities requested by the department	A1, A2, A3, A5,A6,A7,A8,A9 B1, B2, B3, B4, B5, B6, B7, B8, B9 D1, D3, D5, D6, D7, D8, D9, D11.D12

[9] Methods of Student Assessment :

Method of assessment	The assessed ILOs

1. Written Exams:
• Paper 1 and paper 2 include:
  • Short essay
  • MCQs
  • Problem solving
• Paper 3: Commentary
	A1, A2, A3, A4, A5,A6,A7,A8,A9,A10,A11,A12
	B1, B2, B3, B4, B5, B6, B7, B8, B9,10,11,12
	B1, B2, B3, B4, B5, B6, B7, B8, B9
	C1, C2, C3, C4, C5, C6

2. Clinical Exams: Long case and 2 short cases	C1, C2, C3, C4, C5, C6
3. Oral Exams including **Investigations exams:** Interpretation of psychometric tools and EEG.	A1, A2, A3, A4, A5 B1, B2, B3, B4, B5, B6, B7, B8, B9 D1, D2, D3, D4, D5, D6, D7, D8, D9 D10, D11

Weighing of Assessment

	Written exam		Oral exam	Clinical/practical
Psychology and psychopathology	100		100	---
Medical physiology	100		100	---
Medical statistics and Research Design	100		100	100
Uses of computer in medicine	100		100	100
Advanced psychiatry	Paper 1	100	100	100
	Paper 1	100		
	Commentary	100		

[10] Evaluation of program intended learning outcomes:

Evaluator (By whom)	Method/tool	Sample
1. Senior students (Students of last year	Questionnaires	All the students
2. Graduates (Alumni)	Questionnaires	10 at least
3. Stakeholders	Meeting Questionnaires	10 at least
4. External & Internal evaluators and external examiners	Reports	1 at least
5. Quality Assurance Unit	Reports Questionnaires Site visits	
6. Exams results	Results analysis Report	All the students

- **Program Coordinators:** Dr. Mustafa Mahmoud
- **Head of Department**: prof. Nermin Aly Hamdy

Date of program specifications 1st approval by department council: 13/5/2013.
Date of last update & approval by department council: March 2023.

Annex (1)
Comparison between General Academic Reference Standards (GARS) and Faculty Academic Reference Standards (ARS)

المعايير القياسية العامة: **NAQAAE General Academic Reference Standards "GARS" for MD Programs**	**Faculty Academic Reference Standards (ARS) for MD Program**
1.2. المعرفة والفهم: **بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا علي الفهم والدراية بكل من:**	**2.1. Knowledge and understanding:** Upon completion of the doctorate Program (MD), the graduate should have sufficient knowledge and understanding of:
1.1.2. النظريات والأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة	2.1.1. Theories, basics and updated knowledge in his scholarly field and related basic sciences.
2.1.2. أساسيات ومنهجيات وأخلاقيات البحث العلمي وأدواته المختلفة	2.1.2. Basic, methods and ethics of medical research.
3.1.2. المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص	2.1. 3. Ethical and medicolegal principles of medical practice.
4.1.2. مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص	2.1. 4. Identify Principles and fundamental of quality in professional medical practice.

5.1.2. المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها	2.1.5. Knowledge related to effects of professional practice on public health and methods of maintenance and system-based improvement of public health.
2.2. المهارات الذهنية: **بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على:**	**2.2. Intellectual skills:** Upon completion of the doctorate program (MD), the graduate must be able to:
1.2.2.تحليل وتقييم المعلومات في مجال التخصص والقياس عليها والاستنباط منها	2.2.1 Analysis and evaluation of information to correlate and deduce from it.
2.2.2. حل المشاكل المتخصصة استنادا على المعطيات المتاحة	2.2.2. Problem solving skills based on analysis of available data for common health problems related to his scholarly field.
3.2.2. إجراء دراسات بحثية تضيف إلى المعارف	2.2.3. Carryout research projects related to his scholarly field.
4.2.2. صياغة أوراق علمية	2.2.4. Write and publish scientific papers.
5.2.2. تقييم المخاطر في الممارسات المهنية	2.2.5. Assess risk in professional medical practice.
6.2.2. التخطيط لتطوير الأداء في مجال التخصص	2.2.6. Establish goals, commitments and strategies for improved productivity and performance.

7.2.2. اتخاذ القرارات المهنية في سياقات مهنية مختلفة	2.2.7. Making professional decisions in different professional contexts.
8.2.2. الابتكار/ الإبداع	2.2.8. Demonstrate intellectual curiosity necessary for scientific discovery and innovation through active participation in research.
9.2.2. الحوار والنقاش المبني على البراهين والأدلة	2.2.9. Using Evidence-based strategies to during discussion or teaching others.
3.2. مهارات المهنية: **بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على:**	**2.3. Professional skills:** Upon completion of the doctorate program (MD), the graduate must be able to:
1.3.2. إتقان المهارات المهنية الأساسية والحديثة في مجال التخصص	2.3.1. Master the basic as well as modern professional practical and/or clinical skills.
2.3.2 . كتابة وتقييم التقارير المهنية	2.3.2. Write and evaluate professional reports.
2.3.3 . تقييم وتطوير الطرق والأدوات القائمة في مجال التخصص	2.3.3. Evaluate and improve the methods and tools in the specific field
4.3.2. استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية	2.3.4. use of technological means to serve Professional practice
2.3.5. التخطيط لتطوير الممارسة المهنية وتنمية أداء الآخرين.	2.3.5. Planning for the development of professional practice and improve of the performance of others

.4.2. المهارات العامة والمنتقلة: بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على:	**2.4. General and transferable skills** Upon completion of the doctorate program (MD), the graduate must be able to:
1.4.2. التواصل الفعال بأنواعه المختلفة	2.4.1. Communicate (in writing and orally) effectively and respectfully with peers, faculty, colleagues, and other members of the health care team, understanding the role of consultations and referrals.
2.4.2. استخدام تكنولوجيا المعلومات ب ما يخدم تطوير الممارسة المهنية	2.4.2. Use of information technology to serve Professional Practice Development.
3.4.2. تعليم الآخرين وتقييم أداءهم	2.4.3. Demonstrate effective teaching and evaluating others.
.4.2.4. التقييم الذاتي والتعلم المستمر.	2.4.4. Self-assessment and continuous learning.
5.4.2. استخدام المصادر المختلفة للحصول على المعلومات والمعارف.	2.4.5. use physical information resources (print, analog), online (electronic, digital,) text, audio-video, book and journal to address medical questions and knowledge to sustain professional growth
6.4.2. العمل في فريق وقيادة فرق العمل	2.4.6. Work as a member in larger teams and as well as a team leader knows how to develop "teaming strategy" to plan how people will act and work together.
7...4.2 إدارة اللقاءات العلمية والقدرة علي إدارة الوقت	2.4.7. Manage of scientific meetings and the ability to manage Time effectively.

ANNEX (2)

Matrix Between Faculty Academic Reference Standards (ARS), and Program ILOS for MD in Psychiatry

Faculty Academic Reference Standards (ARS) for MD Program	Psychiatry MD Program ILOs
2.1. Knowledge & Understanding: Upon completion of **the MD Program in** Psychiatry the graduate should have sufficient knowledge and understanding of:	**A. Knowledge And Understanding (A)**

2.1.1. Theories, basics and updated knowledge in his scholarly field and related basic sciences.	a.1 Explain the aetiology, clinical picture, diagnosis and management of different psychiatric disorders. a.2 Recall the principles of psychiatric interview, psychoanalysis and psychometric assessment. a.3 List basics of dealing with complicated cases and high risk groups. a.4 Explain the facts of relevant basic Neuroscience related to Psychiatry. a.5 Explain updated and evidence based diagnosis and management of psychiatric emergencies. a.6 Summarize scientific developments and recent guidelines in the field of psychiatry.
2.1.2. Basic, methods and ethics of medical research.	a.7 Explain the basics and methods of scientific research and medical statistics.

	a. 8 Illustrate the different technology-related devices and software related to research and medical practice.
2.1. 3. Ethical and medicolegal principles of medical practice.	a.9 List the ethical and legal principles of professional practice in the field of psychiatry.
2.1. 4. Identify Principles and fundamental of quality in professional medical practice.	a.10 List the principles of quality in professional practice in the field of psychiatry.
2.1.5. Knowledge related to effects of professional practice on public health and methods of maintenance and system-based improvement of public health.	a.11 Relate the mutual influence between professional practice and its impacts on the environment.
2.2. Intellectual Skills: Upon completion of the MD program of, the graduate should be able to:	**Intellectual Skills** **(B)**
2.2.1Analysis and evaluation of information to correlate and deduce from it.	b 1.Analyze different clinical, laboratory, and imaging data and deduce a diagnosis regarding different psychiatric disorders. b 2.Formulate appropriate management plans for individual patients presenting with the most common psychiatric disorders (mood disorders, anxiety disorders, psychotic disorders).
2.2.2. Problem solving skills based on analysis of available data for common health problems related to his scholarly field.	b.3 Solve the diagnostic and therapeutic challenges related to psychiatry based on the available data. b.4 Compare and select different diagnostic alternatives to reach a final diagnosis.
2.2.3. Carryout research projects related to his scholarly field.	b.5 Hypothesize and design research projects that contributes to the scientific developments in the field of Psychiatry.
2.2.4. Write and publish scientific papers.	b.6 Formulate, write, and publish research paper.

2.2.5. Assess risk in professional medical practice.	b.7 Construct good understanding to common risks and patient safety issues related to psychiatric patients.
2.2.6. Establish goals, commitments and strategies for improved productivity and performance.	b.8 Plan for the development of clinical and academic performance in the field of psychiatry.
2.2.7. Making professional decisions in different professional contexts.	b.9 Design diagnostic and therapeutic plans to psychiatric patients and report them to colleagues and managerial authorities.
2.2.8. Demonstrate intellectual curiosity necessary for scientific discovery and innovation through active participation in research.	b.10 Analyze and interpret the results of research using common statistical tests. b.11 Create innovative and non-traditional solutions
2.2.9. Using Evidence-based strategies to during discussion or teaching others.	b.12 Manage scientific discussion based on scientific evidence and proofs
3.2. Professional Skills: Upon completion of the MD program of psychiatry, the graduate must be able to:	**Professional Skills (C)**
2.3.1. Master the basic as well as modern professional practical and/or clinical skills.	c.1 Assess clinical history and symptoms of psychiatric disorders. c.2 Examine mental state of patients. c.3 Order diagnostic procedures when clinically relevant (EEG, brain CT and MRI, neuropsychological studies and psychometric assessment) c.4 Interpret the previously mentioned diagnostic procedures. c.5 Perform the following therapeutic procedures

	Psychotherapy, ECT, rTMS.
2.3.2. Write and evaluate professional reports.	c.6 Write and evaluate medical reports for psychiatric patients.
2.3.3. Evaluate and improve the methods and tools in the specific field	c.7 Compare and select the appropriate supportive investigations relevant to the patient and adequately interpret the results.
2.3.4. use of technological means to serve Professional practice.	c.8 Make use of different modern technologies to improve the practice of psychiatry
2.3.5. Planning for the development of professional practice and improve of the performance of others	c.9 Design new methods, tools, and ways of professional practice to help the improvement of others in the field of psychiatry.
4.2. **General and transferable skills** Upon completion of the MD program of psychiatry the graduate should be able to:	**General and Transferrable Skills. (D)**
4.2.1. Communicate (in writing and orally) effectively and respectfully with peers, faculty, colleagues, and other members of the health care team, understanding the role of consultations and referrals.	d.1 Communicate effectively with colleagues, and other managerial authorities in verbal, written, and electronic means. d.2 Communicate effectively with patients and their families.
4.2.2. Use of information technology to serve Professional Practice Development.	d.3 Use online databases to collect materials needed for research and thesis. d.4 Manage and organize materials from various sources from the internet, libraries, etc.

4.2.3. Demonstrate effective teaching and evaluating others.	d.5 Becomes an effective academic teacher and clinical trainer in the field of psychiatry. d.6 Put and use indicators for evaluating the performance of others.
4.2.4. Self-assessment and continuous learning.	d.7 Develop a life-long attitude of continuous self-improvement and continuous medical education.
4.2.5. use physical information resources (print, analog), online (electronic, digital,) text, audio-video, book and journal to address medical questions and knowledge to sustain professional growth.	d.8 Use different physical and electronic information sources including media (videos, audio) to become a competent internist.
4.2.6. Work as a member in larger teams and as well as a team leader knows how to develop "teaming strategy" to plan how people will act and work together.	d.9 Work as a team worker and leader while working with other colleagues and in larger teams. d.10 Develop leadership skills to manage fellows and teams.
4.2.7. Manage of scientific meetings and the ability to manage Time effectively.	d.11 Manage time effectively during clinical and academic work. d.12 Manage Scientific meetings according to the available time.

ANNEX (3)

Matrix of Coverage of program ILOs By Contents

Courses (List of courses in first and second parts)	Program Intended Learning Outcomes (ILOs)			
	A. Knowledge and Understanding	B. Intellectual skills	C. Professional and Practical Skills	D. General and Transferable skills
	A	B	C	D
1. Medical statistics and Research Design	A2,4,5	B3,4,6,7,8,9	C2,3,8	D1,2,3,4,5,6,7
2.Use of computer in medicine	A5	B3,4	C7,8	D1,3,4,8
3. Psychology and psychopathology	A1	B.1	C.1	D.4
4.medical Physiology	A1	B.1	C.1	D.4
5. Advanced Psychiatry	A1,2,3,4,5,6,7,8,9, 10,11	B2,5,7,8,9.10,11,12	C.1,2,3,4,5,6,7,8,9	D.1,2,3,4,5,6,7,8,9,10,11,12
6. Thesis	A.1,2,3,4,5	B.1,2,3,4,5,6,7,8,9	C.1,2,3,4,5,6,7,8	.1,2,3,4,5,6,7,8,9,10, 11,12

ANNEX (4)

Matrix of Coverage of program ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A1,2,3,4,5,6,7, 8,9,10,11	B.1,2,3,4,5,6,7, 8,9,10,11,12		
Clinical (Including case presentation and bed side clinical)			C.1,2,3,4,5,6,7,8,9	D.1,2,3,4,5,6,7
Presentation/seminar			C.1,2,3	D.1,2,3,4
Journal club	A1,2,3,4,5			D.1,2,3,4
Thesis discussion				D.1,2,3,4
Training courses & workshops		B.1,2,3,4,5,6,7,8, 9	C.1,2,3,4,5,6,7,8,9	

ANNEX (5)

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written exam	A.1,2,3,4,5,6			
Practical exam		B.1,2,3,4,5,6,7,8	C.1,2,3,4,5,6,7,8	
Clinical exam		B.1,2,3,4,5,6,7,8	C.1,2,3,4,5,6,7,8	
Oral Exam	A.1,2,3,4,5,6	B.1,2,3,4,5,6,7,8	C.1,4	
Assignment				D.1,2,3,4,5,6
Case presentation and discussion	A.1,2,3,4,5	B.1,2,3,4,5,6,7,8	C.1,4	
Thesis				D.1,2,3,4,5,6

Matrix of Coverage of program ILOs by Methods of Assessment

Program coordinator:Ass. Prof. Moustafa Mahmoud
Head of department:Prof. Nermin Ali Hamdy
Date of last update & approval by department council 3/2023

COURSES of MD Program in Psychiatry

Course specification of :

"Use of Computer in Medicine"

first part of MD program

University: Minia

Faculty: Medicine

Department offering the course: Public health and preventive medicine department

Department offering the programme: special medicine, neurology and psychiatry unit.

Program on which the course is given: First part of MD program in psychiatry.

Academic year/ Level: First part of MD

1. Course Information		
Academic Year/level: **First part MD**	Course Title: **Use of Computer in Medicine**	Code: **Psy100A**
• **Number of teaching hours:** - **Lectures:** 20 hours - **Practical/clinical:** 10 hours - **Total:** 30 hours		
2. Overall Aims of the course	***By the end of the course the student must be able to:*** 1. Recognize knowledge about the software and their applications in Medicine 2. Gain skills necessary for using and managing heath care information systems	
3. Intended learning outcomes of course (ILOs): ***Upon completion of the course, the student should be able to:***		

A. Knowledge and understanding	A.1. Define each part of computer hardware and its function A.2. Have a basic understanding of various computer applications in medicine - for instruction, information managing, and computer based medical record, etc. A.3. Define telemedicine and its importance A.4. Recognize importance of health information technology in improvement of healthcare A.5. Describe electronic medical records and obstacles facing it A.6. Identify the concept of big data analysis
B. Intellectual Skills	B.1. Criticize adoption of telemedicine B.2. Discover factors constraining adoption of telemedicine
C. Professional and Practical Skills	C.1. Design framework for understanding of health information system performance
D. General and transferable Skills	D.1. Utilize computers in conducting research D.2. Appraise adoption of telemedicine D.3. Discover skills to carry out the process of improving health information system performance

4. Course Contents

Topic	**No. of hours**	**Lecture**	**Tutorial/ Practical**
Use of Computer in Medicine			
General concepts Introduction to Microsoft PowerPoint	6	4	2
Health Information Systems (HIS)	6	4	2
Telemedicine	6	4	2
Software Used in the Health Care	6	4	2
Big Data Analysis in Health	6	4	2
Total	**30**	**20**	**10**

5. Teaching and Learning Methods	**Since COVID-19 pandemic, blended learning approach was adopted that mixes virtual face-to-face interaction activities with the online**

	learning. 60% of study method is offline and 40% of study is online **Online learning materials are available at Minia University site** ▪ Lectures: Face to face lectures, Pre-recorded video lectures ▪ Practical lessons ▪ Assignment ▪ Online quizzes
6. Teaching and Learning Methods for students with limited Capacity	• Outstanding student rewarded certificate of appreciation due to high level of achievement • Limited students divided into small group to make learning more effective
7. Student Assessment	
A. Student Assessment Methods	7.1- **Research assignment:** to assess general transferable skills, intellectual skills. 7.2- **Written exams:** • Short essay: to assess knowledge. • Commentary: to assess intellectual skills. 7.3- **Practical Exams:** to assess practical skills, intellectual skills. 7.4- **Oral Exams:** Oral exams to assess knowledge and understanding, attitude, communication 7.5- **Structured oral exams:** to assess knowledge.
B. Assessment Schedule (Timing of Each Method of Assessment)	Assessment 1: Final written exam week: 24-28 Assessment 2: Oral exam week: 24-28 Assessment 3: Practical exam week: 24-28
C. Weighting of Each Method of Assessment	Final Written Examination 100% Oral Examination 100% Practical Examination 100% Total 100%
8. List of References	
A. Course Notes/handouts	Department notes, lectures and handouts

B. Essential Books	Essential Medical Statistics, Betty R. Kirkwood and J. A. Sterne (2000), 2nd edition
C. Recommended Textbooks	Data Management and Analytics for Medicine and Healthcare: Begoli, Edmon, Fusheng Wang, and Gang Luo. Springer, 2017.
D. Periodicals, websites	- National Institutes of Health: http://www.nih.gov - American Medical Informatics Association: http://www.amia.org/

- **Course Coordinators:**

  ➢ **Coordinators:**

  1) **Lecturers:** Dr / Shaimma Mahmoud, Dr/ Chrestina Monir

- **Head of Department**:

  Professor Dr. Nashwa Nabil Kamal

Date of program specifications 1st approval by department council: 13 /5/2013.

Date of last update & approval by department council: 6/ 3 / 2023

Test blueprint for Uses of computer in Medicine course

Topic	Hour	% of topic	Total No. of items	Written exam (100 marks)		Marks (Percentages)	Modified marks (Percentages)
				Knowledge	Intellectual		
Use of Computer in Medicine							
General concepts Introduction to Microsoft PowerPoint	4	20%	6	4	2	30%	30%
Health Information Systems (HIS)	4	20%	4	4		20%	15%
Telemedicine	4	20%	6	2	4	25%	30%
Software Used in the Health Care	4	20%	5	4	1	20%	15%
Big Data Analysis in Health	4	20%	1	1		5%	10%
Total	20	100%	20			100%	100%

نموذج رقم (١١)

أكاديمية/ جامعة :المنيا

معهد/ كلية : الطب

قسم: الصحة العامة والطب الوقائى

Use of Computer in Medicine	**مسمى المقرر**
Psy 100 A	**كود المقرر**

Matrix of Coverage of Course ILOs By Contents

Contents (List of course topics)	**Week No.**	**Intended Learning Outcomes (ILOs)**			
		A. Knowledge & Understanding	**B. Intellectual Skills**	**C. Professional & Practical skills**	**D. General & Transferable Skills**
		A	**B**	**C**	**D**
Use of Computer in Medicine					
General concepts Introduction to Microsoft PowerPoint		A.1, A.2,			D.1
Health Information Systems (HIS)		A.4, A.5		C1	D.3
Telemedicine		A.3	B.1, .2		D.2
Software Used in the Health Care		A.5, A.6			D.1
Big Data Analysis in Health		A.6			

Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A.1 to A.6	B.1,		
Practical			C1	
Assignment	A.4	B.2		D1.D.2,D3

Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written paper based exam	A.1, to A.6	B.1		
Practical computer exam (For SPSS, PowerPoint)			C1	D.1
Oral Exam	A.4, A..6	B.2	C.1	D.2, D.3

Date of the last approval by department council: 6-3-2023
Head of the department signature:

Course specification of:

"Medical Statistics and Research Methodology"

First part of MD degree

University: Minia

Faculty: Medicine

Department offering the course: Public health and preventive medicine department

Department offering the programme: special medicine, neurology and psychiatry unit.

Programme on which the course is given: First part of MD program in psychiatry

Academic year/ Level: First part of MD

1. Course Information		
Academic Year/level: **First part MD**	Course Title: **Medical Statistics and Research Methodology**	Code: **Psy100 B**
Number of teaching hours: - **Lectures:** 30 hours - **Practical/clinical:** 15 hours - **Total:** 45 hours		
2. Overall Aims of the course	***By the end of the course the student must be able to:*** 1. Gain skills necessary for proper practice in the field of Research Methods including diagnostic, problem solving and decision making skills. 2. Apply ethical principles of scientific research with good awareness about patient´s rights. 3. Use precisely the research methodology in researches	

	4. Influence the students to adopt an analytical thinking for evidence-based medicine 5. Enable graduate students to use statistical principles to improve their professional work and develop the concept of critical interpretation of data 6. To use precisely computer programs SPSS, Epi Info and Excel in data analysis
3. Intended learning outcomes of course (ILOs): ***Upon completion of the course, the student should be able to:***	
A. Knowledge and understanding	A.1. Define terms of research methodology . A.2. Describe the spectrum of research methodology . A.3. Explain tie strategies and design of research . A.4. Describe the study design, uses, and limitations . A.5. Explain evidence-based Medicine A.6. Define causation and association . A.7. Tell the principles and fundamentals of ethics. A.8. Describe the different sampling strategies A.9. Summarize the advantages and disadvantages of different sampling strategies A.10. Summarize different methods of samples size calculation A.11. Recognize the sources and the recent methods in data collection and analysis. A.12. Identify the types of variables A.13. Identify types of tabular and graphic presentation of data A.14. Describe the normal curves and its uses A.15. Identify the characters of normal distribution curve A.16. Identify measures of central tendency and measures of dispersion A.17. Explain regression analysis, its use and differentiate its types A.18. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests A.19. Explain the usefulness of screening tests

B. Intellectual Skills	B.l. Apply research methods to different community health problems. B.2. Apply appropriate research strategies for use . B.3. Select appropriate research methods . B.4. Teach and advocate appropriately in the research design. B.5. Describe the normal curves B.6. Describe and summarize data B.7. Select the proper test of significance for a specific data. B.8. Interpret selected tests of significance and the inferences obtained from such tests
C. Professional and Practical Skills	C.1. Plan a research proposal for community diagnosis. C.2. Design questionnaires. C.3. Conduct research. C.4. Judge association and causation. C.5. Criticize for bias and confounding factors C.6. Design data entry file C.7. Validate data entry C.8. Manage data files C.9. Construct tables and graphs C.10. Calculate different samples sizes C.11. Calculate measures of central tendency and measures of dispersion C.12. Calculate sensitivity, specificity, and predictive values
D. General and transferable Skills	D.l. Lead a research team to conduct a specific study . D.2. Take part and work coherently with his associates to in research. D.3. Write scientific papers. D.4. Appraise scientific evidence D.5. Analyze and interpret data D.6. Use standard computer programs for statistical analysis effectively

4. Course Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Research methods			

Introduction : - Introduction to research. - Terminology and Rationale - Originality		3	
- Study design : -Cross sectional study and the prevalence rate -Cohort study, incidence rate, relative & attributable risk -Case-control study, Odd's ratio sampling -Experimental study and clinical trials		4	
- Sources of Errors in Medical Research **- Bias and confounding and its Control.**		3	
- Validity and reliability		2	
- The questionnaire design		2	
- Writing the Research Paper or Manuscript **- Protocol Writing**		2	2
- Critic technique for the literature review		2	2
- Association and causation		1	
- Evidence -based approach in medical practice		2	1
- Ethics of medical research		2	
Statistics			
Sampling		1	
Introduction to Sample Size Calculation		1	1
Data presentation		1	1
Tests of significance		2	
Introduction to SPSS		1	1
Proportion test			1
Chi-square test			1
Student T test, Paired T test			1
ANOVA test			1
Correlation (simple and multiple)			1
Regression			1
Screening		1	1
Total		**30**	**15**

5. Teaching and Learning Methods

Since COVID-19 pandemic, blended learning approach was adopted that mixes virtual face-to-face interaction activities with the online learning. 60% of study method is offline and 40% of study is online

Online learning materials are available at Minia University site

- Lectures: Face to face lectures, Pre-recorded video lectures
- Practical lessons
- Assignment
- Online quizzes

6. Teaching and Learning Methods for students with limited Capacity	• Outstanding student rewarded certificate of appreciation due to high level of achievement • Limited students divided into small group to make learning more effective
7. Student Assessment	
D. Student Assessment Methods	7.1- **Research assignment:** to assess general transferable skills, intellectual skills. 7.2- **Written exams:** • Short essay: to assess knowledge. • Commentary: to assess intellectual skills. 7.3- **Practical Exams:** to assess practical skills, intellectual skills. 7.4- **Oral Exams:** Oral exams to assess knowledge and understanding, attitude, communication 7.5- **Structured oral exams:** to assess knowledge.
E. Assessment Schedule (Timing of Each Method of Assessment)	Assessment 1: Final written exam week: 24-28 Assessment 2: Oral exam week: 24-28 Assessment 3: Practical exam week: 24-28
F. Weighting of Each Method of Assessment	- Final Written Examination 100% - Oral Examination 100% - Practical Examination 100% - Total 100%
8- List of References	
A. Course Notes/handouts	- Department notes, lectures and handouts
B. Essential Books	- The Lancet Handbook of Essential Concepts in Clinical Research
C. Recommended Textbooks	***Research methods:***

	- **Introducing Research Methodology**; A Beginner's Guide to Doing a Research Project - **Understanding Clinical Research**, Renato Lopes and Robert Harrington; ISBN-10: 0071746781 | ISBN-13: 978-0071746786 - **Users' guides to the medical literature: a manual for evidence-based clinical practice:** Guyatt, G., D. Rennie, M. Meade and D. Cook (2002), AMA press Chicago. - **Research Methods in Community Medicine:** Surveys, Epidemiological Research, Programme Evaluation, Clinical Trials, 6th Edition Joseph Abramson, Z. H. Abramson ***Computer:*** - Discovering statistics using IBM SPSS statistics, Field, A. (2013). sage. - Medical Statistics: A Guide to SPSS, Data Analysis and Critical Appraisal, Belinda Barton, Jennifer Peat - 2nd EditionEveritt, Brian S. - Medical statistics from A to Z: a guide for clinicians and medical students. Cambridge University Press, 2021. - Bowers, David. Medical statistics from scratch: an introduction for health professionals. John Wiley & Sons, 2019. - Aviva, P. (2005): Medical Statistics at a Glance, Blackwell Company, 2nd , ed., Philadelphia
D. Periodicals, websites	- https://phrp.nihtraining.com/users/login.php - http://www.jhsph.edu/ - Journal of Biomedical Education

	- https://lagunita.stanford.edu/courses/Medicine/MedStats-SP/SelfPaced/about?fbclid=IwAR3nfirLM4wnuEqqUjLjk8TCR7lzPdnpGqwin06L-GjFq32a62w3j6R5s9c

- **Course Coordinators:**

  ➢ **Coordinators:**

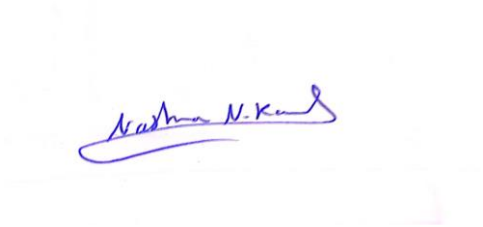
  Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud

  Head of Department:

  Professor Dr. Nashwa Nabil Kamal

Date of program specifications 1st approval by department council: 13 /5/2013.

Date of last update & approval by department council: 6 / 3 / 2023



Test blueprint for Research methodology course

Topic	Hour	% of topic	Total No. of items	Written exam (100 marks)		Marks (percentages)	Modified marks (Percentages)
				Knowledge	Intellectual		
Research							
Introduction: - Introduction to research. - Terminology and Rationale - Originality	3	10%	5	4	1	7%	5%
- Study design	4	13.3%	8	3	5	17%	17%
- Sources of Errors in Medical Research - Bias and confounding and its Control.	3	10%	4	2	2	13%	10%
- Validity and reliability	2	6.67%	3	2	1	7%	5%
- The questionnaire design	2	6.67%	3	1	2	5%	5%
- Writing the Research Paper or Manuscript - Protocol Writing	2	6.67%	4	1	3	13%	10%
- Critic technique for the literature review	2	6.67%	2	1	1	7%	5%
- Association and causation	1	3.33%	3	2	1	7%	8%
- Evidence -based approach in medical practice	2	6.67%	1	1		3%	5%
- Ethics of medical research	2	6.67%	2	2		3%	6%
Statistics							
Sampling	1	3.33%	2	1	1	4%	4%
Introduction to Sample Size Calculation	1	3.33%	1	1		2%	2%
Data presentation	1	3.33%	3	2	1	5%	4%
Tests of significance	2	6.67%	2	1	1	8%	8%
Introduction to SPSS	1	3.33%	1	1		3%	3%
Screening	1	3.33%	2	1	1	3%	3%
Total	**30**	**100%**					**100%**

نموذج رقم (١١)

Medical Statistics and Research Methodology	مسمى المقرر
Psy 100 B	كود المقرر

جامعة/أكاديمية : المنيا

كلية / معهد: الطب

قسم: الصحة العامة والطب الوقائي

Matrix of Coverage of Course ILOs By Contents

Contents (List of course topics)	Week No.	Intended Learning Outcomes (ILOs)			
		A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
		A	B	C	D
Introduction : - Introduction to research. - Terminology and Rationale - Originality		A.1, A.2,			
- Study design : -Cross sectional study and the prevalence rate -Cohort study, incidence rate, relative & attributable risk -Case-control study, Odd's ratio sampling -Experimental study and clinical trials		A.3, A.4,	B.l, B.2, B.3, B.4,	C.1,	
- Sources of Errors in Medical Research - Bias and confounding and its Control.			B.3,	C.5	
- Validity and reliability					

- The questionnaire design				C.2,	
- Writing the Research Paper or Manuscript **- Protocol Writing**			B.3,	C.3,	D.1, D.2, D.3
- Critic technique for the literature review					
- Association and causation		A.6,		C.4,	
- Evidence -based approach in medical practice		A.5,			
- Ethics of medical research		A.7			
Statistics					
Sampling		A.8, A.9, A.11			D.4
Introduction to Sample Size Calculation		A.10		C.10	D.4
Data presentation		A.13, A.14	B.6	C.9	D.4
Tests of significance		A.15, A16	B.5	C.11	D.4
Introduction to SPSS		A.12	B.6	C.6, C7, C8	D.5, D.6
Proportion test		A.11	B.7, B8		D.5, D.6
Chi-square test		A.11	B.7, B8		D.5, D.6
Student T test, Paired T test		A.11	B.7, B8		D.5, D.6
ANOVA test		A.11	B.7, B8		D.5, D.6
Correlation (simple and multiple)		A.11	B.7, B8		D.5, D.6
Regression		A.17	B.7, B8		D.5, D.6
Screening		A.18, A.19	B.7, B8	C.12	D.4

Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A.1, A.2, A.3, A.4, A.5, A.6, A.7 , A.8,A9,A10,A11,A12,A13 A.14, A.15, A.16,A17, A.18	B.1, B.2, B.3, B.4, B5,B.6, B.7, B.8		
Practical			C1, C.3, C4, C.5, C.6, C.7, C.8. C.9, C.10, C11,C.12	
Assignment	A.11, A.13, A.18	B.7, B.8	C.2, C.6, C.8, C.9, C.10, C.12	D.1, D.2., D.4, D.5, D.6

Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written paper based exam	A.3, A.4, A.5, A.6, A.7, A.8, A.9, A.14, A.15, A16, A18	B.3, B.5,		
Practical exam (Statistical exam)			C.1, C.2, C.5, C.6, C.7,C.8, C.9, C.10, C.11, C.12	
Oral exam	A.10, A11, A.12, A13, A.15, A.16, A.17, A18	B.1, B.2, B.6, B.7, B.8		D.1, D.2, D.5, D.6

Date of the last approval by department council: 6-3-2023
Head of the department signature:

Course Specifications of Psychology and psychopathology
1st Part of MD Program of Psychiatry
2022/2023

University: Minia

Faculty: Medicine

Department: special medicine, Neurology and psychiatry unit

1. Course Information

• **Academic Year/level: 1st part of** MD of Psychiatry.	• **Course Title:** Psychology and psychopathology.	• **Code: PSY 100 C**

• **Number of teaching hours:**

- **Lectures:** Total of **48** hours; **2** hours/week
- **Practical/clinical:** Total of **28** hours; **2** hours/week

2. Overall Aims of the course	*By the end of the course the student must be able to:* 1. Gain mastery of basics, methodology and tools of scientific research and medical audit in the field of psychology and psychopathology 2. Improve clinical practice in the field of psychology and psychopathology 3. Acquire the medical knowledge in the field of psychology and psychopathology with other relevant sciences and apply such knowledge during professional practice 4. provide solutions for common health problems in the field of psychology and psychopathology 5. Acquire competency in a wide range of professional skills in common areas of specialty, from basic practice and related clinical care to evidence-based clinical application, and acquisition of skills to manage independently all problems in the field of psychology and psychopathology 6. Improve the professional practice of psychology and psychopathology 7. Gain comprehensive awareness of common public health problems and plan to improve & maintain health care on system-based approach 8. Show appropriate attitudes and professionalism that reflect obligation to credibility and principles of medical practice. 9. Gain commitment for lifelong learning, self-development and continuous medical education in the field of psychology and psychopathology as well as educating others.

3. Intended learning outcomes of course (ILOs): ***Upon completion of the course, the student should be able to:***	
A- Knowledge and Understanding	A1. Describe theories, basics and updated knowledge in the fields of psychology, perception, attention, memory, intelligence, thinking, developmental psychology, social psychology, personality, sleep, learning emotions and aggression. A2. Describe theoretical basis of contemporary schools (psychoanalysis, behaviorism, transactional psychology, gestalt psychology, existential psychology) A3. State recent advances in the fields of psychology and psychopathology A4. Outline basics, methodology, tools of psychometric assessment including assessment of intelligence, personality and organic brain disorders. A5. Identify the effect of professional practice issues on public health and health policies and methods of maintenance of public health and plan for system-based improvement
B- Intellectual Skills	B1. Appraise & interpret relevant basic information, pathological features, then correlate them with essential clinical data to produce a list of differential diagnosis. B2. Solve problems based on analysis of available data for common health problems by giving a list of differential diagnosis for further advanced investigations. B3. Conduct efficiently the proposed research thesis B4. Develop the basic skills of scientific writing of papers B5. Evaluate & manage efficiently potential risks that may arise during the professional practice in the field of psychology and psychopathology in various practical situations. B6. Plan for acquiring of necessary skills of basic and modern psychometric assessment techniques. B7. Manage evidence-based discussion during case-presentation

C- Professional and Practical Skills	C1. Take proper history in conditions related to psychology and psychopathology. C2. Order the appropriate psychometric tests related to psychiatric conditions. C3. Interpret the findings of psychometric tests.

D- General and transferable Skills	D1. Communicate effectively skills in various circumstances and contexts including students, colleagues, senior staff, technicians, patients and other health care workers D2. Use efficiently information technology (IT) including data entry & analysis D3. Demonstrate skills of teaching others and evaluating their performance. D4. Assess personal learning needs and planning for self-development and continuous medical education. D5. Use efficiently available information resources to get basic & recent knowledge. D6. Work efficiently as a team member as well as a team leader in various professional events & circumstances. D7. Demonstrate basic & essential competencies for management of scientific meetings and manage time efficiently.

4. Course Contents

Topic	Lecture hours/week	Practical/Clinical hours/week	Total No. of hours hours/week
GENERAL Psychology			
1. Fields of psychology	4	4	8
2. Perception	4	-	4
3. Attention	4	2	6
4. Thinking	3	3	6
5. Memory	4	-	4
6. Learning	3	3	6
7. Personality	4	-	4
8. Intelligence	2	-	2
9. Sleep and dreams	4	4	8
10. Emotions	4	-	4
11. Aggression	4	-	4
12. Social psychology	6	6	12
13. Developmental psychology	6	6	12
Total	48	28	76

5. Teaching and Learning Methods	5.1. Lectures. 5.2. clinical: group psychotherapy sessions 5.3. Self-learning activities such as use of internet and multimedia 5.4. Tutorial & regular weekly seminars, case presentation, training courses & workshops
6. Teaching and Learning Methods for students with limited Capacity	-
7. Student Assessment	

A. Student Assessment Methods	1. Written exam to assess the capability of the candidate for assimilation and application of the knowledge included in the course. 2. clinical exam to assess ability of the candidate for applying information studied in the course in psychodynamic formulation of the patients. 3. Oral exam to assess the student intellectual and communication abilities regarding basic knowledge and understanding of the course topics, and to help the teaching staff to evaluate the % of achievement of the intended learning outcome of the course.
B. Assessment Schedule (Timing of Each Method of Assessment)	Assessment 1: Written exam at the end of course. Assessment2: clinical, after passing the written exam. Assessment 3: Oral exam, after passing the written exam.
C. Weighting of Each Method of Assessment	**Type of Assessment %** • **Written** examination (40%) • **Practical** examination (40%) • **Oral** examination. (20%) **Total** (100%) ***N.B.*** - *Score of ≥ 60% of the written exam is essential to allow the student to perform both oral & clinical/ practical exams* - *For each exam, ≥ 60% is essential to pass*.

8. List of References	
A. Course Notes/handouts	1 –Psychology and psychopathology notes: prepared by staff members
B. Recommended Text Books	2- A textbook of human psychology
C. Periodicals, websites	To be determined and update during the course work. 1-American Journal of psychology 2- www.pubmed.com

Course Coordinator:

Dr. Mustafa Mahmoud Abdelnaem

Head of Department:

Prof. Dr. Nermin Aly Hamdy.

Date of last update & approval by department Council: 6/3/2023

Blueprint of Psychiatry MD Psychology and Psychopathology Examination paper

Postgraduate Psychology and Psychopathology Course for MD degree (1st part) of Psychiatry

(Code: PSY100 C)

	Topic	Hours	Knowledge %	Intellectual %	N of items per topic	Written exam		% of Marks
						Knowledge	Intellectual	
1	Fields of psychology	8	100		3	3		10.5
2	Perception	4	100		1	1		5.3
3	Attention	6	50	50	2	1	1	7.9
4	Thinking	6	25	75	2	1	1	7.9
5	Memory	4	50	50	2	1	1	5.3
6	Learning	6	40	60	2	1	1	7.9
7	Personality	4	100		1	1		5.3
8	Intelligence	2	100		1	1		2.6
9	Sleep and dreams	8	70	30	3	2	1	10.5
10	Emotions	4	70	30	2	1	1	5.3
11	Aggression	4	50	50	2	1	1	5.3
12	Social psychology	12	75	25	4	3	1	16.4
13	Developmental psychology	12	60	40	4	2	2	16.4
	Total	**76**						**100%**

نموذج رقم (١١)

مسمى المقرر	**Psychology and psychopathology**
كود المقرر	**Psy 100 C**

جامعة/أكاديمية : المنيا

كلية / معهد: الطب

قسم: الأمراض العصبية والنفسية

Matrix of Coverage of Course ILOs By Contents

Contents (List of course topics)	Week No.	Intended Learning Outcomes (ILOs)			
		A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
		A	B	C	D
Fields of Psychology		A.1, A.2			
Perception		A.1, A.3, A.4	B.l, B.2, B.3, B.4,	C.1,	D.1
Attention		A.1	B.3	C.2	D.2
Thinking		A.1	B.4		D.3
Memory		A.1	B.5	C.2	D.1, D.2
Learning		A.1	B.3	C.3	D.1, D.2, D.3
Personality		A.1, A.2	B.6		D.4
Intelligence		A.5	B.7	C.1	D.5
Sleep and dreams		A.5,	B.1, B.2		D.6
Emotions		A.4	B.3		
Aggression		A.2	B.4		D.7
Social psychology		A.1	B.5	C.1	D.7
Developmental psychology		A.1, A.5	B.6	C.2	D.7

Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A.1, A.2, A.3, A.4, A.5	B.1, B.2, B.3, B.4, B5,B.6, B.7		
Practical			C1, C.3	
Assignment	A.1, A.3, A.5	B.6, B.7	C.2, C.3	D.1, D.2., D.4, D.5, D.6, D.7

Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written paper based exam	A.1, A.2, A.3, A.4, A.5	B.1, B.2, B.3, B.4, B.5, B.6, B.7		
Oral exam	A1, A.2, A3	B.1, B.2, B.4, B.6, B.7	C.1, C.2, C.3	D.1, D.2, D.3, D.4, D.5, D.6, D.7

Course coordinator
Ass. Prof. Moustafa Mahmoud

Head of department
Prof. Nermin Ali Hamdy

Date of last update & approval by department council 3/2023

جامعة: المنيا
كلية : الطب البشري
قسم: الفسيولوجيا الطبية

Medical Physiology Course Specifications

For 1st Part MD Degree in Psychiatry

University: Minia
Faculty: Medicine
Faculty offering the program: Faculty of Medicine.
Department offering the course: Medical Physiology Department.
Program(s), on which the course in given: MD Degree in **Psychiatry**.
Major or minor element of program(s): Medical Physiology.
Academic year/level: 1st part **MD** degree in **Psychiatry**.
Date of specification approval: 2022-2023

Basic Information

Title: Physiology course specifications for 1st part MD degree of **Psychiatry**
Code: Psy 100 D **Credit Hours:** Not applicable
Lectures: 2 hours / week
Tutorial/Practical: Not applicable

Professional information

1) OVERALL AIM OF COURSE:

The aim of the course is to provide the postgraduate students with knowledge about the physiological principles underlying neuro-psychological diseases that aid in interpretation of symptoms, investigations and management.

INTENDED LEARNING OUTCOMES OF COURSE (ILOS)

A. Knowledge and Understanding:

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

A1. Physiology of Hematological System (Blood):.

1.1. Explain the mechanism, factors affecting erythropoiesis & disorders.

A2. Physiology of Cardiovascular System (CVS):

2.1. Describe the factors affecting and regulation of arterial blood pressure (ABP).

A3. Physiology of Autonomic Nervous System (ANS):

3.1. Identify the stress response and the functional differences between sympathetic & parasympathetic nervous systems, and their chemical transmitters.

A4. Physiology of Excitable Tissues:

4.1. Identify the types of nerve potentials and their relation to excitability.
4.2. Discuss the mechanisms of skeletal muscles contraction and its disorders.

A5. Physiology of Central Nervous System (CNS):

5.1. Discuss cell signaling in the nervous system and different types of neurotransmitters.
5.2. Discuss the functional unit of the reflex arc and its different components,
5,3. Describe the physiology of pain,
5.4. Discuss the muscle tone and its disorders.
5.5. Describe the physiology of the limbic system, reticular formation, hypothalamus, thalamus and basal ganglia and their disorders.
5.6. Identify the different higher intellectual functions including memory, learning, speech, emotions, behavior and EEG.

A6. Physiology of the Neuroendocrine System:

6.1. Describe in detail the neuro endocrine cooperation for control of body functions.

A7. Physiology of Special Senses:

7.1. Discuss in brief the visual pathway & the effects of its lesions at different levels.
7.2. Describe the auditory pathway & the effects of its lesions.
7.3. Identify the pathway of smell & taste sensations & their common disorders.

B. Intellectual Skills:

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

B1. Develop the skills for demonstrating different functions of the body systems related to the psychiatry to diagnose deviation from normality as detected disease state.

B2. Assess the problems associated with different factors, which affect the normal function of different body systems related to the nervous system.

C. Practical Skills:

Practical hours: -

D. General and Transferable Skills:

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

D1. Adopt the principles of lifelong learning.

D2. Prepare and present clearly and effectively a scientific topic in a tutorial, a staff meeting or the yearly scientific day.

D3. Work efficiently within a team, honor and respect his colleagues.

Curriculum structure & contents:

Topic:	No. of Lectures	Total no. of hours
1. Physiology of Haematological System (Blood): • Erythropoiesis & anaemia.	1	2
2. Physiology of Cardiovascular System (CVS): • Arterial blood pressure (APB); factors affecting & its regulation.	1	2
3. Physiology of Autonomic Nervous System (ANS): • The stress response and the functional differences between sympathetic & parasympathetic nervous systems, and their chemical transmitters.	4	8
4. Physiology of Excitable Tissues: • Types of nerve potentials and their relation to excitability. • The mechanisms of skeletal muscles contraction and its disorders.	3	6
5. Physiology of Central Nervous System (CNS): • Cell signalling in the nervous system and different types of neurotransmitters. • The functional unit of the reflex arc and its different components, • The physiology of pain, • The physiology of muscle tone and its disorders. • The physiology of the limbic system, reticular formation, hypothalamus, thalamus, basal ganglia and their disorders. • The physiology of the different higher intellectual functions including memory, learning, speech, emotions, behaviour and EEG.	12	24
6. Physiology of the Neuroendocrine System: • The physiology of the neuro endocrine cooperation for control of body functions.	2	4
7. Physiology of Special Senses: • Visual pathway. • Auditory pathway. • Smell & taste.	1	2
Total	**24**	**48**

TEACHING AND LEARNING METHODS:

1. Lectures (2hr/wk.) throughout the academic year interchangeable with recorded lectures.
2. Self-learning activities such as use of internet and multimedia.

STUDENT ASSESSMENT METHODS:

1. **Written exam** to assess the student's knowledge in the form of short essay questions and /or MCQs.
2. **Oral exam** to assess student's knowledge, intellectual and general skills as well as assessing the verbal communication abilities.
3. **Log book.**

Assessment Schedule:

- **Assessment 1:** Final written exam (1 hr.)
- **Assessment 2:** Final oral exam.

Weighting of assessment:

- **Final written exam 100%**
- **Final oral exam 100%**
- **Total 100%**

LIST OF REFERENCES:

1. **Department books and notes.**
   Prepared by Medical Physiology Department staff members, Faculty of Medicine, Minia University.
2. **Essential books (Text Books):**
   - Ganong review of medical physiology.
   - Guyton text book of medical physiology.
3. **Periodicals, Web sites… etc.**

FACILITIES REQUIRED FOR TEACHING AND LEARNING:

1. Classrooms with data show for lectures.
2. Computers and internet facilities.

Course Coordinator(s),
Prof. Dr. Ibrahim Yahia Ibrahim
Ass. Prof. Dr. Fatma Farrag Ali
Head of Medical Physiology Department,
Prof. Dr. Merhan Mamdouh Ragy
Date of last update & approval by department council 3/2023

Merhan M. Ragy

Blueprint of Psychiatry MD Physiology Examination paper

Postgraduate Physiology Course for MD degree (1st part) of Psychiatry

(Code: PSY100D) (100 marks)

Topic	Hours	Knowledge %	Intellectual %	Weight %	Total Marks	Actual Mark
ILOS 1 and 2 Physiology of blood and Cardiovascular System (CVS): Erythropoiesis & anemia. Arterial blood pressure (APB); factors affecting & its regulation.	4	75	25	8.33	8.33	8
ILO 3 Physiology of autonomic nervous System: The stress response and the functional differences between sympathetic & parasympathetic nervous systems, and their chemical transmitters.	8	75	25	16.67	16.67	17
ILO 4 Physiology of excitable tissues: Types of nerve potentials and their relation to excitability. The mechanisms of skeletal muscles contraction and its disorders.	6	75	25	12.5	12.5	13
ILO 5 Physiology of CNS: Cell signaling in the nervous system and different types of neurotransmitters. The functional unit of the reflex arc and its different components. The physiology of pain. The physiology of muscle tone and its disorders. The physiology of the limbic system, reticular formation, hypothalamus, thalamus, basal ganglia and their disorders. The physiology of the different higher intellectual functions including memory, learning, speech, emotions, behavior and EEG.	24	75	25	50	50	50
ILO 6 Physiology of the neuroendocrine system: The physiology of the neuro endocrine cooperation for control of body functions.	4	75	25	8.33	8.33	8
ILO 7 Physiology of special senses: Visual pathway, auditory pathway, smell and taste.	2	75	25	4.17	4.17	4
Total	48			100%	100	100

Date of last update & approval by department council 3/2023

Head of department signature

Mohan M.Ragy

Physiology course specifications for **1st Part MD degree in Psychiatry**	مسمى المقرر
PSY100 D	كود المقرر

A. Matrix of Coverage of Course ILOs by Contents

Contents	Intended Learning Outcomes ILOs																			
	A. Knowledge & Understanding															B. Intellectual skills		D. General & Transferable Skills		
	A 1.1	A 2.1	A 3.1	A 4.1	A 4.2	A 5.1	A 5.2	A 5.3	A 5.4	A 5.5	A 5.6	A 6.1	A 7.1	A 7.2	A 7.3	B 1	B 2	D 1	D 2	D 3
Physiology of (Blood)	X															X	X	X	X	X
Physiology of (CVS)		X														X	X	X	X	X
Physiology of (ANS)			X													X	X	X	X	X
Physiology of Excitable Tissues				X	X											X	X	X	X	X
Physiological of (CNS)						X	X	X	X	X	X					X	X	X	X	X
Physiologic basis of Endocrinal System												X				X	X	X	X	X
Physiologic of Special Senses													X	X	X	X	X	X	X	X

B. Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lectures	X	X	-	X
Self-learning activities	X	X	-	

C. Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written exam	X	X	-	-
Oral Exam	X	X	-	X
Log Book	X	X	-	X

Course coordinator
Prof. Ibrahim yahya Ibrahim
Ass. Prof. Fatma farrag Ali

Head of department
Prof. Merhan Mamdouh Ragy

Date of last update & approval by department council 3/2023

Merhan M. Ragy

Course Specifications of Advanced Psychiatry
2nd Part of MD Program of Psychiatry
2022/2023

University: Minia

Faculty: Medicine

Department: Special medicine, Neurology and Psychiatry unit

1. Course Information

• **Academic Year/level:** Psychiatry MD.	• **Course Title:** Advanced Psychiatry.	• **Code: PSY100E**

• **Number of teaching hours:**

- **Lectures:** Total of **62** hours; **2** hours/week
- **clinical:** Total of **88** hours; **2** hours/week

2. Overall Aims of the course	*By the end of the course the student must be able to:* 1. Gain mastery of basics, methods and tools of scientific research 2. Provide developments to the field of psychiatry through research 3. Acquire the medical knowledge in the field of psychiatry with other relevant sciences and apply such knowledge in practical skills 4. Provide solutions for health problems in the field of psychiatry 5. Gain a wide range of professional skills in common areas of specialty, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in the field of psychiatry 6. Improve new methods and approaches in the professional medical practice of the field of psychiatry 7. Use suitable technologies to improve the professional medical practice in the field of psychiatry 8. Acquire effective communication skills and leadership competencies in different professional situations. 9. Gain decision making capabilities in different situations in view of the available data 10. Provide effective management skills & improvement of available resources and have the competency to get new resources 11. Acquire awareness of public health and health policy issues and have the ability to improve & maintain health care and carryout system-based improvement of it. 12. Show appropriate attitudes and professionalism that reflect adherence to credibility and principles of medical practice. 13. Gain commitment for lifelong learning and maintenance of competence and ability for continuous medical education in subsequent stages in the field of psychiatry as well as teaching others.

3. Intended learning outcomes of course (ILOs): ***Upon completion of the course, the student should be able to:***	
A- Knowledge and Understanding	A1. Discuss theories, principles and updated knowledge in the fields of Psychiatry. A2. Discuss etiology, pathogenesis, etiology, clinical manifestations, fate and complications of main common disease categories that may affect the Nervous systems. A3. Outline recent scientific development in the fields of disease biomarkers. A4. Describe basics & methods of application of ethics and medico-logical aspects and quality assurance during the professional practice of Psychiatry. A5. Outline the mutual effect of professional practice issues & public health and health policies and methods of maintenance & improvement of public health.
B- Intellectual Skills	B1. Assess & interpret relevant basic information, history taking then correlate them with available clinical data to reach a final correct diagnosis. B2. Solve problems based on analysis of available data through the approach of investigative & analytical thinking by making a list of differential diagnosis for further advanced investigations. B3. Conduct scientific research efficiently. B4. Master writing scientific papers and select suitable journals for publication B5. Assess & manage competently potential risks that may develop during the professional practice of Psychiatry in various practical contexts such as during diagnosing and investigating patients. B6. Show the essential skills of basic & recent Neurological techniques. B7. Integrate the skills of critical appraisal & decision making in different professional settings & circumstances during the professional practice of Psychiatry. B8. Innovate new methods, tools & ideas in the different aspects of the field of Psychiatry. B9. Manage professionally evidence-based discussion during case-presentation, workshops & seminars

C- Professional and Practical Skills	C1. Categorize methods and tools of diagnosis existing in the area of psychiatric disorders. C2. Practice competently standard and recent investigations in Psychiatry. C3. Master the modern professional skills of neurophysiological techniques that enable reaching a final & correct diagnosis C4. Write professionally a Neurophysiology report on evidence-based approach, through analytical approach and correlation of findings together with available clinical data. C5. Evaluate & develop plans for improvement of current methods and tools used in diagnosis. C6. Discuss with consultants the issues of principle techniques and other issues related to safety and maximizing the use of the available resources and ensure maintaining them. C7. Use competently the different technological devices during reporting, archiving & scientific writing. C8. Plan for professional self-development as well as enhancement of performance of others.

D- General and transferable Skills	D1. Communicate effectively in different settings & events that may involve different groups such as students, junior staff, colleagues, senior staff, technicians, patients and other health care workers D2. Use competently information technology (IT) including data entry & analysis to enhance data management and to achieve improvement of the professional practice D3. Show efficient skills of educating others and assessment of their performance. D4. Evaluate personal needs and plan for self-development and continuous medical education. D5. Use efficiently available information resources to get principle & updated knowledge related to the field of psychiatry D6. Work competently as a team-leader as well as a team member in different professional contexts. D7. Demonstrate competency for management of scientific meetings and efficient time-management.

4. Course Contents

Topic	Lecture hours/week	Practical/Clinical hours/week	Total No. of hours hours/week
Psychiatry			
1.**History and mental status examination Examination**	4	2	6

2. **Psychiatric disorders** - Schizophrenia spectrum and other psychotic disorders - Mood disorders - Anxiety disorders - Sleep disorders - Personality disorders - Eating disorders - Elimination disorders - Sexual dysfunctions and paraphilias - Somatic symptom and related disorders - Liaison psychiatry - Psychiatric emergencies - Child psychiatry - Geriatric psychiatry - Forensic psychiatry - Psychopharmacology - Psychotherapy - Epidemiology of psychiatric disorders - Laboratory and imaging in psychiatry psychiatry	3 3 3 2 2 2 2 2 2 2 2 2 2 3 2 2	5 5 5 5 3 3 3 3 4 4 4 4 -- 4 -- 3	8 8 8 7 5 5 5 5 6 6 6 6 2 7 2 5
3.**Psychiatric emergencies** - Suicide -Neuroleptic malignant syndrome -Agitation -Substance intoxication -Critically ill patient	2 2 3 4 3	4 4 4 4 4	6 6 7 8 7

Total hrs.	62	88	150
5. Teaching and Learning Methods	5.1. Lectures. 5.2. clinical: case presentation and mental status examination in psychiatric outpatient clinic. 5.3. training courses and workshops. 5.4. Regular weekly seminars. 5.5. journal club		
6. Teaching and Learning Methods for students with limited Capacity	- Additional lectures, adjusting time and place of lectures according to their schedule and capacity		

7. Student Assessment	
A. Student Assessment Methods	1. Written exam to assess the capability of the candidate for assimilation and application of the knowledge included in the course. 2. clinical exam to assess ability of the candidate for applying information studied in the course in history taking, examination and diagnosis. 3. Oral exam to assess the student intellectual and communication abilities regarding basic knowledge and understanding of the course topics, and to help the teaching staff to evaluate the % of achievement of the intended learning outcome of the course. 4. Log book that include: Assignments, group psychotherapy attendance, seminars, case presentations, workshops and others
B. Assessment Schedule (Timing of Each Method of Assessment)	Assessment 1: 2 written exam by the end of the course. Assessment 2: clinical exam. Assessment 3: Oral exam, after the written exam.
C. Weighting of Each Method of Assessment	**Type of Assessment %** • Written examination: Paper 1 : 100 Paper 2: 100 Commentary: 100 • Clinical exam: 100 • Oral exam: 100
	N.B. - *Score of ≥ 60% of the written exam is essential to allow the student to perform both oral & clinical/ practical exams* - *For each exam, ≥ 60% is essential to pass*.
8. List of References	

A. Course Notes/handouts	1 -Psychiatry course notes: Prepared by the department staff.
B. Essential Books	-Current diagnosis &treatment Psychiatry, 3rd edition, 2019 - Brain Calipers - Sim's Descriptive psychopathology
C. Recommended Text Books	Synopsis of psychiatry. Kaplan and Sadock. 2021
D. Periodicals, websites	To be determined and update during the course work -Psychiatry Journal, http://www.pubmed.com http://www.medscape.com http://www.sciencedirect.com

Course Coordinator: Dr. Mustafa Mahmoud
Head of Department: Prof. **Dr. Nermin Aly Hamdy**

Professor of Psychiatry, Faculty of medicine – Minia university

Date of last update & approval by department Council: 6/3/ 2023

Blueprint of Psychiatry MD Advanced Psychiatry Examination paper

Postgraduate Advanced Psychiatry Course for MD degree (2nd part) of Psychiatry

(Code: PSY100E)

	Topic	Hours	Knowledge %	Intellectual %	N of items per topic	Written exam		% of Marks
						Knowledge	Intellectual	
1	History and clinical examination	30	50	50	2	1	1	20
2	Psychiatric disorders	50	50	50	4	2	2	33
3	Psychiatric emergencies	70	50	50	6	3	3	47
	Total	**150**			**12**			**100%**

A. Matrix of Coverage of Course ILOs By Contents

Topic	Knowledge & understanding	Intellectual Skills	Professional & Practical Skills	General skills
History and mental status examination	A1	B6, B7, B9	C1	D1-D6
Schizophrenia spectrum and other psychotic disorders	A1, A2	B6, B7, B9	C1	D1-D6
Mood disorders	A1, A2	B6, B7, B9	C1	D1-D6
Anxiety disorders	A1, A5	B1-B9	C1-C5	D1-D6
Somatic symptom disorders	A1-A4	B1-B9	C1-C5	D1-D6
Sleep disorders	A2, A3	B1-B9	C4, C5	D1-D6
Eating disorders	A3, A4, A5	B1	C1-C5	D1-D6
Elimination disorders	A3, A4, A5	B2	C1-C5	D1-D6
Sexual dysfunction	A1, A4, A5	B2	C1-C5	D1-D6
Personality disorders	A4	B2	C1-C5	D1-D6
Liaison psychiatry	A3	B2	C1-C5	D1-D6
Geriatric psychiatry	A1	B1-B9	C1-C5	D1-D6
Child psychiatry	A1-A5	B1-B9	C1-C5	D1-D6
Forensic psychiatry	A1-A5	B1-B9	C1-C5	D1-D6
Psychopharmacology	A1-A5	B1-B9	C1-C5	D1-D6
Psychiatric emergency	A1-A5	B1-B9	C1-C5	D1-D6

B. Matrix of Coverage of Course ILOs by Methods of Teaching & Learning

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Lecture	A1,2,3,4,5			
Clinical (Including case presentation and bed side clinical)		B.1,2,3,4,5,6,7,8,9	C.1,2,3,4,5,6,7,8	D.1,2,3,4,5,6,7
Presentation/seminar			C.1,2,3	D.1,2,3,4
Journal club	A1,2,3,4,5			D.1,2,3,4
Training courses & workshops		B.1,2,3,4,5,6,7,8,9	C.1,2,3,4,5,6,7,8	

c. Matrix of Coverage of Course ILOs by Methods of Assessment

Methods of Assessment	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	A	B	C	D
Written exam	A.1,2,3,4,5			
Clinical exam		B.1,2,3,4,5,6,7,8	C.1,2,3,4,5,6,7,8	
Oral Exam	A.1,2,3,4,5	B.1,2,3,4,5,6,7,8		D.1,2,3,4,5,6
Log book that include: Assignments, case presentations, seminars	A.1,2,3,4,5	B.1,2,3,4,5,6,7,8		D.1,2,3,4,5,6

Course coordinator
Ass. Prof. Moustafa Mahmoud

Head of department
Prof. Nermin Ali Hamdy

Date of last update & approval by department council 3/2023