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كلية الطب
Faculty of Medicine



Doctorate (MD)
Program & Courses' Specifications of
Public health and Preventive
medicine

Program Specification for Doctorate Degree (MD) in Public health and preventive medicine

(٢٠٢٣)

University: Minia

Faculty(s): Medicine

Department: Public health and preventive medicine

A- Basic Information:

- 1- Program title:** Doctorate Degree (MD) of public health and preventive medicine, **Code: CM100**
- 2- Final award:** Doctorate Degree (MD) of public health and preventive medicine
- 3- Program type:** Single Double Multiple
- 4-Department responsible for offering the degree:** Public health and Preventive medicine
- 5-Departments involved in the programme:** Public health and preventive medicine department
- 6-Programme duration :**3.5 years
- 7-Number of programme courses:** 3
- 8-Coordinator:** Dr. Shaimma Mahmoud/Dr.Chrestina Monir
- 9-External evaluators:** Prof Dr Tamer el Hefnawy
- 10-Programme management team:** Assistant Professor: Shaimma Anwar, Assistant lecturers: Shaza Fadel, Hager Adel, Aya Mohammed, Demonstrator: Myada Noor

B- Professional Information:

1- Program aims:

Graduate of Doctorate Degree in Public health and Preventive medicine, the candidate should be able to:

- 1.1. Prepare a community-oriented physician capable of anticipating and responding to community health needs according to the policies, regulations, and guidelines of the MOHP.

- 1.2. Develop a postgraduate student who will be able to take leadership in the field of public health by applying the scientific knowledge and skills learned.
- 1.3. Generate a new mind which knowing the importance of preventing diseases and injuries, promotion of wellbeing and maintaining good physical and mental health.
- 1.4. Create an environment suitable to interdisciplinary public health initiatives, with focusing on vulnerable groups who suffer disproportionately from illness and disability
- 1.5. Participation with different sectors of the community in combating the health challenges in our community.
- 1.6. Applying ethical principles of scientific research with good awareness about patient's rights.
- 1.7. Acquire decision making capabilities in different situations
- 1.8. Show responsiveness to economics, and resource allocations
- 1.9. Function as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 1.10. Show appropriate attitudes and professionalism
- 1.11. Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning

2. Intended Learning Outcomes:

2.1. (a) Knowledge and understanding:

By the end of the study of doctorate program in Community Medicine the candidate should be able to:

- a.1. Define theories, basics and updated sciences in Public health and community medicine
- a.2. Identify effect between professional practice in Public health and community medicine and its impact on the environment
- a.3. State recent advances and principles of Public health as epigenetic
- a.4. Identify the moral and legal aspects of managing the department activities

a.5. Label the recent advances in biostatistics, research methodology related to the field
Public health

a.6. Identify the basics, methodology and ethical issue of scientific research.

2.2. (b) Intellectual skills

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

b.1. Construct a programs to specific public health problems including the ability to identify the problem, situation analysis, problem analysis, identification of obstacles and constraints and strategy formulation.

b.2. Solve, evaluate and practice any problems during teaching

b.3. Carry out a plan for improving the departmental performance in the field of teaching and research.

b.4. Compute research studies (thesis) that add to knowledge

b.5. Outline and solve risk in professional practices in this area

b.6. Sketch the principles and fundamentals of quality assurance of professional practice

b.7. Operate training for being able to decision-making in a variety of professional situations

2.3. Skills:

2.3.1 (c) Professional and practical skills

By the end of the study of doctoral program in Community Medicine the candidate should be able to:

c.1. Deal scientifically with any health problem and Perform disease surveillance

c.2. Evaluation of public health services

c.3. Evaluate participation in campaigns and control activities/mass treatments as required

2.3.2. (d) General and transferable skills

By the end of the study of doctoral program in Community Medicine the candidate

should be able to:

- d.1. Develop communication skills towards reports and professional opinions as well as to interact with others and for effective teaching
- d.2. Apply the information technology (web sites, journals and digital libraries) to manage information, teaching and research
- d.3. Generate his practice through constant self-evaluation and life-long learning
- d.4. Use the information technology (web sites, journals and digital libraries) to manage information, acquire teaching skills and in research
- d.5. Apply ethical principles and maintain proper etiquette in dealings with others and to respect the other opinion
- d.6. Assemble and Work as a part of a team and cooperate on with colleagues and interact with professors and students to provide the best possible solutions or opinion.
- d.7. Set up and combine in student teaching and assessment, or research points under supervision
- d.8. Prepare and integrate scientific activities as seminars, journal clubs ,scientific meetings or conferences. Improve his practice through constant self-evaluation and life-long learning

3- Program Academic Reference Standards

3- 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 Decree No.6854, in its session No.177 Dated: 18\5\2009). **{Annex 1}**.
- Faculty of medicine, Minia University has developed the academic standards (ARS) for Doctorate (MD) and approved in faculty Council decree No.7528, in its session No.191, dated: 15\3\2010) and these standards (faculty ARS) have been updated and approved in faculty Council No.52/2 dated: 20/ 2 / 2023 **{Annex 2}**

-Then **Public health and preventive medicine department** has adopted these standards and developed the intended learning outcomes (ILOS) for **Doctorate program in MD** degree in Public health and preventive medicine and the date of program specifications 1st approval was by department council: 13-5-2013, last update of program specification approval by department council: 6-3-2023

4. Program External References

External references for standards (Benchmarks)

1. Department Books and notes: Course notes, and handouts
2. Essential Books (Text Books)
 - Maxey-Rosenau-Last Public Health and Preventive Medicine: Fifteenth Edition (Maxcy-rosenau-last) 15th Edition
 - Park's Text Book of Preventive & Social Medicine, 23rd ed., 2016.
3. Periodicals, Web Sites, etc

5 - Curriculum Structure and Contents

5. A. Program duration: (3.5 years).

5. B. Program structure:

- No of hours/week:
 - Lecture: 2hrs/w
 - Practical: 4 hrs /w
 - Total hours/week: 6 hrs/w
- Basic sciences (compulsory) courses: No; Nil Percentage 0%
- Basic sciences (optional) courses: No: Nil Percentage 0%
- Specific courses related to the specialty: No: 2 Percentage 90%
- Training programs and workshops, field visits, seminars & other scientific activities: Distributed along the whole program.
- Other courses: No: Nil Percentage 0%

5. C. Levels of program in credit hours system: Not applicable

5. D. Program courses: Number of courses: 3

N.B. Three courses are compulsory {Annex 3}. To ensure complete coverage of all program ILOs by courses, a correlation between them has been done {Annex 4}.

Course Title		Total No. of Hours	No. of hours /week			Program ILOs Covered
			Lect.	Practic	tutorial	
FIRST PART (Level of course):						
1. Course name: Computer	Code No. of course	2	1	1		a.2, b.4, d.2
2. Course name: Research methodology, Biostatistics,	Code No. of course	2	1	1		a.5, a.6 , b.7, b.3
Training programs and workshops, field visits, seminars& other scientific activities		Continuous				
SECOND PART (Level of course):						
1. Course name Public health & its branches	Code No. of course	2	1	1		a.1, a.3, a.4, b1, b.2, b.3, b.4,b5, c.1, c.2, c.3, c.4,c.6, d.1:d.7
Training programs and workshops, field visits, seminars& other scientific activities		Continuous				

6- Program admission requirements

1. General requirements:

A-Candidates should have either:

1. MBBS degree from any Egyptian faculty of medicine or
2. Equivalent degree from medical schools abroad approved by the Ministry of higher education.

B-Master degree in Community Medicine

C- Follows postgraduate regulatory rules of postgraduate studies of Minia faculty of medicine.

2. Specific requirements:

A-Candidates graduated from Egyptian universities should have at least "Good Rank" in their final year / cumulative years examination and grade "Good Rank" in Community Medicine course too.

B-Master degree in Community Medicine with at least " Good Rank".

C-Candidate should know how to speak & write English well.

D-Candidate should have computer skill.

7- Regulations for progression and program completion

Duration of program is (3.5 years), starting from registration till acceptance of the thesis; divided to:

First Part: (≥6 months):

- All courses as specified in the internal bylaw
- Registration for Doctorate degree in October every year
- At least six months after registration of MD degree should pass before the student can ask for examination in the 1st part.
- Two sets of exams: 1st in April — 2nd in October.
- 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.

Second Part: (≥24months):

- Program related specialized Courses.
- At least 24 months after passing the 1st part should pass before the student can
- ask for examination in the 2nd part.

- Fulfilment 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:
 - a) Training courses
 - b) Seminars
 - c) Thesis discussion
 - d) Workshops
 - e) Conference attendance
 - f) Journal club
 - g) Other scientific activities requested by the department
 - Two sets of exams: 1st in April— 2nd in October.
 - At least 60 % of the written exam is needed to be admitted to the oral and practical exams.
 - 4 times of oral and practical exams are allowed before the student has to re-attend the written exam.

Thesis/essay: (24-48 months):

Thesis protocol registration is accepted after passing 18 months from registration of MD degree, and 1 year from passing 1st part exam.

- Thesis work Could start after registration and should be completed, defended and accepted after passing the 2nd part final examination, and after passing of at least 24 months (2 years) after documentation of the subject of the thesis.
- Accepting the thesis occurs after publishing two-thesis based papers in both local, international journals, then thesis discussion and this is enough to pass this part.

8-Teaching and learning methods:

- 1- 4 hours of lectures per week throughout the course.
- 2-2hours of practical training and demonstration weekly throughout the course.
- 3-Self training activities such as use of internet and multimedia.
- 4- Regular weekly seminars, presentations and assignments.
- 5-Training courses & workshops.
- 6-Thesis discussion.
- 7-Conference attendance

Teaching and learning methods	The assessed ILOs
Lectures	A1,A2, A3,A4,A5,A6, B1,B2,B3,B4,B5,B6,B7
<ul style="list-style-type: none"> Practical sessions 	C1,C2,C3
<ul style="list-style-type: none"> Self-training activities seminars, presentations and assignments. Training courses & workshops. Thesis discussion. Conference attendance 	A1,A2,A3,A4,A5,A6 B1, B2, B3,B4,B5,B6,B7 C1, C2, C3 D1,D2,D3,D4,D5,D6,D7,D8

9-Methods of student assessment:

Method of assessment	The assessed ILOs
1. Research (Thesis)	A1,A2,A3,A4,A5,A6 B1, B2 C1,C2,C3
2. Written Exams: - Short essay - MCQs - Complete - True or false and correct the wrong - Commentary - Problem solving	A1,A2,A3,A4,A5,A6, B1,B2,B3,B4,B5,B6,B7
3. Practical/Clinical Exams	C1,C2,C3
4. Seminars, presentations, assignments	A1,A2,A3,A4,A5,A6 B1,b2 C1,C2,C3 D1,D2,D3,D4,D5,D6,D7,D8

5. Oral Exams	A1,A2,A3,A4,A5,A6 B1,b2 C1,C2,C3 D1,D2,D3,D4,D5,D6,D7,D8
6. Others (Please specify)	-

Weighing of assessment:

It is mandatory to pass all the papers of written exams separately

Course	Written	oral	Practical	Total
research methodology & biostatistics	100%	100%	100%	100%
Computer	100%	100%	100%	100%
Public health and its branches	100%	100%	-	100%

10. Methods of Program Evaluation:

Evaluator (By whom)	Method/tool	Sample
1. Senior students (Students of last year)	Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSdBv464Iegx0eS0UqiRxrOkj8-5QEatKuXVSOq4bRPrzx4nA/viewform?usp=sf_link https://docs.google.com/forms/d/e/1FAIpQLSfsT7ZEB5-01hQIsBvrklEw7ug4gI0r04TFAjlx3icAqHEhJg/viewform?usp=sf_link
2. Graduates (Alumni)	Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSdBv464Iegx0eS0UqiRxrOkj8-5QEatKuXVSOq4bRPrzx4nA/viewform?usp=sf_link
3. Stakeholders	Meeting Questionnaires	https://docs.google.com/forms/d/e/1FAIpQLSfsT7ZEB5-01hQIsBvrklEw7ug4gI0r04TFAjlx3icAqHEhJg/viewform?usp=sf_link
4. External & Internal evaluators and external examiners	Reports	Attached to the file
5. Quality Assurance Unit	Reports Questionnaires Site visits	Attached to the file Attached to the file Attached to the file

Program Coordinators:

Lecturer / Shima Mahmoud Ahmed, Lecturer / Chrestina Monir Fekry
Assistant coordinator: Assis lecturer / Shaza Fadel

Head of Department: Prof 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



Annex (1):

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

مصنوفه توافق المعايير القومية القياسية العامة لبرامج الدكتوراه مع المعايير الأكاديمية المعتمدة من كلية الطب / جامعة المنيا لدرجة الدكتوراه في الصحة العامة وطب المجتمع
Comparison between National Academic Quality Assurance and Accreditation general Academic Reference Standards and Faculty Academic Reference Standard

Faculty Academic Reference Standards (ARS)

برامج الدكتوراه NAQAAE	Faculty Doctorate (MD) Program
1. مواصفات الخريج: خريج برنامج الدكتوراه في أي تخصص يجب أن يكون قادرا على:	1. Graduate attributes: Graduate of doctorate (MD) program in any specialty should be able to:
1.1. إتقان أساسيات ومنهجيات البحث العلمي .	1.1. Mastery of basic research skills and types of study design.
2.1. العمل المستمر علي الإضافة للمعارف في مجال التخصص.	1.2. Contribute to development, application, and translation of new medical knowledge in his scholarly field through research.

3.1. تطبيق المنهج التحليلي والناقد للمعارف في مجال التخصص والمجالات ذات العلاقة .	1.3. use analytical and critical skills in observing, collecting and interpreting data.
4.1. دمج المعارف المتخصصة مع المعارف ذات العلاقة مستتبًا ومطورًا للعلاقات البيئية بينها .	1.4. Integrate biomedical sciences with clinical information to explore scientific basis of medical practice for improvement of management of diseases.
5.1. إظهار وعيا عميقا بالمشاكل الجارية والنظريات الحديثة في مجال التخصص .	1.5. Demonstrate an awareness of current health problems and recent theories in his scholarly field
6.1. تحديد المشكلات المهنية و إيجاد حلولاً مبتكرة لحلها .	1.6. Identify and create solutions for occupational problems and medical malpractice conditions.
7.1. إتقان نطاقا واسعا من المهارات المهنية في مجال التخصص	1.7. perform a wide range of professional skills in his scholarly field.
8.1. التوجه نحو تطوير طرق و أدوات و أساليب جديدة للمزاولة المهنية .	1.8. Develop and improve new methods and approaches in the professional medical practice of the specific field.
9.1. استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية	1.9. Use information technology to improve his professional medical practice including online medical information manage information and researches.
10.1. التواصل بفاعلية وقيادة فريق عمل في سياقات مهنية مختلفة .	1.10. communicate effectively as a member or leader of health care group or other professional group and gain leadership skills.
11.1. اتخاذ القرار في ظل المعلومات المتاحة .	1.11. Make informed decisions based on available data (e.g. patient information, up to date scientific evidence and clinical judgement).

<p>12.1.توظيف الموارد المتاحة بكفاءة وتنميتها والعمل على إيجاد موارد جديدة .</p>	<p>1.12. Effective management, development & improvement of available resources and have the competency to get new resources.</p>
<p>13.1.الوعي بدوره في تنمية المجتمع و الحفاظ على البيئة .</p>	<p>1.13. Be aware of his community needs related to his field and have the ability to improve & maintain health care and carryout system-based improvement.</p>
<p>14.1.التصرف ب ما يعكس الالتزام بالنزاهة والمصداقية وقواعد المهنة .</p>	<p>1.14. Demonstrate ethical behavior, moral reasoning, honesty, integrity, dependability, and commitment to service and health equity.</p>
<p>1.15.الالتزام بالتنمية الذاتية المستمرة ونقل علمه و خبراته للآخرين .</p>	<p>1.15. Critically reflect on one's own performance to set learning and improving goals and sharing his knowledge.</p>

Academic standards

<p>2. المعايير القياسية العامة: NAQAAE General Academic Reference Standards “GARS” for MD Programs</p>	<p>2. Faculty Academic Reference Standards (ARS) for MD Program</p>
<p>1.2. المعرفة والفهم: بانتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا علي الفهم والدراية بكل من:</p>	<p>2.1. Knowledge and understanding: Upon completion of the doctorate Program (MD), the graduate should have sufficient knowledge and understanding of:</p>
<p>1.1.2. النظريات والأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة</p>	<p>2.1.1. Theories, basics and updated knowledge in his scholarly field and related basic sciences.</p>
<p>2.1.2. أساسيات ومنهجيات وأخلاقيات البحث العلمي وأدواته المختلفة</p>	<p>2.1.2. Basic, methods and ethics of medical research.</p>
<p>3.1.2. المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص</p>	<p>2.1. 3. Ethical and medico legal principles of medical practice.</p>
<p>4.1.2. مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص</p>	<p>2.1. 4. Identify Principles and fundamental of quality in professional medical practice.</p>
<p>5.1.2. المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها</p>	<p>2.1.5. Knowledge related to effects of professional practice on public health and methods of maintenance and system-based improvement of public health.</p>

<p>2.2. المهارات الذهنية: بانتهاج دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا على:</p>	<p>2.2. Intellectual skills: Upon completion of the doctorate program (MD), the graduate must be able to:</p>
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<p>1.2.2. تحليل وتقييم المعلومات في مجال التخصص والقياس عليها والاستنباط منها</p>	<p>2.2.1 Analysis and evaluation of information to correlate and deduce from it.</p>
<p>2.2.2. حل المشاكل المتخصصة استنادا على المعطيات المتاحة</p>	<p>2.2.2. Problem solving skills based on analysis of available data for common health problems related to his scholarly field.</p>
<p>3.2.2. إجراء دراسات بحثية تضيف إلى المعارف</p>	<p>2.2.3. Carryout research projects related to his scholarly field.</p>
<p>4.2.2. صياغة أوراق علمية</p>	<p>2.2.4. Write and publish scientific papers.</p>
<p>5.2.2. تقييم المخاطر في الممارسات المهنية</p>	<p>2.2.5. Assess risk in professional medical practice.</p>
<p>6.2.2. التخطيط لتطوير الأداء في مجال التخصص</p>	<p>2.2.6. Establish goals, commitments and strategies for improved productivity and performance.</p>
<p>7.2.2. اتخاذ القرارات المهنية في سياقات مهنية مختلفة</p>	<p>2.2.7. Making professional decisions in different professional contexts.</p>
<p>8.2.2. الابتكار/ الإبداع</p>	<p>2.2.8. Demonstrate intellectual curiosity necessary for scientific discovery and innovation</p>

	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 المهنة: بانتهاج 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: بانتهاج 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):

Comparison between NAQAAE , Faculty ARS and Program ILOs

<p style="text-align: center;">2. المعايير القياسية العامة: NAQAAE General Academic Reference Standards “GARS” for MD Programs</p>	<p style="text-align: center;">2. Faculty Academic Reference Standards (ARS) for MD Program</p>	<p style="text-align: center;">3-Program ILOS</p>
<p style="text-align: center;">1.2. المعرفة والفهم: باتتهاء دراسة برنامج الدكتوراه يجب أن يكون الخريج قادرا علي الفهم والدراية بكل من:</p>	<p>2.1. Knowledge and understanding: Upon completion of the doctorate Program (MD), the graduate should have sufficient knowledge and understanding of:</p>	<p>2.1. Knowledge and understanding: Upon completion of the doctorate Program of public health and preventive medicine the graduate should be able to :</p>
<p>1.1.2. النظريات والأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة</p>	<p>2.1.1. Theories, basics and updated knowledge in his scholarly field and related basic sciences.</p>	<p>a.1. Define theories, basics and updated sciences in Public health and community medicine a.4. Identify the moral and legal aspects of managing the department activities</p>
<p>2.1.2. أساسيات ومنهجيات وأخلاقيات البحث العلمي وأدواته المختلفة</p>	<p>2.1.2. Basic, methods and ethics of medical research.</p>	<p>a.5. Label the recent advances in biostatistics, research methodology related to the field Public health</p>
<p>3.1.2. المبادئ الأخلاقية والقانونية للممارسة المهنية في مجال التخصص</p>	<p>2.1. 3. Ethical and medico legal principles of medical practice.</p>	<p>a.6. Identify the basics, methodology and ethical issue of scientific research.</p>
<p>4.1.2. مبادئ وأساسيات الجودة في الممارسة المهنية في مجال التخصص</p>	<p>2.1. 4. Identify Principles and fundamental of quality in professional medical practice.</p>	<p>a.3. State recent advances and principles of Public health as epigenetic</p>
<p>5.1.2. المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها</p>	<p>2.1.5. Knowledge related to effects of professional practice on public health and methods of maintenance and system-based improvement of public health.</p>	<p>a.2. Identify effect between professional practice in Public health and community medicine and its impact on the environment</p>

2.2. المهارات الذهنية: باتتهاء 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:	2.2. Intellectual skills: Upon completion of the doctorate Program of public health and preventive medicine the graduate should be able to :
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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.	b.1. Construct a programs to specific public health problems including the ability to identify the problem, situation analysis, problem analysis, identification of obstacles and constraints and strategy formulation.
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.	b.2. Solve, evaluate and practice any problems during teaching
3.2.2. إجراء دراسات بحثية تضيف إلى المعارف	2.2.3. Carryout research projects related to his scholarly field.	b.3. Carry out a plan for improving the departmental performance in the field of teaching and research.
4.2.2. صياغة أوراق علمية	2.2.4. Write and publish scientific papers.	b.4. Compute research studies (thesis) that add to knowledge
5.2.2. تقييم المخاطر في الممارسات المهنية	2.2.5. Assess risk in professional medical practice.	b.5. Outline and solve risk in professional practices in this area
6.2.2. التخطيط لتطوير الأداء في مجال التخصص	2.2.6. Establish goals, commitments and strategies for improved productivity and performance.	b.7. Operate training for being able to decision-making in a variety of professional situations
7.2.2. اتخاذ القرارات المهنية في سياقات مهنية مختلفة	2.2.7. Making professional decisions in different professional contexts.	b.6. Sketch the principles and fundamentals of quality assurance of professional practice
8.2.2. الابتكار/ الإبداع	2.2.8. Demonstrate intellectual curiosity necessary for scientific discovery and innovation through active participation in research.	b.3. Carry out a plan for improving the departmental performance in the field of teaching and research.
9.2.2. الحوار والنقاش المبني على البراهين والأدلة	2.2.9. Using Evidence-based strategies to during discussion or teaching others.	b.2. Solve, evaluate and practice any problems during teaching

3.2. مهارات المهنية: بانتهاج 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:	2.3 Professional skills: Upon completion of the doctorate Program of public health and preventive medicine the graduate should 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.	c.1. Deal scientifically with any health problem and Perform disease surveillance

2.3.2 . كتابة وتقييم التقارير المهنية	2.3.2. Write and evaluate professional reports.	c.1. Deal scientifically with any health problem and Perform disease surveillance
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	c.2. Evaluation of public health services
4.3.2 . استخدام الوسائل التكنولوجية بما يخدم الممارسة المهنية	2.3.4. use of technological means to serve Professional practice	c.2. Evaluation of public health services
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	c.3. Evaluate participation in campaigns and control activities/mass treatments as required
4.2. المهارات العامة والمنتقلة: بانتهاج 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:	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.	d.1. Develop communication skills towards reports and professional opinions as well as to interact with others and for effective teaching d.4. Use the information technology (web sites, journals and digital libraries) to manage information, acquire teaching skills and in research
2.4.2. استخدام تكنولوجيا المعلومات ب ما يخدم تطوير الممارسة المهنية	2.4.2. Use of information technology to serve Professional Practice Development.	d.2. Apply the information technology (web sites, journals and digital libraries) to manage information, teaching and research

3.4.2. تعليم الآخرين وتقييم أداءهم	2.4.3. Demonstrate effective teaching and evaluating others.	d.8. Prepare and integrate scientific activities as seminars, journal clubs ,scientific meetings or conferences. Improve his practice through constant self-evaluation and life-long learning d.7. Set up and combine in student teaching and assessment, or research points under supervision
4.2.4. التقييم الذاتي والتعلم المستمر.	2.4.4. Self-assessment and continuous learning.	d.3. Generate his practice through constant self-evaluation and life-long 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	d.8. Prepare and integrate scientific activities as seminars, journal clubs ,scientific meetings or conferences. Improve his practice through constant self-evaluation and life-long learning
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.	d.5. Apply ethical principles and maintain proper etiquette in dealings with others and to respect the other opinion d.6. Assemble and Work as a part of a team and cooperate on with colleagues and interact with professors and students to provide the best possible solutions or opinion.
7...4.2 إدارة اللقاءات العلمية والقدرة علي إدارة الوقت	2.4.7. Manage of scientific meetings and the ability to manage Time effectively.	d.2. Apply the information technology (web sites, journals and digital libraries) to manage information, teaching and research

Correlations between Program ILOs & Courses

MD degree in Community Medicine	مسمى البرنامج
CM 100	كود البرنامج

جامعة/أكاديمية : المنيا
كلية / معهد: الطب
قسم: الصحة العامة والطب الوقائي

Matrix of Coverage of MD Program ILOs By Course Contents

Courses (List of courses in 1st and 2nd parts)	Program Intended Learning Outcomes (ILOs)												
	A. Knowledge & Understanding						B. Intellectual Skills						
	A 1	A 2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6	B7
1. Use of Computer in Medicine					x			x			x		
2. Medical statistics and research methodology					x	x		x	x	x			
3. Community Medicine 2nd part	x	X	x	x			x	x			x	x	x
Thesis	x	X	x	x	x	x	x		x	x	x		

Courses (List of courses in 1st and 2nd parts)	Program Intended Learning Outcomes (ILOs)										
	3.2. Skills										
	2.3.1 (c) Professional & Practical skills			2.3.2. (d) General & Transferable Skills							
	C1	C2	C3	D1	D2	D3	D4	D5	D6	D7	D8
1. Use of Computer in Medicine		x			x		x				
2. Medical statistics and research methodology			x	x		x	x	x	x	x	x
3. Community Medicine 2nd part	x	x	x	x		x			x		x
Thesis		x		x	x	x	x	x		x	x

Program Coordinators:

Lecturer / Shima Mahmoud Ahmed, Lecturer / Chrestina Monir Fekry
Assistant coordinator : Assis lecturer / Shaza Fadel

Head of Department: Prof 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



Matrix of Coverage of programme ILOs by Methods of teaching

Methods of Teaching & Learning	Intended Learning Outcomes (ILOs)			
	A. Knowledge & Understanding	B. Intellectual Skills	C. Professional & Practical skills	D. General & Transferable Skills
	IA	B	C	D
Lecture	A1, A2, A3,A4,A6,	B1,B2,B3,B4,B5,B6,B7		
Practical			C1,C2,C3	D1,D2,D3,D4,D5,D6,D7,D8
Presentation/seminar Journal club Thesis discussion Training courses & workshops	A1,A2,A3,A4,A5,A6	B1,B2,B3,B4,B5,B6,B7	C1,C2,C3	D1,D2,D3,D4,D5,D6,D7,D8

b.

C. Matrix of Coverage of Program 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	A1,A2, A3,A4,A6	B1,B2,B3,B5,B6,B7		
Practical exam			C1,C2,C3	D1,D2,D3,D4,D5,D6,D7,D8
Oral Exam	A1,A2, A3,A4,A6	B1,B2,B3,B4,B5,B6,B7		D1,D2,D3,D4,D5,D6,D7,D8
Seminars, presentations, Assignments, Logbook Assessment	A1,A2,A3,A4,A5,A6,	B1,B2,B3,B4,B5,B6,B7	C1,C2,C3	D1,D2,D3,D4,D5,D6,D7,D8

Program Coordinators:

Lecturer / Shimaa Mahmoud Ahmed, Lecturer /Chrestina Monir Fekry

Assistant coordinator : Assis lecturer / Shaza Fadel

Head of Department: Prof 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 /202nd

Annex (3):

Courses

Course specification of :

**“Use of Computer in Medicine”
in MD degree**

University: Minia

Faculty: Medicine

Department offering the course: Public health and preventive medicine department

Department offering the programme: Public health and preventive medicine department

Programme(s) on which the course is given: First part MD for public health

Academic year/ Level: First part of MD

1. Course Information		
Academic Year/level: First part MD	Course Title: Use of Computer in Medicine	Code: CM 100
<ul style="list-style-type: none">• Number of teaching hours:<ul style="list-style-type: none">- Lectures: 20 hours- Practical/clinical: 10 hours- Total: 30 hours		
2. Overall Aims of the course	<i>By the end of the course the student must be able to:</i> <ol style="list-style-type: none">1. Recognize knowledge about the software and their applications in Medicine2. Gain skills necessary for using and managing health care information systems	

3. Intended learning outcomes of course (ILOs): <i>Upon completion of the course, the student should be able to:</i>			
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	6	4	2
Introduction to Microsoft PowerPoint			
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	<p>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</p> <p>Online learning materials are available at Minia University site</p> <ul style="list-style-type: none"> ▪ Lectures: Face to face lectures, Pre-recorded video lectures ▪ Practical lessons ▪ Assignment ▪ Online quizzes 		
6. Teaching and Learning Methods for students with limited Capacity	<ul style="list-style-type: none"> • 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	<p>7.1- Research assignment: to assess general transferable skills, intellectual skills.</p> <p>7.2- Written exams:</p> <ul style="list-style-type: none"> • Short essay: to assess knowledge. • Commentary: to assess intellectual skills. <p>7.3- Practical Exams: to assess practical skills, intellectual skills.</p> <p>7.4- Oral Exams: Oral exams to assess knowledge and understanding, attitude, communication</p> <p>7.5- Structured oral exams: to assess knowledge.</p>		
B. Assessment Schedule (Timing of Each Method of Assessment)	<p>Assessment 1: Final written exam week: 24-28</p> <p>Assessment 2: Oral exam week: 24-28</p> <p>Assessment 3: Practical exam week: 24-28</p>		
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
Assistant coordinator : Assis lecturer / Shaza fadel

○ **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



نموذج رقم (١١)

أكاديمية :المنيا/جامعة

معهد: الطب / كلية

الوقائي قسم: الصحة العامة والطب

Use of Computer in Medicine	مسمى المقرر
CM 100	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		A.1, A.2,			D.1
Introduction to Microsoft PowerPoint					
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

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%

○ **Course Coordinators:**

➤ **Coordinators:**

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

Assistant coordinator : Assis lecturer / Shaza fadel

○ **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

Nashwa N. Kamal

Course specification of:

“Medical Statistics and Research Methodology”

In MD degree

University: Minia

Faculty: Medicine

Department offering the course: Public health and preventive medicine department

Department offering the programme: Public health

Programme(s) on which the course is given: First part MD for public health and preventive medicine

Academic year/ Level: First part of MD

1. Course Information		
Academic Year/level: First part MD	Course Title: Medical Statistics and Research Methodology	Code: CM 100
Number of teaching hours: - Lectures: 30 hours - Practical/clinical: 15 hours - Total: 45 hours		
2. Overall Aims of the course	<i>By the end of the course the student must be able to:</i> 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.	

	<ol style="list-style-type: none"> 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
<p>3. Intended learning outcomes of course (ILOs): <i>Upon completion of the course, the student should be able to:</i></p>	
<p>A. Knowledge and understanding</p>	<ol style="list-style-type: none"> A.1. Define terms of research methodology . A.2. Describe the spectrum of research methodology . A.3. Explain the 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

	<p>A.18. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests</p> <p>A.19. Explain the usefulness of screening tests</p>
B. Intellectual Skills	<p>B.1. Apply research methods to different community health problems.</p> <p>B.2. Apply appropriate research strategies for use .</p> <p>B.3. Select appropriate research methods .</p> <p>B.4. Teach and advocate appropriately in the research design.</p> <p>B.5. Describe the normal curves</p> <p>B.6. Describe and summarize data</p> <p>B.7. Select the proper test of significance for a specific data.</p> <p>B.8. Interpret selected tests of significance and the inferences obtained from such tests</p>
C. Professional and Practical Skills	<p>C.1. Plan a research proposal for community diagnosis.</p> <p>C.2. Design questionnaires.</p> <p>C.3. Conduct research.</p> <p>C.4. Judge association and causation.</p> <p>C.5. Criticize for bias and confounding factors</p> <p>C.6. Design data entry file</p> <p>C.7. Validate data entry</p> <p>C.8. Manage data files</p> <p>C.9. Construct tables and graphs</p> <p>C.10. Calculate different samples sizes</p> <p>C.11. Calculate measures of central tendency and measures of dispersion</p> <p>C.12. Calculate sensitivity, specificity, and predictive values</p>
D. General and transferable Skills	<p>D.1. Lead a research team to conduct a specific study .</p> <p>D.2. Take part and work coherently with his associates to in research.</p> <p>D.3. Write scientific papers.</p> <p>D.4. Appraise scientific evidence</p> <p>D.5. Analyze and interpret data</p>

	D.6. Use standard computer programs for statistical analysis effectively		
4. Course Contents			
Topic	No. of hours	Lecture	Tutorial/ Practical
<i>Research methods</i>			
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	
<i>Statistics</i>			
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%		

	<p>of study method is offline and 40% of study is online</p> <p>Online learning materials are available at Minia University site</p> <ul style="list-style-type: none"> ▪ Lectures: Face to face lectures, Pre-recorded video lectures ▪ Practical lessons ▪ Assignment ▪ Online quizzes
6. Teaching and Learning Methods for students with limited Capacity	<ul style="list-style-type: none"> • 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	<p>7.1- Research assignment: to assess general transferable skills, intellectual skills.</p> <p>7.2- Written exams:</p> <ul style="list-style-type: none"> • Short essay: to assess knowledge. • Commentary: to assess intellectual skills. <p>7.3- Practical Exams: to assess practical skills, intellectual skills.</p> <p>7.4- Oral Exams: Oral exams to assess knowledge and understanding, attitude, communication</p> <p>7.5- Structured oral exams: to assess knowledge.</p>
E. Assessment Schedule (Timing of Each Method of Assessment)	<p>Assessment 1: Final written exam week: 24-28</p> <p>Assessment 2: Oral exam week: 24-28</p> <p>Assessment 3: Practical exam week: 24-28</p>
F. Weighting of Each Method of Assessment	<ul style="list-style-type: none"> - Final Written Examination 100% - Oral Examination 100%

	<ul style="list-style-type: none"> - Practical Examination 100% - Total 100%
8- List of References	
A. Course Notes/handouts	<ul style="list-style-type: none"> - Department notes, lectures and handouts
B. Essential Books	<ul style="list-style-type: none"> - The Lancet Handbook of Essential Concepts in Clinical Research
C. Recommended Textbooks	<p><u>Research methods:</u></p> <ul style="list-style-type: none"> - 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 <p><u>Computer:</u></p> <ul style="list-style-type: none"> - 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 Edition Everitt, Brian S. - Medical statistics from A to Z: a guide for clinicians and medical students. Cambridge University Press, 2021. - Bowers, David. Medical statistics from

	<p>scratch: an introduction for health professionals. John Wiley & Sons, 2019.</p> <ul style="list-style-type: none"> - Aviva, P. (2005): Medical Statistics at a Glance, Blackwell Company, 2nd, ed., Philadelphia
D. Periodicals, websites	<ul style="list-style-type: none"> - 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=IwAR3nfirLM4wnuEqqUjLjk8TCR7lzPdnPGwIn06L-GjFq32a62w3j6R5s9c

○ **Course Coordinators:**

➤ **Coordinators:**

Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud

Assistant coordinator : assistant lecturer / Shaza Fadel

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

نموذج رقم (١١)

Medical Statistics and Research Methodology	مسمى المقرر
CM 100	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		A.3, A.4,	B.1, B.2, B.3, B.4,	C.1,	

-Case-control study, Odd's ratio sampling -Experimental study and clinical trials					
- 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			
<u>Statistics</u>					
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, A.9, A.10, A.11, A.12, A.13, A.14, A.15, A.16, A.17, A.18	B.1, B.2, B.3, B.4, B.5, 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

- **Course Coordinators:**
 - **Coordinators:**
 - 3) **Lecturers:** Dr / Shaimma Mahmoud, Dr/ Chrestina Monir
Assistant coordinator : Assis lecturer / Shaza fadel
- **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

A handwritten signature in blue ink, appearing to read "Nashwan N. K...".

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%

○ **Course Coordinators:**

➤ **Coordinators:**

- 4) **Lecturers:** Dr / Shaimma Mahmoud, Dr/ Chrestina Monir
Assistant coordinator : Assis lecturer / Shaza fadel

○ **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



Course specification of:

“Public health in doctoral degree “

2023

University: Minia

Faculty: Medicine

Department: Public health and preventive medicine

1. Course Information		
Academic Year/level: Second part MD	Course Title: Community Medicine in doctoral degree	Code: CM100
<ul style="list-style-type: none">• Number of teaching hours: <p>-Lectures: Total of 180 hours, 2 hours/week</p> <p>-Practical/clinical: Total of 90 hours, 1 hours/week</p>		
2. Overall Aims of the course	By the end of the course the student must be able to: <ol style="list-style-type: none">1. Prepare a community-oriented physician capable of anticipating and responding to community health needs according to the policies, regulations, and guidelines of the MOHP.2. Develop a postgraduate student who will be able to take leadership in the field of public health by applying the scientific knowledge and skills learned.3. Generate an new minds which knowing the importance of preventing diseases and injuries, promotion of well being and maintaining good physical and mental health.4. Create an environment suitable to	

	<p>interdisciplinary public health initiatives, with focusing on vulnerable groups who suffer disproportionately from illness and disability.</p> <ol style="list-style-type: none"> 5. Participation with different sectors of the community in combating the health challenges in our community. 6. introduces to the concepts of nutrition in illness and wellness, learn about the nutritional requirements during all stages of life. Attention is given to the nutrition and metabolism. Assessing and providing proper nutritional needs of all individuals. 7. Apply this knowledge to analysis of common infection Problems such as (Covid 19). 8. Recognize the health needs of the community and carry out professional obligations ethically and in keeping with objectives of the national health policy. 9. Have a spirit of scientific enquiry and is oriented to the principles of research methodology and epidemiology
<p>3. Intended learning outcomes of course (ILOs): <i>Upon completion of the course, the student should be able to:</i></p>	
<p>A. Knowledge and Understanding</p>	<ol style="list-style-type: none"> A1. Recognize a knowledge base in, communicable and non-communicable diseases epidemiology, communication and health behaviour, nutrition in health and disease, health care management and administration, health systems and services, rural, adolescent, reproductive, elderly and environmental health. A2. State the basics of infection control measures, and their role in disease prevention A3. Identify health problems in the community and comparing the existing and proposed problem-solving programs to satisfy community needs. A4. Recognize the importance of food and nutrition, the

	<p>functions which food contributes for the body..</p> <p>A5. Discuss nutritional needs to all age groups e.g. Children, pregnant and lactating mothers and old age group.</p> <p>A6. Discuss prevention and control of malnutrition.</p> <p>A7. Describe the nutritional requirement for prevention and treatment of disease.</p> <p>A.8. Describe epidemiology of COVID-19 virus and identify Strategies to Reduce Spread of Covid-19</p> <p>A.9. Describe basic steps of COVID-19 case investigation</p>
<p>B. Intellectual Skills</p>	<p>B1-Construct a programs to specific public health problems including the ability to identify the problem, situation analysis, problem analysis, identification of obstacles and constraints and strategy formulation.</p> <p>B2- Evaluate prevention and control programs of diseases and to determine whether the operations of a specific program or activity meet the stated objectives.</p> <p>B3- Design a balanced diet according to the required calories of different individuals and diet prescription in different diseases</p> <p>B4- Activate and mobilize the community toward evidence based medicine</p> <p>B5. Enlist the symptoms due to lack of food elements and how to manage them.</p> <p>B.6. Able to provide nutritional advise and protocol for patients infected with COVID-19</p>
<p>C. Professional and Practical Skills</p>	<p>C1-Solve scientifically any health problem.</p> <p>C2- Perform disease surveillanc</p> <p>C3- Detect and early warning of communicable and non-communicable diseases according to protocol)</p>

	<p>C4. Perform control measures (according to protocol)</p> <p>C5. Participation in campaigns and control activities/mass treatments as required</p> <p>C6. Design an epidemiological study for an investigation of an epidemic/outbreak</p> <p>C7. Evaluation of public health services</p> <p>C9. Communicate effectively with clients, colleagues from other specialties.</p> <p>C10. Participation in health promotion</p> <p>C11. Modify the normal diet into therapeutic diet therapy.</p> <p>C12. Plan the dietary management for patients with different health conditions.</p> <p>C.13. Draw chart describing the for surveillance procedure of COVID-19 virus infection</p>
<p>D. General and transferable Skills</p>	<p>A- In Epidemiological domain:</p> <p>D1. Evaluate indicators of health and disease</p> <p>D2. Identify prevalent health problems in a community, using various epidemiological strategies</p> <p>D3. Anticipate and participate in investigation of an epidemic/outbreak as part of a health team</p> <p>D4. Identify trends in health and disease</p> <p>D5. Apply appropriate health promotion, disease prevention, and control measures</p> <p>D6. Apply disease prevention and control measures to identified priority communicable and non-communicable diseases</p> <p>D7. Participate in conducting public health surveillance.</p> <p>B- In Communication and health behaviors:</p> <p>D8. Apply health behavior theories to different community health problems</p>

	<p>D9. Identify behavioral and social variables impacting health and disease</p> <p>D10. Apply appropriate communication strategies for use with clients, the health care team, and the community</p> <p>D12. Select and use appropriate health education methods and materials</p> <p>D13. Counsel effectively in the health care environment</p> <p>D14. Advocate appropriately in the health care setting</p> <p>D15. Activate and mobilize the community toward improved health</p> <p>C. In Management and administration:</p> <p>D16. Apply mohp policies and approved standards</p> <p>D17. Carry out administrative and service responsibilities</p> <p>D18. Work as a member/leader of a team (staff management)</p> <p>D19. Work effectively in the existing system, including referral</p> <p>D20. Utilize and maintain records</p> <p>D21. Manage resources, including application of basic principles of health Economics</p> <p>D22. Use exclusively the national essential drug list</p> <p>D23. Perform accurate recording and certification (e.g., birth, death, international classification of diseases [icd])</p> <p>D24. Define and use data for planning, implementing, and evaluating activities</p> <p>D25. Perform quality assessment and performance</p>
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	<p>improvement</p> <p>D26. Perform self-assessment and assessment of peers</p> <p>D27. Coordinate effectively with other sectors (social, agricultural, education) to promote the health of the community</p> <p>C- In Environmental and occupational health:</p> <p>D28. Anticipate, assess, and advise on management of occupational and environmental health hazards in various settings</p> <p>D29. Communicate with relevant authorities for environmental control (water, waste management, food safety, vector control)</p> <p>D30. Advise on waste management in the facility</p> <p>D31. Recommend and promote safety and injury prevention measures</p> <p>D- In Nutrition and Health:</p> <p>D32. Use of communication technique and creative thinking</p> <p>D33.early detection f nutritional deficiency.</p>
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4. Course Contents

Topic	No. of hours	Lecture	Tutorial/Practical
<p>Epidemiology of communicable diseases: (6 per week)</p> <ul style="list-style-type: none"> - Determinants of health and diseases - Prevention and control - Emerging diseases - Neglected tropical diseases - Zoonotic diseases 	90	60	30

<ul style="list-style-type: none"> - Arthropod born infections - Droplet infection - Covid-19 and corona virus - Blood born and sexual transmitted infections - Orally transmitted infections <p>Epidemiology of Non comunicable diseases:</p> <ul style="list-style-type: none"> - Diabetes and hypertention - Accidentas. - Smoking 			
<p>Enviromintal health: (2 hours per week)</p> <ul style="list-style-type: none"> - Environmintal Health hazards. - Water and wast manegment - Food safety. - Physical hazardes - Infection control measures 	30	15	15
<p>Adminstrtation and Health programs (6h per week)</p>	90	60	30
<ul style="list-style-type: none"> - Bacic principles of adminestration and managment - Health economics - Referral system - Health organization system - Medical Audting - Quality assurance - Primary Health care program - Maternal and child Health program - Family Medicine program - School health program - Adolescent health program - Rural health program - Geriatric health program - Mental Health program - Rural health program - Disater relief and mamnagment - Health education princioles - Communication skills 			

<ul style="list-style-type: none"> - Counselling and counselling skills - Occupational health program - 			
<p>In Nutrition (4 per week)</p> <ul style="list-style-type: none"> - <i>Introduction and nutrition:</i> <ul style="list-style-type: none"> Functions of food and nutrition in relation to human beings Definition of food, nutrition, calories Planning balance diet Measurement of energy - <i>Nutritional Elements</i> - <i>Nutrition throughout the life cycle</i> <ul style="list-style-type: none"> Nutritional requirements in infancy, preschool age, school age, adolescence, adult, pregnancy, lactation and geriatric nutrition. - <i>Nutritional assessment</i> - <i>Malnutrition diseases</i> - <i>Dietetics</i> 	60	45	15
Total	270	180	90
<p>5. Teaching and Learning Methods</p>	<p>Due to 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</p> <p>Online learning materials are available at Minia University site</p> <ul style="list-style-type: none"> ▪ Lectures: Face to face lectures, Pre-recorded 		

	<p>video lectures</p> <ul style="list-style-type: none"> ▪ Practical lessons ▪ Assignment ▪ Online quizzes
6. Teaching and Learning Methods for students with limited Capacity	<ul style="list-style-type: none"> • 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	<p>5.1- Research assignment: to assess general transferable skills, intellectual skills.</p> <p>5.2- Written exams:</p> <ul style="list-style-type: none"> • Short essay: to assess knowledge. • Commentary: to assess intellectual skills. <p>5.3- Practical Exams: to assess practical skills, intellectual skills.</p> <p>5.4- Oral Exams: Oral exams to assess knowledge and understanding, attitude, communication</p> <p>5.5- Structured oral exams: to assess knowledge.</p>
B. Assessment Schedule (Timing of Each Method of Assessment)	<p>Assessment 1: Final written exam week: 24-28</p> <p>Assessment 2: Oral exam week: 24-28</p> <p>Assessment 3: Practical exam week: 24-28</p>
C. Weighting of Each Method of Assessment	<p>Final Written Examination 40 %</p> <p>Oral Examination 60 %</p>

	Other types of assessment 0% Total 100%
8. List of References	
A. Course Notes/handouts	Department notes, lectures and handouts, logbook
B. Essential Books	1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.
C. Recommended Textbooks	1- Dimensions of Community Health, Boston Burr Ridge Dubuque.10 2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc. 3- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.
D. Periodicals, websites	American Journal of Epidemiology International Journal of Epidemiology International Journal of Public Health Egyptian Journal of Community Medicine British Journal of Epidemiology and Community Health WWW. CDC and WHO sites

○ **Course Coordinators:**

➤ **Coordinators**

Lecturers / Shaimma Mahmoud, Chrestina Monir

➤ **Assistant-coordinators:**

- Ass. Lecturer/ Shaza Fadel

○ **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



A handwritten signature in blue ink, appearing to read "Nashwa N. Kand", is written over a faint, light-colored rectangular stamp or watermark.

نموذج رقم (١١١)

جامعة/أكاديمية : المنيا
كلية / معهد: الطب
قسم: الصحة العامة والطب الوقائي

Community Medicine for doctoral degree	مسمى المقرر
CM 100	كود المقرر

A.

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
Epidemiology of communicable diseases: (6 per week) - Determinants of health and diseases - Prevention and control - Emerging diseases		A1, A2, A8., A9	B2, B4,	C1, C2, C3, C4, C5, C6, C13	D1, D2, D3, D4, D5, D6, D7,

<ul style="list-style-type: none"> - Neglected tropical diseases - Zoonotic diseases - Arthropod born infections - Droplet infection - Blood born and sexual transmitted infections - Orally transmitted infections <p>Epidemiology of Non communicable diseases:</p> <ul style="list-style-type: none"> - Diabetes and hypertension - Accidents. - Smoking 					
<p>Environmental health: (2 hours per week)</p> <ul style="list-style-type: none"> - Environmental Health hazards. - Water and waste management - Food safety. - Physical hazards - Infection control measures 		A1,	B4,		D28→ D31

<p>Administration and Health programs (6h per week)</p> <ul style="list-style-type: none"> - Basic principles of administration and management - Health economics - Referral system - Health organization system - Medical Auditing - Quality assurance - Primary Health care program - Maternal and child Health program - Family Medicine program - School health program - Adolescent health program - Rural health program - Geriatric health program - Mental Health program - Rural health program - Disaster relief and management - Health education principles - Communication skills - Counseling and consultation skills - Occupational health program 		<p>A1, A1, A3</p>	<p>B1, B2, B4, B6</p>	<p>C1, C7, C9</p>	<p>D8→D15 D16→D27</p>
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<p>In Nutrition (4 per week)</p> <ul style="list-style-type: none"> - <i>Introduction and nutrition:</i> <ul style="list-style-type: none"> Functions of food and nutrition in relation to human beings Definition of food, nutrition, calories Planning balance diet Measurement of energy - <i>Nutritional Elements</i> - <i>Nutrition throughout the life cycle</i> <ul style="list-style-type: none"> Nutritional requirements in infancy, preschool age, school age, adolescence, adult, pregnancy, lactation and geriatric nutrition. - <i>Nutritional assessment</i> - <i>Malnutrition diseases</i> - <i>Dietetics</i> 	<p>A1, A4, A5, A6, A7</p>	<p>B3, B4, B5</p>	<p>C10, C11, C12</p>	<p>D32, D33</p>
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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 to A9	B1 to B6		
Practical			C2, C4, C, C9, C10	D2, D3, D6, D7, D10, D18, D32
Assignment	A1	B1	C6	D5, D20, D22, D23, D24, D25, D26

B. 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	A1, A2, A3, A4, A5, A6, A7, A8, A9	B1, B2, B3, B4, B5, B6		
Practical exam			C2, C4, C5, C9, C10	D2, D3, D6, D7, D10, D18, D32
Oral Exam	A1	B5, B6	C3, C6, C7, C11, C12	D1, D4, D5, D8, D9, D13, D14, D16, D17, D19, D20, D21, D22, D23, D24, D28, D29, D30, D31

o **Course Coordinators:**

➤ **Coordinators**

Lecturers / Shaimma Mahmoud, Chrestina Monir

➤ Assistant-coordinators:

- Ass. Lecturer/ Shaza Fadel

o **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 public health doctora written paper examination (1st paper,2nd paper)

Topic	Hour	% of topic	Total No. of items	Written exam		Marks (Percentages)	Modified marks (Percentages)
				Knowledge	Intellectual		
1 st paper							
Epidemiology of communicable and non-communicable diseases	60	80%	10	7	3	80%	80%
Environmental health	15	20%	3	2	1	20%	20%
Total	75	100%	13				100%
2nd paper							

Administration and health programs	60	57.14%	7	3	4	57.14%	60%
Nutrition	45	42.9%	8	5	3	42.9%	40%
Total	105	100%	15				100%

- **Course Coordinators:**

- **Coordinators**

- Lecturers / Shaimma Mahmoud, Chrestina Monir**

- **Assistant-coordinators:**

- Ass. Lecturer/ Shaza Fadel

- **Head of Department:**

- Professor Dr. Nashwa Nabil Kamal**

Courses Reports

نموذج رقم (١٦)
تقرير مقرر دراسي

**Course report of MD degree of Public health
And preventive medicine
“Medical Statistics and Research Methodology”
May 2022**

**University: Minia
Faculty: Medicine**

Department: Public health and preventive medicine

A-Basic Information

1. **Course Title and Code:** Medical Statistics and Research Methodology, **code :CM 100**
2. **Specialty :** MD degree of **Public health and Preventive medicine**
3. **Level/year (1st or 2nd part):** 1st part
4. **Number of courses:** 1 course
5. **Adopted system for selection & formation of examiners' committee:**
Available Not available
6. **System of external evaluation of the exam:**
Available Not available
7. **Number & Names of teaching staff members:**
 - Dr. Mahmoud EL Sherif
 - Dr .Refaat Raaof
 - Dr .Eman Mohamed
 - Dr. Nashwa Nabil
 - Dr. Mona Abo zaid
 - Dr. Amany Edward
 - Dr.Emad Girgis
 - Dr.khaled Eldosoki
 - Dr.Tarek Abd Elrahman
 - Dr. Omnia Kamal

-
-
-
-
-

Dr. Ayman Soliman
 Dr. Marwa Gamal
 Dr. Shima Anwar
 DR .Ebtesam Ismael
 Dr. Eman Ramadan

B- Professional Information

1-

Statistical Information:

-	No. of	No.	1	%	100
students attended/joined the course					
-	No. of	No.	1	%	100
students completed the course & attended the exam					

-

Results:

Passed:	No:	1	%	100	Failed:	No:	0	%	0
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-

Success percentages & distribution according to the grades of passed students:

-

Success percentages : 100%

-

Distribution :

Excellent	No:		%		Very good:	No:		%	
Good	No:		%		Pass:	No:	✓	%	100

2- Course Teaching:

-

Course topics taught

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

**- Total percentage of the essential course topics that actually covered: 100 %
70%**

- Obligation/commitment of the teaching staff to the specified course content:

>85% 60-84 % <60%

- The extent to which the exam covered the course topics:

>85% 60-84 % <60%

- Teaching and Learning Methods:

Lectures	<input checked="" type="checkbox"/>
Practical/laboratory training	<input checked="" type="checkbox"/>
Assignment	<input checked="" type="checkbox"/>
Online quiz	<input checked="" type="checkbox"/>

3- Student Assessment:

Method of Assessment	Marks	%
Written examination	100	100
Oral examination	100	100
Practical/ Laboratory examination	100	100
Total	100	100

4- Facilities available for Teaching:

- **Scientific references:**
 Available Available to some extent Unavailable

- **Assistant aids/tools:**
 Available Available to some extent Unavailable

- **Other materials, supplies and requirements:**

Available Available to some extent Unavailable

5- Administrative & regulatory Constraints:

No Yes

6 – Results of student feedback as a result of course evaluation:

المقرر له اهداف واضحة (١٠٠٪)
 المقرر يحفز علي التغيير (١٠٠٪)
 مفيد في التطبيق العملي (١٠٠٪)
 يوفي امثلة علمية (١٠٠٪)
 اكسبني مهارات تفيد في تكوين شخصيتي (١٠٠٪)

7- External evaluator/s comments:

البرنامج مستوفي البيانات الأساسية ومطابق للمعايير الأكاديمية والقياسية ويحتوي علي أهداف واضحة والمخرجات توافق الأهداف للتعلم

8- Completed actions related to course development in the last year:

Improving the technical tools and adequate infrastructure

9- Non-completed actions related to course development in the last year:

10- Action plan for the next academic year:

-

Fields/areas of course development		
Actions Required	Completion Date	Responsible Person
More seminars , More workshops	2023	All staff members
Further practical assessment		All staff members
More developing for computer laboratory	2024	Head of department
Variations in exam tools	2023	All staff members
More videos , teaching tools	2023	All staff members

○ **Course Coordinators:**

➤ **Coordinators:**

Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud

➤ **Assistant coordinator: Dr Maggi Mofeed**

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

نموذج رقم (١٦)

تقرير مقرر دراسي

Course report of MD degree of Public health
and preventive medicine
“Use of Computer in Medicine”
May 2022

University: Minia

Faculty: Medicine

Department: Public health and preventive medicine

A-Basic Information

1. **Course Title and Code:** Medical Statistics and Research Methodology, **code :CM 100**
2. **Specialty :** MD degree of **Public health and Preventive medicine**
3. **Level/year (1st or 2nd part):** 1st part
4. **Number of courses:** 1 course
5. **Adopted system for selection & formation of examiners' committee:**
Available Not available
6. **System of external evaluation of the exam:**
Available Not available
7. **Number & Names of teaching staff members:**
 - Dr. Mona Abo zaid
 - Dr. Amany Edward
 - Dr.Emad Girgis
 - Dr.khaled Eldosoki
 - Dr.Tarek Abd Elrahman
 - Dr. Omnia Kamal
 - Dr. Marwa Gamal
 - Dr. Eman Ramadan

B- Professional Information

8.

Statistical Information:

-	students attended/joined the course	No. of	No.	1	%	100
-	students completed the course & attended the exam	No. of	No.	1	%	100

Results:

Passed:	No:	1	%	100	Failed:	No:	0	%	0
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- Success percentages & distribution according to the grades of passed students:

Success percentages : 100%

Distribution :

Excellent	No:		%		Very good:	No:		%	
Good	No:		%		Pass:	No:	1	%	100

2- Course Teaching:

Course topics taught

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

- Total percentage of the essential course topics that actually covered: 100 %
70%

- Obligation/commitment of the teaching staff to the specified course content:

>85% 60-84 % <60%

- The extent to which the exam covered the course topics:

>85% 60-84 % <60%

- Teaching and Learning Methods:

Lectures	√
Practical/laboratory training	√
Assignment	√
Online quiz	√

3- Student Assessment:

Method of Assessment	Marks	%
Written examination	100	100
Oral examination	100	100
Practical/ Laboratory examination	100	100
Total	100	100

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4- Facilities available for Teaching:

- **Scientific references:**

Available Available to some extent Unavailable

- **Assistant aids/tools:**

Available Available to some extent Unavailable

- **Other materials, supplies and requirements:**

Available Available to some extent Unavailable

5- Administrative & regulatory Constraints:

No Yes

6 – Results of student feedback as a result of course evaluation:

المقرر له اهداف واضحة (١٠٠٪)
المقرر يحفز علي التغيير (١٠٠٪)
مفيد في التطبيق العملي (١٠٠٪)
يوفي امثلة علمية (١٠٠٪)
اكسبني مهارات تفيد في تكوين شخصيتي (١٠٠٪)

7- External evaluator/s comments:

البرنامج مستوفي البيانات الأساسية ومطابق للمعايير الأكاديمية والقياسية ويحتوي علي أهداف واضحة والمخرجات توافق الأهداف للتعلم

8- Completed actions related to course development in the last year:

Improving the technical tools and adequate infrastructure

9- Non-completed actions related to course development in the last year:

Developing computer laboratory

10- Action plan for the next academic year:

-

Fields/areas of course development

Actions Required	Completion Date	Responsible Person
More seminars , More workshops	2023	All staff members
Further practical assessment		All staff members
More developing for computer laboratory	2024	Head of department
Variations in exam tools	2023	All staff members
More videos , teaching tools	2023	All staff members

○ **Course Coordinators:**

➤ **Coordinators:**

Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud

➤ **Assistant coordinator: Dr Maggi Mofeed**

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

نموذج رقم (١٦)
تقرير مقرر دراسي

**Course report of MD degree of Public health
And preventive medicine
“Medical Statistics and Research Methodology”
October 2022**

**University: Minia
Faculty: Medicine**

Department: Public health and preventive medicine

A-Basic Information

8. **Course Title and Code:** Medical
Statistics and Research Methodology, **code :CM 100**
9. **Specialty :** MD degree of **Public
health and Preventive medicine**
10. **Level/year (1st or 2nd part):** 1st part
11. **Number of courses:** 1 course
12. **Adopted system for selection &
formation of examiners' committee:**
Available Not available
13. **System of external evaluation of
the exam:**
Available Not available
14. **Number & Names of teaching
staff members:**
- Dr. Mahmoud EL Sherif
 - Dr .Refaat Raaof
 - Dr .Eman Mohamed
 - Dr. Nashwa Nabil
 - Dr. Mona Abo zaid
 - Dr. Amany Edward
 - Dr.Emad Girgis
 - Dr.khaled Eldosoki
 - Dr.Tarek Abd Elrahman
 - Dr. Omnia Kamal

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-
-
-

Dr. Ayman Soliman
 Dr. Marwa Gamal
 Dr. Shima Anwar
 DR .Ebtesam Ismael
 Dr. Eman Ramadan

B- Professional Information

2-

Statistical Information:

-	students attended/joined the course	No. of	No.	1	%	100
-	students completed the course & attended the exam	No. of	No.	1	%	100

Results:

Passed:	No:	1	%	100	Failed:	No:	0	%	0
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- Success percentages & distribution according to the grades of passed students:

Success percentages : 100%

Distribution :

Excellent	No:		%		Very good:	No:		%	
Good	No:		%		Pass:	No:	✓	%	100

2- Course Teaching:

Course topics taught

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

**- Total percentage of the essential course topics that actually covered: 100 %
70%**

- Obligation/commitment of the teaching staff to the specified course content:

>85% 60-84 % <60%

- The extent to which the exam covered the course topics:

>85% 60-84 % <60%

- Teaching and Learning Methods:

Lectures	<input checked="" type="checkbox"/>
Practical/laboratory training	<input checked="" type="checkbox"/>
Assignment	<input checked="" type="checkbox"/>
Online quiz	<input checked="" type="checkbox"/>

3- Student Assessment:

Method of Assessment	Marks	%
Written examination	100	100
Oral examination	100	100
Practical/ Laboratory examination	100	100
Total	100	100

4- Facilities available for Teaching:

- Scientific references:

Available Available to some extent Unavailable

- Assistant aids/tools:

Available Available to some extent Unavailable

- Other materials, supplies and requirements:

Available Available to some extent Unavailable

5- Administrative & regulatory Constraints:

No Yes

6 – Results of student feedback as a result of course evaluation:

المقرر له اهداف واضحة (١٠٠٪)
 المقرر يحفز علي التغيير (١٠٠٪)
 مفيد في التطبيق العملي (١٠٠٪)
 يوفي امثلة علمية (١٠٠٪)
 اكسبني مهارات تفيد في تكوين شخصيتي (١٠٠٪)

7- External evaluator/s comments:

البرنامج مستوفي البيانات الأساسية ومطابق للمعايير الأكاديمية والقياسية ويحتوي علي أهداف واضحة والمخرجات توافق الأهداف للتعلم ولكن يفضل أن يكون التقييم في الامتحانات الشفهية متنم بالموضوعية .

8- Completed actions related to course development in the last year:

Improving the technical tools and adequate infrastructure

9- Non-completed actions related to course development in the last year:

10- Action plan for the next academic year:

Fields/areas of course development

Actions Required	Completion Date	Responsible Person
More seminars , More workshops	2023	All staff members
Further practical assessment		All staff members
More developing for computer laboratory	2024	Head of department
Variations in exam tools	2023	All staff members

More videos , teaching tools	2023	All staff members
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- **Course Coordinators:**

- **Coordinators:**

- Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud**

- **Assistant coordinator: Dr Maggi Mofeed**

- 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

نموذج رقم (١٦)
تقرير مقرر دراسي

Course report of MD degree of Public health
and preventive medicine
“Use of Computer in Medicine”
October 2022

University: Minia
Faculty: Medicine

Department: Public health and preventive medicine

A-Basic Information

9. Course Title and Code: Medical
Statistics and Research Methodology, code :CM 100
10. Specialty : MD degree of Public
health and Preventive medicine
11. Level/year (1st or 2nd part): 1st part
12. Number of courses: 1 course
13. Adopted system for selection &
formation of examiners' committee:
Available Not available
14. System of external evaluation of
the exam:
Available Not available
15. Number & Names of teaching
staff members:
- Dr. Mona Abo zaid
 - Dr. Amany Edward
 -
 - Dr.Emad Girgis
 - Dr.khaled Eldosoki
 - Dr.Tarek Abd Elrahman
 - Dr. Omnia Kamal
 - Dr. Marwa Gamal
 - Dr. Eman Ramadan

B- Professional Information

16.

Statistical Information:

-	No. of	No.	1	%	100
students attended/joined the course					
-	No. of	No.	1	%	100
students completed the course & attended the exam					

Results:

Passed:	No:	1	%	100	Failed:	No:	0	%	0
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- Success percentages & distribution according to the grades of passed students:

Success percentages : 100%

Distribution :

Excellent	No:		%		Very good:	No:		%	
Good	No:		%		Pass:	No:	1	%	100

2- Course Teaching:

Course topics taught

Topic	No. of hours	Lecture	Tutorial/ Practical
Use of Computer in Medicine			
General concepts	6	4	2

Introduction to Microsoft PowerPoint			
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

- Total percentage of the essential course topics that actually covered: **100 %**
70%

- Obligation/commitment of the teaching staff to the specified course content:

>85% 60-84 % <60%

- The extent to which the exam covered the course topics:

>85% 60-84 % <60%

- Teaching and Learning Methods:

Lectures	√
Practical/laboratory training	√
Assignment	√
Online quiz	√

3- Student Assessment:

Method of Assessment	Marks	%
Written examination	100	100
Oral examination	100	100
Practical/ Laboratory examination	100	100
Total	100	100

4- Facilities available for Teaching:

- **Scientific references:**

Available	<input checked="" type="checkbox"/>	Available to some extent	<input type="checkbox"/>	Unavailable	<input type="checkbox"/>
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- **Assistant aids/tools:**

Available	<input type="checkbox"/>	Available to some extent	<input checked="" type="checkbox"/>	Unavailable	<input type="checkbox"/>
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- **Other materials, supplies and requirements:**

Available	<input type="checkbox"/>	Available to some extent	<input checked="" type="checkbox"/>	Unavailable	<input type="checkbox"/>
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5- Administrative & regulatory Constraints:

No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>
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6 – Results of student feedback as a result of course evaluation:

المقرر له اهداف واضحة (١٠٠٪)
المقرر يحفز علي التغيير (١٠٠٪)
مفيد في التطبيق العملي (١٠٠٪)
يوفي امثلة علمية (١٠٠٪)
اكسبني مهارات تفيد في تكوين شخصيتي (١٠٠٪)

7- External evaluator/s comments:

البرنامج مستوفي البيانات الأساسية ومطابق للمعايير الأكاديمية والقياسية ويحتوي علي أهداف واضحة والمخرجات توافق الأهداف للتعلم ولكن يفضل ان يكون التقييم في الامتحانات الشفهية متسم بالموضوعية

8- Completed actions related to course development in the last year:

Improving the technical tools and adequate infrastructure

9- Non-completed actions related to course development in the last year:

Developing computer laboratory

10- Action plan for the next academic year:

- Fields/areas of course development

Actions Required	Completion Date	Responsible Person
More seminars , More workshops	2023	All staff members
Further practical assessment		All staff members
More developing for computer laboratory	2024	Head of department
Variations in exam tools	2023	All staff members
More videos , teaching tools	2023	All staff members

○ **Course Coordinators:**

➤ **Coordinators:**

Lecturers: Dr / Chrestina Monir, Dr Shaimma Mahmoud

➤ **Assistant coordinator: Dr Maggi Mofeed**

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

