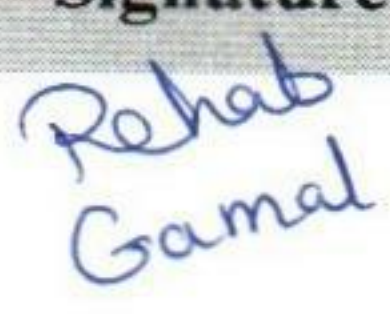
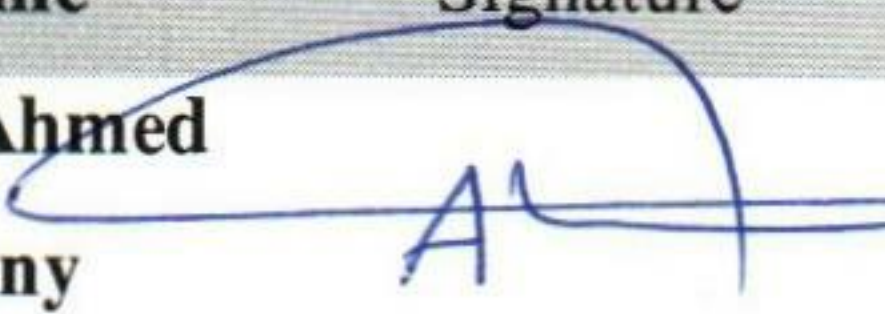
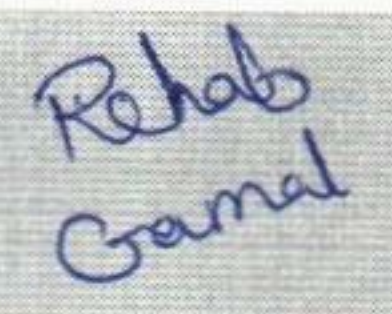
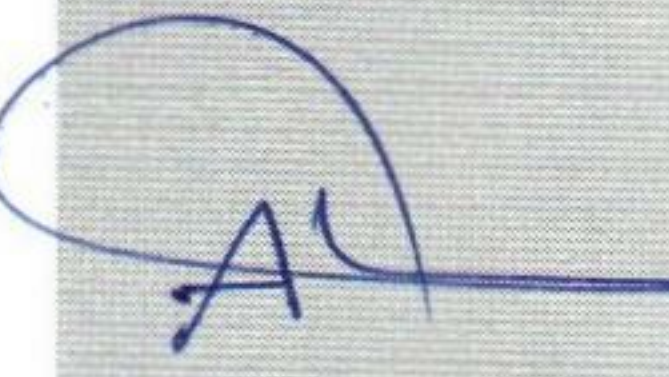
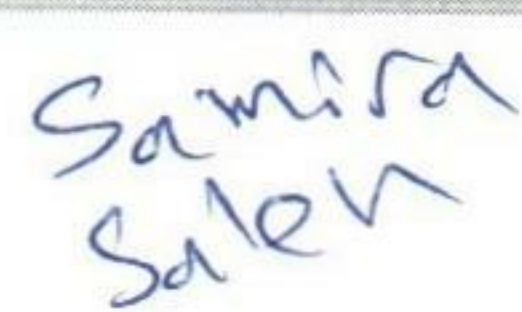
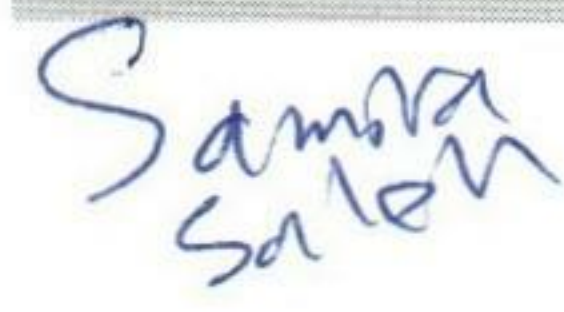
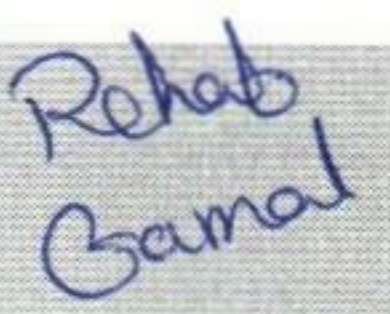
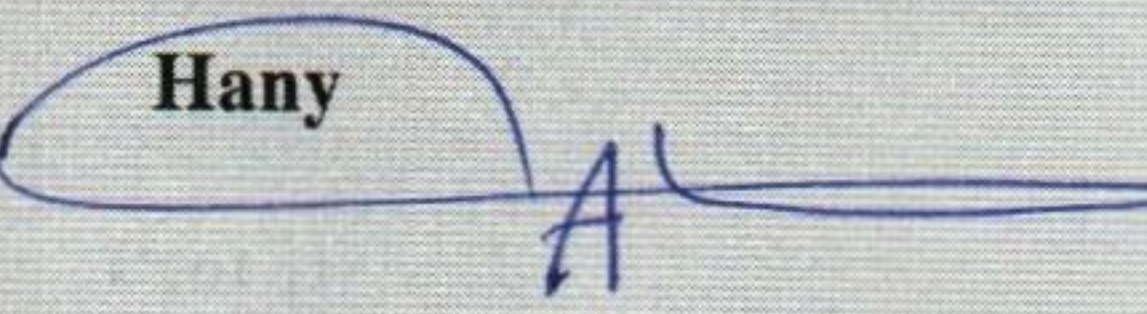

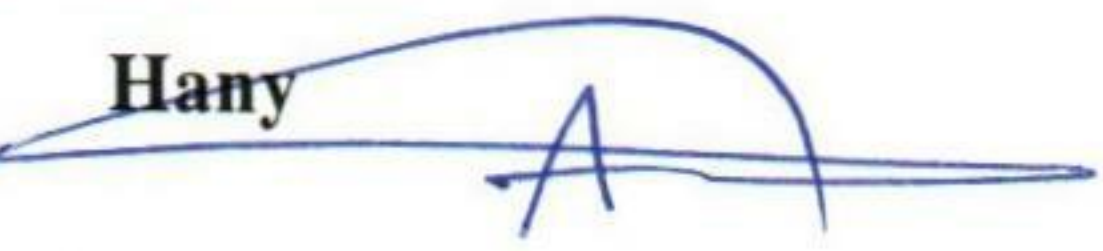
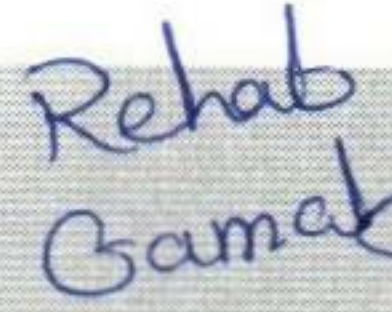
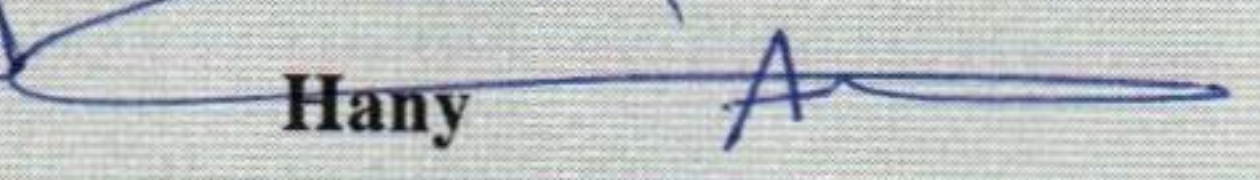
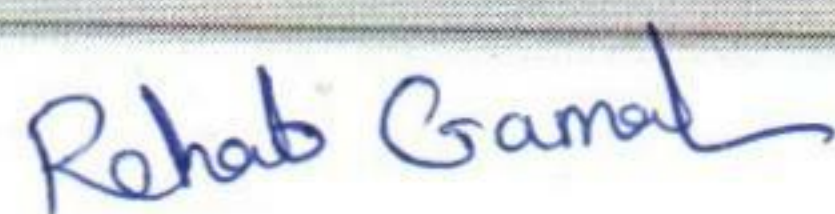


**Program Specifications of MD degree in Public
health and Community medicine,
Qena Faculty of Medicine,
South Valley University**

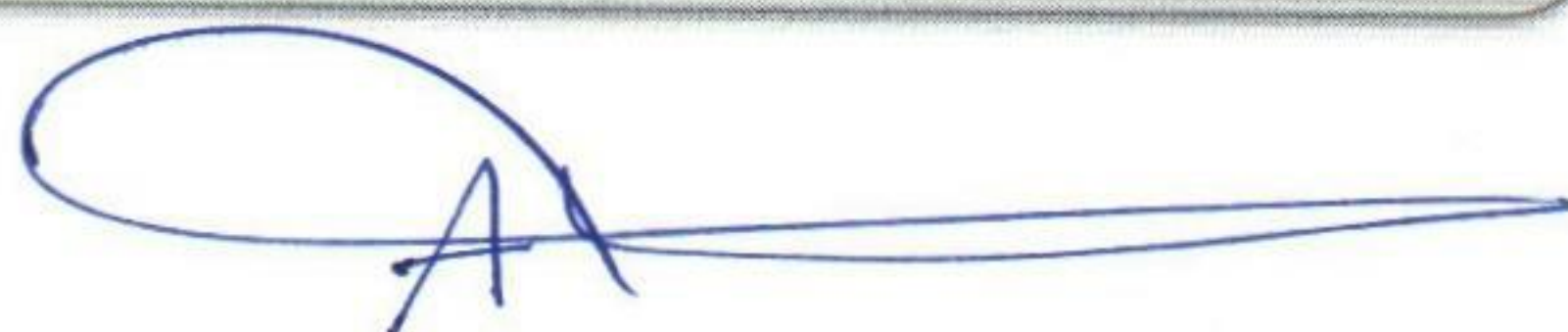
COM 300 كود البرنامج :

N.	Courses	Code	Coordinator		Head of the department	
			Name	Signature	Name	Signature
1	Biostatistics + Computer	COM309	Rehab Gamal		Prof/ Ahmed Hany	
2	Research Methodology	COM309	Rehab Gamal		Prof/ Ahmed Hany	
3	Primary Medical Reports	COM309	Prof Dr/ Samera Saleh		Prof Dr/ Samera Saleh	
4	-Hospital administration -Epidemiology -Environmental health	COM309	Rehab Gamal		Prof/ Ahmed Hany	
5	Pational course in one:- -health economics -mental health -health laws and research ethics	COM309	Rehab Gamal		Prof/ Ahmed Hany	
6	Specialized course Advanced Public	COM309	Rehab Gamal		Prof/ Ahmed Hany	

**Program Coordinator
Dr/Rehab Gamal Mahdy**



**Head of department
Prof Dr/ Ahmed Mohammed
Mahmoud Hany**





Program Specification of Medical Doctorate Degree of Public Health & Community Medicine

South valley University

Faculty of medicine

A- Basic Information

1. Program title: MD degree in Public Health & Community Medicine
2. Program type: single.
3. Faculty: Faculty of Medicine
4. Department: Public Health and Community Medicine.
5. Coordinator: Prof .dr Ahmed Mohamed mahmoud hany
6. External evaluator: Prof. ahmed fathy hamed ; Prof. of Public Health and Community

B- Professional Information

1. Program aims

The aim of this program is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Skills necessary for preparing for proper diagnosis and management of community problems, skills for conducting and supervising researches on basic scientific methodology.
3. Ethical principles related to the practice in this specialty.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

2. Attributes of the post graduate:

1. Efficient in carrying out the basics and methodologies of scientific research in Community Medicine.
2. The continuous working to add new knowledge in his field.
3. Applying the analytical course and critical appraisal of the knowledge in his specialty and related fields.
4. Merging the specialized knowledge with the other related knowledge with conclusion and developing the relationships in between them.
5. Showing a deep awareness with the ongoing problems, theories, and advanced sciences in his specialty.



6. Determination of the professional problems and creating solutions for them.
7. Efficient in carrying out the professional skills in his specialty.
8. Using advanced suitable technologies which serves his practice.
9. Efficient communication and leadership of team work in his specialty.
10. Decision making through the available information.
11. Using the available resources efficiently and working to find new resources.
12. Awareness with his role in the development of the society and preserve environment.
13. Behaving in a way which reflects his credibility, accountability, and responsibility.
14. Keeping continuous self development and transfer his experiences and knowledge to others.

Intended learning outcomes (ILOs)

a) Knowledge and understanding

By the end of the course, the student is expected to be able to:

- A1. Mention the recent advances in principals of all aspects of health and disease.
- A2. Describe recent advances of the spectrum of health (mental, physical, social, ect.)
- A3. Describe recent advances of the spectrum of communicable diseases
- A4. Define recent advances of epidemiologic approaches to measure the occurrence of disease in communities.
- A5. Identify principles of family medicine and the impact of its implementation.
- A6. Explain the recent advances of environmental sanitation methods.
- A7. Describe the recent advances of determinants of health on the individual, the family, and the community levels.
- A8. List recent advances of essential public health functions.
- A9. Define recent advances of patterns of care as preventive and curative, and describe the levels of preventive care.
- A10. Explain Egypt's population pyramid and define the information obtained from the pyramid.
- A11. Describe the different profiles of the population pyramids and their interpretations.
- A12. Define the recent advances of screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- A13. Describe the study design, uses, and limitations.
- A14. Define the recent advances in clinical epidemiology and its basic components.
- A15. Describe the recent advances in public health surveillance system and its use in the community setting.
- A16. Describe the infectious cycle.
- A17. Explain the recent advances of different methods for prevention and control.
- A18. Identify the infectious cycle for each of communicable diseases and How to break it to prevent and control infection.
- A19. Define the recent advances of methods of prevention and control for each of communicable diseases



A20. Describe the recent advances of principles of rodent and insect control in the community and the hazards of rodent and insect.

A21. List the recent advances of risk factors relevant to selected non-communicable diseases including environmental risk factors.

A22. Identify the Vulnerable groups in the community.

A23. Describe elements, component, principles, strategies and Instruments of Primary Health care.

A24. Explain Indicators of Primary Health care.

A25. Identify the Impact of Health sector reform on primary health care services and facilities

A26. Identify quality of services in primary health care facilities.

A27. Describe the health needs for vulnerable group children and women in child bearing period.

A28. Describe the recent advances of the principle of school health.

A29. Describe the recent advances of the principle of occupational health.

A30. Identify various occupational Hazards, common occupational health problems in the community.

A31. Identify compensable occupational health diseases.

A32. Describe the recent advances of methods of occupational protection and prevention of occupational diseases

A33. Describe the recent advances of the principle of health administration.

A34. Identify nutritional requirements.

A35. Describe the source of important nutrients.

A36. Illustrate the nutritional status and prevention of malnutrition and the recent advances in nutritional status assessment.

A37. Identify principles of Geriatric Health.

A38. Identify common Health problems among geriatrics and the recent advances of prevention and control of such problems.

A39. Identify different geriatric health care programs

A40. Define the recent advances of life expectancy.

A41. Enumerate the recent advance in data collection, presentation and analysis in the field of Public Health and Community Medicine

A42. Enumerate the recent advances in biostatistics and computer.

A43. Define Diet modifications in disease situation for different types of diseases.

A44. Describe sampling techniques and list advantages of sampling.

A45. Describe the normal curves and its uses.

A46. Enumerate the recent advances of principles, methodologies, tools and ethics of scientific research.

A47. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of public health and community medicine.

A48. Enumerate the principles and fundamentals of quality of professional practice in the field of public health and community medicine.

A49. Enumerate the effect of professional practice on the environment and the methods of environmental development and maintenance.

A50. Define epidemiologic approaches to measure the occurrence of disease in communities.

A51. Build a model explaining the environmental hazards e.g. Disasters, climatic changes and the effect on human and public health.

) Intellectual skills

By the end of the course, the student is expected to be able to:

1. Collect and verify data from different sources and interpret data to diagnose prevalent . health problems in the community, using various epidemiological strategies and use it for titration and conclusion.



- B2. Select the appropriate diagnostic tools to reach a final solving of the prevalent health problems in the community.
- B3. Conduct research studies that adds to knowledge.
- B4. Formulate scientific papers in the area of public health and community medicine.
- B5. Assess risk in professional practices in the field of public health and community medicine.
- B6. Plan to improve performance in the field of public health and community medicine.
- B7. Identify community problems and find solutions .
- B8. Innovate and create nontraditional solutions to prevalent community health problems.
- B9. Manage Scientific discussion based on scientific evidences and proofs.
- B10. Criticize researches related to public health and community medicine.

c) Professional and practical skills

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in the area of public health and community medicine.
- C2. Write and evaluate of medical reports.
- C3. Evaluate and develop methods and tools existing in the area of public health and community medicine.
- C4. Evaluate different methods of diagnosis and management of prevalent community problems.
- C5. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent community problems and training junior staff.
- C6. Design new methods, tools and ways of professional practice.

d) General and transferable skills

By the end of the course, the student is expected to be able to:

- D1. Present reports in seminars effectively.
- D2. Use appropriate computer program packages.
- D3. Teach others and evaluate their performance.
- D4. Assess himself and identify his personal learning needs.
- D5. Use of different sources for information and knowledge.
- D6. Work coherently and successfully as apart of a team and team's leadership.
- D7. Manage scientific meetings according to the available time.

Curriculum structure and contents:

- Program duration: .
- Program structure:

Module	Course code	Credit hours	Lectures	Practical
First part				
1-medical statistics and computer	COM309	3	30	30
2-Research methods		3	30	
3-primary medical reports		2	15	30
4-Hospital administration		3	45	
-epidemiology		3	45	
-environmental health				
5-pational courses in one:-				
-health economics				
-mental health				
-health laws and research ethics				



SECOND PART				
SPECIALIZED Course Advanced Public HEALTH and Community Medicine	COM309	53		

First Part:

- Program-related basic science, Research Methodology, Ethics & medical reports, Biostatistics and computer.
- At least six months after registration should pass before the student can ask for examination in the 1ST part.
- Two sets of exams: 1ST in October — 2ND in April after fulfillment of the credit hours.
- At least 60 % of the written exam and 60% of the total oral and practical/clinical is needed to pass in each course.
- For the student to pass the first part exam, a score of at least 60% (Level D) in each course is needed.
- Those who fail in one course need to re-exam it only.
- Program related specialized science of Public Health and Community Medicine courses. At least 24 months after passing the 1st part should pass before the student can ask for examination in the 2nd part.
- Fulfillment of the requirements in each course as described in the template and registered in the log book (^Credit hours; with obtaining >75% of its mark) is a prerequisite for candidates to be assessed and undertake part \ and part \ examinations; the credit hours of the logbook are calculated as following:
 - Each Cr. Hr.= 60 working Hrs.
 - Logbook= 8 Cr. Hr. X 60 working Hrs = 480 Working Hrs.
 - Collection of working Hrs. is as following:

Activity	Hrs
Grand rounds	6
Training courses	12/ day
Conference attendance	12/day 18/day
Thesis discussion	6
Workshops	12/day
Journal club	6
Seminars	6
Morbidity and Mortality Conference	6
Self education program	6

methods of student assessments

Method of assessment	Weight	The assessed ILOs
1-Research assignment	50%	- General transferable skills, intellectual skills
2-Written Exams: -Short essay		- Knowledge
-structured questions:		- Knowledge



-MCQs:		- Knowledge, intellectual skills
-Commentary, Problem solving:		- Intellectual skills, General transferable skills
3-Structured Oral Exams	50%	Intellectual skills, Knowledge, General transferable skills
4-OSPE		intellectual skills, practical skills

Assessment schedule:

Part I:

- Biostatistics & Computer: Written Exam (1 hours) + Structured oral Exam+ OSPE
- Research Methodology: Written Exam (2 hours) + structured oral Exam+ OSPE
- Primary medical reports: Written Exam (2hour) + Structured oral Exam+ OSPE
- Epidemiology, Administration and environmental health: Written Exam (2 hours) + structured oral exam.
- Optional Course: Written Exam (2 hours) + structured oral Exam.

Part II:

- Public Health & Community Medicine: Two Written Exams (3hours for each) + Structured oral Exam

10. Evaluation of program:

Evaluator	Tool	Sample
1- Senior students	Questionnaire	2
2- Alumni	Questionnaire	3
3- Stakeholders (Employers)	Questionnaire	20
4-External Evaluator(s) (External Examiner(s))	Report	1
5- Other		



Course Specifications of Biostatistics and computer in MD degree in public health and community medicine

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: Public health and community medicine
4. Department offering the course: public health and community medicine
5. Academic year / Level; 1st part

Basic Information

Title: Course Specifications of Biostatistics and computer in MD degree in public health and community medicine.

Total hours

Title	Lecture	practical	total	Credit hours
Biostatistics and computer	30	30	45	3

Professional Information 1.

Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification.
3. Maintenance of learning abilities necessary for continuous medical education.

Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Enumerate different programs of analysis of data and statistical packages
- A2. Define the recent advances of sources of data and methods of collection.
- A3. Summarize data, construct tables and graphs
- A4. Calculate measures of central tendency and measures of dispersion
- A5. Describe the normal curves and its uses
- A6. Illustrate selected tests of significance and the inferences obtained from such tests
- A7. Illustrate selected tests of significance for parametric and non parametric inferences
- A8. Identify factor analysis and discrimination analysis

b) Intellectual Skills

By the end of the course, the student is expected to be allowed to

- B1. understand how to collect and verify data from different sources
- B2. Interpret data to diagnose prevalent health problems in the community, using various epidemiological strategies and use it for titration and conclusion

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:



C1. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent community problems and training junior staff

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. Use appropriate computer program packages.

D2. Use of different sources for information and knowledge about biostatistics.

3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances in collection, analysis and interpretation of data	6	3	3
-Details of Tests of significance: Proportion test	6	3	3
Chi-square test	6	3	3
Student T test	6	3	3
Paired T test	6	3	3
-Correlation	6	3	3
-Regression	6	3	3
-ANOVA test	6	3	3
-Discrimination analysis	6	3	3
Factor analysis	3	1.5	1.5
- parametric and non parametric tests	3	1.5	1.5
Total	60	30	30
Credit Hours	3	2	1

4. Teaching and Learning Methods

- Lectures
- Practical sessions
- Computer search assignments
- Computer application

5. Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
-Written Exam: -Short essay: -structured questions -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
OSPE	-Practical skills intellectual skills
o, o Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

- Assessment 1.....Final written exam
- Assessment 2.....Final Structured Oral Exam
- Assessment 3 OSPE
- Assessment 4 Attendance and absenteeism throughout the course



assessment 5

Computer search assignment performance throughout the course

Weighting of Assessments

Final-term written examination 50%
Final Structured Oral Exam, OSPE 50%
Total 100%

Formative only assessments: attendance and absenteeism and Computer search assignments performance.

7. Facilities Required for Teaching and Learning:

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

Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof/ Ahmed Mohamed mahmoud hany



Course Specifications of Research Methodology in MD degree in public health and community medicine

1. Program (s) on which the course is given: MD degree in Public health and community medicine
2. Minor element of program
3. Department offering the program: public health and community medicine
4. Department offering the course: public health and community medicine °.

Academic year / Level; 1st part

A. Basic Information

Title: Course Specifications of Research Methodology in MD degree in Public health and community medicine

Total hours

Title	Lecture	practical	total	Credit hours
Research Methodology	30	30	60	3

B. Professional Information 1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Skills necessary for preparing for proper diagnosis and management of community problems, skills for conducting and supervising researches on basic scientific methodology.
3. Ethical principles related to the practice in this specialty.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Define the recent advances of screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- A2. Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.
- A3. Describe the study design, uses, and limitations.
- A4. Enumerate the recent advances of principles, methodologies, tools and ethics of scientific research.
- A5. Explain the strategies and design of researches.
- A6. Describe bias and confounding.
- A7. Describe sampling techniques and list advantages of sampling
- A8. Identify principles of evidence based medicine.

**b) Intellectual Skills**

By the end of the course, the student is expected to be able to:

- B1. Conduct research studies that adds to knowledge.
- B2. Formulate scientific papers in the area of his specialty
- B3. Innovate and create researches to find solutions to prevalent health problems b4.
- Criticize researches related to the specialty.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in conducting researches in the area of his specialty.
- C2. Design new methods, tools and ways of conducting researches. .

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Use of different sources for information and knowledge to serve research.
- D2. Work coherently and successfully as a part of a team and team's leadership in conducting researches and field studies.

Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Details of epidemiological studies (case control, cohort and cross sectional)	8	4	4
Clinical trials, Quasi experimental study	8	4	4
Bias and errors	8	4	4
Setting a hypothesis	8	4	4
Recent advances in screening	8	4	4
Evidence – based Medicine: Concept and examples Applicability Scientific writing: A protocol A curriculum	8	4	4
Setting an objective - Critical thinking	8	4	4
Formulation of papers	8	2	2
Total	60	30	30
Credit hours	3	1	2

Teaching and Learning Methods

- Lectures.
- Computer search assignments

Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills



-Written Exam:	- Knowledge
-Short essay:	- Knowledge
-structured questions:	- Knowledge, intellectual skills
-MCQs:	- Intellectual skills, General transferable skills,
-Commentary, Problem solving:	- Intellectual skills, Knowledge, General transferable skills
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
OSPE	-Practical skills intellectual skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....Final written exam
 Assessment 2.....Final Structured Oral Exam
 Assessment3 OSPE

Assessment 4 Computer search assignment performance throughout the course

Weighting of Assessments

Final-term written examination	50	%
Final Structured Oral Exam, OSPE	50	%
Total	100	%

Any formative only assessments Attendance and absenteeism throughout the course
 Computer search assignment performance throughout the course

V Facilities Required for Teaching and Learning:

- ١-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
- ٢- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.

Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof/ ahmed Mohamed mahmoud hany



**course Specifications of Primary Medical Reports for MD degree in
public health and community medicine**

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: public health and community medicine
4. Department offering the course: Forensic medicine and clinical toxicology
5. Academic year / Level; 1st part

A. Basic Information

Title: Course Specifications of primary medical reports for MD degree in public health and community medicine

Total hours

Title	Lecture	practical	Total	Credit hours
Primary medical reports	15	30	45	2

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification
3. Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Identify ethical considerations of medical research involving human subjects
- A2. Mention the principles and fundamentals of ethics and legal aspects of professional practice in the field of public health and community medicine.
- A3. Mention obligation of physicians towards patients, colleagues, community.
- A4. Identify Types of malpractice, and items of responsibility in the field of public health and community medicine.
- A5. Mention medicolegal aspects of important matters related affecting public health such as organ transplantation, intersex states, euthanasia, assisted reproduction techniques

**b) Intellectual Skills:**

By the end of the course, the student is expected to be able to:

B1. Formulate reports in the area of public health and community medicine including death certificate and toxicological reports.

B2. Select the appropriate diagnostic tools for diagnosis of poisoning and select the suitable method of management

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following: c1.

Write and evaluate of medical reports including death certificate and toxicological reports

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. present reports in seminars effectively after formulation and evaluation. 3.

Contents

Topic	No. of hours	Lecture	practical
Definition of poison, classification of poison and factors that influence toxicity	5	2	3
Diagnosis & Management of poisoning including: respiratory support, circulatory support and neurological support	6	2	4
toxicological sampling and permanent infirmity	6	2	4
How to write a toxicological report & How to write death certificate	5	2	3
Obligation of physicians (towards patients, colleagues, community)	5	2	3
Consent, and professional secrecy	5	2	3
Types of malpractice, and items of medical Responsibility	4	1	3
Medico legal aspects of organ transplantation, intersex states, euthanasia, assisted reproduction techniques	4	1	3
Ethical considerations of medical research involving human subjects	5	1	4
Total	45	15	30
Credit hours	2	1	1

4. Teaching and Learning Methods

- Lectures
- Practical sessions
- Assignment



5. Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills

-Written Exam: -Short essay: -structured questions: -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
OSPE	-Practical skills intellectual skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....	Final written exam
Assessment 2.....	Final Structured Oral Exam
Assessment 3	OSPE
Assessment 4	Attendance and absenteeism throughout the course
Assessment 5	Computer search assignment performance throughout the course

Weighting of Assessments

Final-term written examination	50	%
Final Structured Oral Exam, OSPE	50	%
Total	100	%

formative only assessments: attendance and absenteeism, Computer search assignment.

Facilities Required for Teaching and Learning:

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

Course Coordinator: Prof Dr/Samira Saleh

Head of Department: Prof Dr/Samira Saleh



Course Specifications of Administration, Epidemiology and Environmental health in MD degree in Public health and community medicine

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: public health and community medicine
4. Department offering the course: public health and community medicine °.

Academic year / Level; 1st part

A. Basic Information

Title: Course Specifications of Administration, Epidemiology and Environmental health in MD degree in public health and community medicine

Total hours

Module	Lecture	Practical	Total	Credit hours
Administration	15	---	15	1
Epidemiology	15	---	15	1
Environmental health	15	---	15	1

A. Professional nformation

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification.
3. Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Describe the recent advances of the principle of health administration.
- A2. Enumerate the principles and fundamentals of quality of professional practice in the field of public health and community medicine

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Assess risk in professional practices in the field of public health and community medicine.
- B2. Plan to improve performance in the field of public health and community medicine.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- C1. Evaluate and develop methods and tools existing in the area of public health and community medicine.
- C2. Evaluate different methods of diagnosis and management of prevalent community problems.



d) General and Transferable Skills:

- By the end of the course, the student is expected to be able to
- d1. Teach others and evaluate their performance.
 - D2. Assess himself and identify his personal learning needs.
 - D3. Work coherently and successfully as a part of a team and team's leadership.
 - D4. Manage scientific meetings according to the available time.

Epidemiology Module:

a) Knowledge and understanding:

- By the end of the course, the student is expected to be able to:
- A1. Define the recent advances in clinical epidemiology and its basic components.
 - A2. Describe the infectious cycle.
 - A3. Identify the infectious cycle for each of the infectious diseases.
 - A4. Define epidemiologic approaches to measure the occurrence of disease in communities.

b) Intellectual Skills

- By the end of the course, the student is expected to be able to:
- B1. Collect epidemiological data from different sources and interpret data to diagnose prevalent health problems in the community, using various epidemiological strategies and use it for titration and conclusion.
 - B2. Innovate and create nontraditional solutions to prevalent epidemiological problems.

c) Professional and Practical Skills:

- By the end of the course, the student is expected to be able to:
- C1. Master the basic and modern professional skills in the area of epidemiology.
 - C2. Develop methods and tools existing in the area of epidemiology.

d) General and Transferable Skills:

- By the end of the course, the student is expected to be able to:
- D1. Use of different sources for information and knowledge in the area of epidemiology.

Environmental health Module:

a) Knowledge and understanding:

- By the end of the course, the student is expected to be able to:
- A1. Explain the recent advances of environmental sanitation methods including sterilization and disinfection methods.
 - A2. Describe recent advances in principles of rodent and insect control in the community and the hazards of rodent and insect on the environment.
 - A3. List the recent advances of Environmental risk factors non- communicable diseases as Cancer, DM, Atherosclerosis, and Ischemic H D, Congenital diseases
 - A4. Understand the effect of professional practice on the environment and the methods of environmental development and maintenance
 - A5. Build a model explaining the environmental hazards e.g. Disasters, climatic changes and the effect on human and public health.

b) Intellectual Skills

- By the end of the course, the student is expected to be able to:
- B1. Collect and verify data from different sources and interpret data to diagnose prevalent environmental problems in the community, using various epidemiological strategies and use it for titration and conclusion.
 - B2. Identify environmental problems and find solutions

a. Professional and Practical Skills:

- By the end of the course, the student is expected to be able to:



- C1. Evaluate different methods of diagnosis and management of prevalent environmental problems.
- C2. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent environmental problems and training junior staff.

c) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Use of different sources for information and knowledge in the area of environmental health.

3. Contents:

Administration module:

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances of : Planning	2	2	
Organizing	2	2	
Staffing, Directing	2	2	
Coordinating	2	2	
Budgeting	2	2	
Supervision, Evaluation	3	3	
Time management, Conflict management	2	2	
Total	15	15	
Credit hours	1	1	-----

Epidemiology Module

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances in clinical epidemiology and its basic components.	4	4	-----
Advanced diagnostic methods of epidemiological problems.	4	4	-----
advanced solutions to epidemiological problems	4	4	-----
Bioterrorism	4	4	-----
Disasters Implication	3	3	-----
Total	15	15	-----
Credit hours	1	1	-----

Environmental health module

Topic	No. of hours	Lecture	Tutorial/ Practical
-Recent advances of environmental sanitation	3	3	-----
- recent advances of Sterilization and disinfection	3	3	
-Disaster risk, management, health impact	3	3	
-Environmental risk factors non- communicable diseases as Cancer, DM, Atherosclerosis, and Ischemic H D, Congenital diseases.	3	3	
-Recent advances of climatic changes	3	3	
Total	15	15	-----



Credit hours	1	1	-----
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4. Teaching and Learning Methods

- Lectures
- Computer search assignments

5. Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
-Written Exam: -Short essay: -structured questions: -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

- Assessment 1 Final written exam
- Assessment 2 Final Structured Oral Exam
- Assessment 3 Attendance and absenteeism throughout the course
- Assessment 4 Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	50	%
Structured Oral Exam	50	%
Total	100	%

Any formative only assessments:

Facilities Required for Teaching and Learning:

-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

٢- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.

Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof/ Ahmed Mohamed mahmoud hany



**Course Specifications of MD degree in Health Economics for
Public health and community medicine**

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: public health and community medicine
4. Department offering the course: public health and community medicine ◦.

Academic year / Level; 1st part

A. Basic Information

Title: Course Specifications of MD degree in Health economics for public health and community medicine

Total hours

Title	Lecture	practical	total	credit
Health economics	45	---	45	3

A. Professiona Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Skills necessary for preparing for proper diagnosis and management of community problems, skills for conducting and supervising researches on basic scientific methodology.
3. Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. List essential public health programs and their economic background.
- A2. Explain Egypt's population pyramid and define the information obtained from the pyramid and its impact on health economics.
- A3. Understand the different profiles of the population pyramids and their interpretations.
- A4. Describe the economic impact of implementing the recent advances of the principle of occupational health.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Select the appropriate economic diagnostic tools to reach a final solving of the prevalent health problems in the community
- B2. Innovate and create economic solutions to prevalent community health problems

**c) Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in the area of health economics c2. Evaluate the economics of the different methods and tools existing in the area of public health and community medicine

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Use of different sources for information and knowledge in the area of health economics.

Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Concepts and Terminology	7	7	
Budgeting for health: - Curative - Preventive	8	8	
Planning for Funding Health projects	8	8	
Budgeting for Health projects	8	8	
Economic Burden of health	7	7	
Health insurance	7	7	
Total	45	45	
Credit hours	3	3	

. Teaching and Learning Methods

- Lectures
- Computer search assignments

. Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
-Written Exam: -Short essay: -structured questions -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1	Final written exam
Assessment 2	Final Structured Oral Exam
Assessment 3	Attendance and absenteeism throughout the course
Assessment 4	Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	50%
Structured Oral Exam	50%
Total	100 %



Any formative only assessments:

Attendance and absenteeism throughout the course, Computer search assignment performance throughout the course

• **Facilities Required for Teaching and Learning:**

-ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

- TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.

Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof Ahmed Mohammed mahmoud hany



Course Specifications of MD degree in Mental Health in public health and community medicine

1. Program on which the course is given: MD degree in Public health and community medicine
2. Major or Minor element of programs: Major
3. Department offering the program: public health and community medicine
4. Department offering the course: public health and community medicine ◦.

Academic year / Level; 1st part

A. Basic Information

Title: Course Specifications of MD degree in Mental Health in Public health and community medicine

Total hours

Title	Lecture	practical	Total	Credit
Mental Health	45	----	45	3

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.

Active participation in community needs assessment and problems identification.

Maintenance of learning abilities necessary for continuous medical education.

2. Intended Learning Outcomes of Courses (ILOs)

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

A1. Mention the recent advances in principals of mental health and mental diseases.

A2. Describe recent advances of the spectrum of health including mental health.

A3. List risk factors relevant to selected mental diseases.

b) **Intellectual Skills**

By the end of the course, the student is expected to be allowed to:

B1. Collect data from different sources and interpret data to diagnose prevalent mental health problems in the community.

B2. Conduct research studies that adds to knowledge in the area of mental health

c) **Professional and Practical Skills:**

By the end of the course, the student is expected to practice the following:

C1. Evaluate different methods of diagnosis and management of prevalent mental health problems.

d) **General and Transferable Skills:**



By the end of the course, the student is expected to be able to:

D1. Use of different sources for information and knowledge in the area of mental health. 3.

Contents

Topic	No. of Hours	Lecture	Tutorial/ Practical
Mental Health: Concept and terminology	9	9	
Public health importance	9	9	
Preventable mental ds	9	9	
Risks for abnormal Mental Health	9	9	
Managements	9	9	
Total	45	45	
Credit hours	3	3	

Teaching and Learning Methods

- Lectures
- Computer search assignments

Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
-Written Exam: -Short essay: -structured questions: -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

- Assessment 1.....Final written exam
- Assessment 2.....Final Structured Oral Exam
- Assessment 3..... Attendance and absenteeism throughout the course
- Assessment 4 Computer search assignment performance throughout the **course**

Weighting of Assessments

Final written examination	50%
Structured Oral Exam	50%
Total	100 %

Any formative only assessments:

- Facilities Required for Teaching and Learning:**



ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, colour and laser printers.



Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof/Ahmed mohammed mahmoud hany



Course Specifications of MD degree in Health laws and research ethics in public health and community medicine

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Minor
3. Department offering the program: Public health and community medicine
4. Department offering the course: Public health and community medicine
5. Academic year / Level: 1st part

A. Basic Information

Title: Course Specifications of MD degree in Health laws and research ethics in Public health and community

Total hours

Title	lecture	practical	Total	credit
Health laws and research ethics	45	---	45	3

B. Professional Information

1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification.

2. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Mention the recent advances in health laws.
- A2. Mention the fundamentals of ethics and legal aspects of research in the field of public health and community medicine.

b) Intellectual Skills

By the end of the course, the student is expected to be allowed to:

- B1. Manage Scientific discussion based on understanding different health laws

c) Professional and Practical Skills:

By the end of the course, the student is expected to practice the following:

- C1. Evaluate and understand laws existing in the area of public health and community medicine

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Use of different sources for information and knowledge about health laws and their implementation.



3. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Health systems	7	7	
Health system in Egypt	8	8	
Health laws in Egypt	8	8	
Laws for health insurance	8	8	
Laws for Family Med. In MOH	7	7	
Laws for Environmental protection	7	7	
Total	45	45	
Credit hours	3	3	

4. Teaching and Learning Methods

- Lectures
- Computer search assignments

5. - Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
-Written Exam: -Short essay: -structured questions -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Intellectual skills, Knowledge, General transferable skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment 1.....Final written exam

Assessment 2.....Final Structured Oral Exam :

Assessment 3..... Attendance and absenteeism throughout the course,

Assessment 4Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	50%
Structured Oral Exam	50%
Total	100 %

Any formative only assessments:

6. List of References

- Essential Books (Text Books)

1-Maxy-Rosenau Public health and preventive medicine,,Robert Wallace, publisher McGraw-Hill Medical; 6^o edition.

- Recommended Books



1- Dimensions of Community Health,. Dean F. Miller, James H. Price, publisher Brownell & Carroll; 5th edition.

2- Short Textbook of preventive and social Medicine..., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; 2nd edition.

3- Epidemiology in Medical Practice, D. J. P. Barker, Cyrus Cooper MA , G. Rose MA, publisher Churchill Livingstone; 9th edition.

- Periodicals, Web Sites, ...etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

7. Facilities Required for Teaching and Learning:

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

Course Coordinator: Dr/Rehab Gamal Mahdy

Head of Department: Prof//Ahmed Mohamed Mahmoud Hany



**course Specifications of Public health and community in MD
degree in public health and community medicine**

1. Program on which the course is given: MD degree in public health and community medicine
2. Major or Minor element of programs: Major
3. Department offering the program: public health and community medicine
4. Department offering the course: public health and community medicine
5. Academic year / Level; 2nd part

A. Basic Information

Title: Course Specifications of public health and community in MD degree in public health and community medicine

Total hours

Module	Lecture	Practical	Total	credit
Clinical Epidemiology	60	120	180	8
Occupational Health	60	120	180	8
Epidemiology of communicable and non communicable diseases	60	120	180	8
Advanced course in specialty	30	90	120	5
Primary Health	60	60	120	6
Health of vulnerable groups	60	60	120	6
Nutrition	30	----	30	2
Family medicine	30	120	150	6
Geriatrics	30	60	90	4

B. Professional

Information 1. Overall Aims of Course

The aim of this course is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mastery of practice of specialty and necessary to provide further training and practice in the field of Public health and Community Medicine through providing:

1. Recent scientific knowledge essential for the mastery of practice of Public Health and Community Medicine according to the international standards.
2. Active participation in community needs assessment and problems identification.
3. Maintenance of learning abilities necessary for continuous medical education.



2. Intended Learning Outcomes of Courses (ILOs)

Clinical Epidemiology module

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

- A1. Define the recent advances of the epidemiologic approaches to measure the occurrence of disease in communities
- A2. Describe the recent advances of determinants of Epidemiology.
- A3. Mention the recent advances of the principles and fundamentals of ethics and legal aspects of professional practice in the epidemiology.
- A4. Build a model explaining the epidemiological background of human diseases.

b) **Intellectual Skills**

By the end of the course, the student is expected to be able to:

- B1. Collect epidemiological data from different sources and interpret data to diagnose prevalent health problems in the community, using various epidemiological strategies and use it for titration and conclusion.
- B2. Select the appropriate diagnostic tools to reach a final solving of the prevalent epidemiological problems in the community.
- B3. Conduct research studies that adds to knowledge in the area of epidemiology
- B4. Formulate scientific papers in the area of epidemiology.
- B5. Identify epidemiological problems and find solutions.
- B6. Innovate and create nontraditional solutions to prevalent epidemiological problems.
- B7. Criticize researches related to epidemiology.

c) **Professional and Practical Skills:**

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in the area of epidemiology.
- C2. Write and evaluate of medical reports about epidemiological problems.
- C3. Evaluate and develop methods and tools existing in the area of clinical epidemiology.
- C4. Evaluate different methods of diagnosis and management of prevalent epidemiological problems in the community.
- C5. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent epidemiological problems and training junior staff.
- C6. Design new methods, tools and ways of professional practice in the area of clinical epidemiology.

d) **General and Transferable Skills:**

By the end of the course, the student is expected to be able to:

- D1. Present reports about epidemiological problems in seminars effectively
- D2. Use appropriate computer program packages in analysis and interpretation of epidemiological data.
- D3. Use of different sources for information and knowledge to help in Diagnosis and solving of prevalent epidemiological problems.

Occupational Health module

a) **Knowledge and understanding:**

By the end of the course, the student is expected to be able to:

- A1. Identify various occupational Hazards, common occupational health problems in the community.
- A2. Identify compensable occupational health diseases.
- A3. Describe the recent advances of methods of occupational protection and prevention of occupational diseases.



b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Collect and verify data from different sources and interpret data to diagnose occupational Health problems in the community, using various epidemiological strategies and use it for titration and conclusion.
- B2. Conduct research studies that adds to knowledge in the area of occupational health
- B3. Assess risk in professional practices in the field of occupational Health.
- B4. Plan to improve performance in the field of occupational Health
- B5. Criticize researches related to occupational Health.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in the area of occupational health.
- C2. Write and evaluate of medical reports related to occupational Health
- C3. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of occupational health problems and training junior staff

- C4. Design new methods, tools and ways of professional practice in the area of occupational health

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Present reports related to occupational problems in seminars effectively
- D2. Teach others and evaluate their performance in the area of occupational health.
- D3. Use of different sources for information and knowledge to help in Diagnosis and solving of prevalent occupational health problems.

Epidemiology of communicable and non communicable diseases module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Describe the recent advances the spectrum of communicable diseases
- A2. Describe the recent advances of determinants of health on the individual, the family, and the community levels.
- A3. Describe the recent advances in public health surveillance system and its use in the community setting.
- A4. Explain the recent advances of different methods for prevention and control.
- A5. Define the recent advances of methods of prevention and control for each of communicable diseases
- A6. List risk factors relevant to selected non-communicable diseases.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Collect and verify data from different sources and interpret data to diagnose prevalent communicable and non communicable diseases in the community, using various epidemiological strategies and use it for titration and conclusion
- B2. Select the appropriate diagnostic tools to reach a final solving of the prevalent communicable and non communicable health problems in the community.
- B3. Conduct research studies that adds to knowledge to help in detection, control and prevention of communicable and non communicable health problems in the community.
- B4. Formulate scientific papers about researches of communicable and non communicable diseases.
- B5. Plan to improve performance in the field of prevention and control of communicable and non communicable diseases.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:



- C1. Master the recent advances of professional skills to help in detection, control and prevention of prevalent communicable and non communicable diseases.
- C2. Write and evaluate of medical reports about communicable and non communicable diseases.
- C3. Evaluate and develop methods and tools helping in prevention and control of communicable and non communicable diseases.
- C4. Evaluate different methods of diagnosis and management of communicable and non communicable problems.
- C5. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent communicable and non communicable problems and training junior staff.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Present reports about communicable and non communicable diseases in seminars effectively
- D2. Use appropriate computer program packages to analyze data about communicable and non communicable diseases.
- D3. Use of different sources for information and knowledge to identify the recent advances of communicable and non communicable diseases.

Advanced course in specialty module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Describe the recent advances in the specialty branch
- A2. Explain the detailed recent advances of different methods for prevention and control of diseases related to the specialty for example occupational health, nutrition, maternal and child health care ex....
- A3. List risk factors relevant to selected diseases related to the specialty branch.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Collect and verify data from different sources and interpret data to diagnose prevalent problems or diseases related to the specialty using various epidemiological strategies and use it for titration and conclusion
- B2. Select the appropriate diagnostic tools to reach a final solving of the prevalent problems or diseases related to the specialty in the community.
- B3. Conduct research studies that adds to knowledge to help in detection, control and prevention of prevalent problems or diseases related to the specialty in the community.
- B4. Formulate scientific papers about researches of prevalent problems or diseases related to the specialty .
- B5. Plan to improve performance in the field of prevention and control of prevalent problems or diseases related to the specialty

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- C1. Master the recent advances of professional skills to help in detection, control and prevention of prevalent problems or diseases related to the specialty.
- C2. Write and evaluate of medical reports about prevalent problems or diseases related to the specialty
- C3. Evaluate and develop methods and tools helping in prevention and control of prevalent problems or diseases related to the specialty
- C4. Evaluate different methods of diagnosis and management prevalent problems or diseases related to the specialty
- C5. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent communicable and non communicable problems and training junior staff.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:



- D1. Present reports about prevalent problems or diseases related to the specialty in seminars effectively
- D2. Use appropriate computer program packages to analyze data about of prevalent problems or diseases related to the specialty .
- D3. Use of different sources for information and knowledge to identify the recent advances of the specialty .

Primary Health Care module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Define recent advances of patterns of care as preventive and curative, and describe the levels of preventive care.
- A2. Describe elements, component, principles, strategies and Instruments of Primary Health care.
- A3. Explain Indicators of Primary Health care.
- A4. Identify the Impact of Health sector reform on primary health care services and facilities
- A5. Identify quality of services in primary health care facilities.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Collect and verify data from different sources and interpret data to diagnose problems related to primary health care.
- B2. Select the appropriate diagnostic tools to reach a final solving of the problems in primary health care facilities
- B3. Conduct research studies that adds to knowledge in the area of primary health care
- B4. Assess risk in professional practices in the field of primary health care.
- B5. Plan to improve performance in the field of primary Health care.
- B6. Criticize researches related to primary Health care.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- C1. Master the basic and modern professional skills in the area of primary health care.
- C2. Write and evaluate of reports about quality of primary health care services.
- C3. Evaluate and develop methods and tools existing in the area of primary health care.
- C4. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of problems of primary health care services

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- D1. Use of different sources for information and knowledge to Identify the recent advances of primary health care.

Health of vulnerable groups module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

- A1. Identify the Vulnerable groups in the community.
- A2. Describe the health needs for vulnerable group children and women in child bearing period
- A3. Describe the recent advances of the principle of school health.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- B1. Collect and verify data from different sources and interpret data to diagnose health problems among vulnerable groups the community, using various epidemiological strategies and use it for titration and conclusion.
- B2. Select the appropriate diagnostic tools to reach a final solving of the prevalent health problems among vulnerable groups in the community
- b3. Conduct research studies that adds to knowledge in the area of vulnerable groups health needs.
- B4. Formulate scientific papers in the area of vulnerable groups health needs



B5. Plan to improve performance in Facilities providing vulnerable groups Health services

b6. Identify vulnerable groups health problems and find solutions

b7. Innovate and create nontraditional solutions to common vulnerable groups health problems

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

C1. Master the basic and modern professional skills in the area of vulnerable groups Health.

C2. Evaluate and develop methods and tools serving in diagnosis and solving of vulnerable groups health problems.

C3. Evaluate different methods of diagnosis and management of prevalent vulnerable group Health problems.

C4. Design new methods, tools and ways of professional practice in facilities serving vulnerable groups.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. Use of different sources for information and knowledge to Identify the recent advances in the area of vulnerable groups Health.

Nutrition module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

A1. Identify nutritional requirements especially in diseases situation(Therapeutic nutrition).

A2. Describe the recent advances of sources of important nutrients.

A3. Illustrate the nutritional status and the recent advances of prevention of malnutrition and the recent advances in nutritional status assessment.

A4. Define Diet modifications in disease situation for different types of diseases.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

B1. Collect and verify data from different sources and interpret data to diagnose prevalent nutritional problems in the community, using various epidemiological strategies and use it for titration and conclusion

b2. Select the recent advances of the appropriate diagnostic tools to reach a final solving of the prevalent nutritional health problems in the community

b3. Conduct research studies that adds to knowledge in the field of nutrition

b4. Formulate scientific papers in the area of nutrition and nutritional assessment. B5. Plan to improve performance in the field of nutritional assessment.

B6. Identify nutritional health problems and the recent advances of available solutions .

b7. Have the ability to innovate and create nontraditional solutions to prevalent nutritional health problems

b8. Criticized researches related to nutrition.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

C1. Master the basic and modern professional skills in the area of nutrition.

C2. Write and evaluate of medical reports about nutritional status assessment and nutritional problems.

C3. Evaluate and develop methods and tools existing in the area of nutrition and nutritional assessments

c4. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent nutritional problems and training junior staff

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. Use of different sources for information and knowledge of nutritional

assessment. **Family medicine module**



a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

A1. Identify principles, components and functions of family medicine and the impact of its implementation.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

B1. Conduct research studies that adds to knowledge in the area of family medicine.

B2. Formulate scientific papers in the area of family medicine.

B3. Plan to improve performance in the field of family medicine

B4. Criticize researches related to family medicine.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

C1. Master the basic and modern professional skills in the area of family medicine

C2. Write and evaluate of reports related to family Medicine.

C3. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent community problems and training junior staff

C4. Design new methods, tools and ways of professional practice in the area of field medicine.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. Assess himself and identify his personal learning needs in the field of family medicine.

D2. Use of different sources for information and knowledge to acquire data and skills in the area of family medicine.

Geriatrics module

a) Knowledge and understanding:

By the end of the course, the student is expected to be able to:

A1. Identify principles of Geriatric Health.

A2. Identify common Health problems among geriatrics and the recent advances of prevention and control of such problems.

A3. Identify different geriatric health care programs

A4. Define the recent advances of life expectancy.

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

B1. Collect and verify data from different sources and interpret data to diagnose prevalent geriatrics health problems in the community, using various epidemiological strategies and use it for titration and conclusion.

B2. Select the appropriate diagnostic tools to reach a final solving of the common geriatric health problems health problems in the community

b3. Conduct research studies that adds to knowledge in the area of geriatric health.

B4. Formulate scientific papers in the area of geriatric health.

B5. Identify geriatric health problems and find solutions

b6. Innovate and create nontraditional solutions to prevalent geriatrics health problems in the community

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

C1. Master the basic and modern professional skills in the area of geriatrics.

C2. Write and evaluate of medical reports which describe geriatric health

problems c3. Evaluate and develop methods and tools existing in the area of geriatrics.

C4. Perform recent advanced technological methods in collection, analysis and interpretation of data and in management of prevalent geriatric health problems and training junior staff



d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

D1. Present reports about geriatric health problems in seminars effectively

D2. Use of different sources for the recent advances of information and knowledge in the area of geriatric health.

3. Contents

Clinical Epidemiology module:

Topic	No. of hours	Lecture	Tutorial/Practical
Types of epidemiology		8	field training (Community convoys).
Epidemiologic curves		8	
Approaches to clinical Epidemiology		8	
Case scenarios		9	
Standardized case management		9	
Management of cases		9	
Recent advances of epidemiological diagnosis		9	
Total	180	60	120
Credit hours	8	4	4

Occupational Health module

Topic	No. of hours	Lecture	Tutorial/Practical
Occupational Health Hazards		9	Field training
Evaluation of Work risks and injuries		9	
Occupational diseases		9	
Methods of prevention of occupational diseases		9	
Management of Work risks and injuries		8	
Occupational health services		8	
Percent of infirmity		8	
Total	180	60	120
Credit hours	8	4	4

Epidemiology of communicable and non communicable diseases module

Topic	No. of hours	Lecture	Tutorial/Practical
Recent advances of Prevention and control in the Community		10	Field observation & reporting Computer search &/or Field investigation
Recent advances of epidemiology of selected communicable diseases		10	
Recent advances of risk factors of non-communicable diseases		10	
Recent advances of Bioterrorism		10	



Recent advances of Disasters Implication		10	
Recent advances of pulic health surveillancce System		10	
Total	180	60	120
Credit hours	8	4	4

Advanced course in specialty

For example Advanced course in the specialty of administration.

Topic	No. of hours	Lecture	Tutorial/ Practical
Recent advances of : Detailed study of Planning: Steps of planning a health program Situation analysis Setting priorities Types of Obstacles and limitations Preparing the action plan Preparing the time table of activities		5	
Detailed study of Organizing: Departementation Primary departments The concept of authority Facilitating activities Structural arrangements		5	Field observation & reporting Computer search &/or Field investigation
Detailed study of Staffing, Directing		2	
Detailed study of Coordinating		2	
Detailed study of Budgeting		1	
Detailed study of Supervision Detailed study of Styles of supervision Motivation Delegation of authority		5	
Detailed study of Evaluation Measuring the resources Measuring efforts Measuring achievements		5	
Detailed study of management Process Detailed study of Time management Detailed study of Conflict management		5	
Total	120	30	90
Credit hours	5	2	3



Primary health care module:

Topic	No. of Hours	Lecture	Tutorial/Practical
Concept, Principles, Strategies of primary health care		8	Training in PHC units; rural H. U., H. bureau
Elements of primary health care		8	
Indicators of primary health care		9	
Quality in primary health care facilities		9	
Drawbacks in applicability		9	
Rationale for reform		9	
Total	120	60	60
Credit hours	6	4	2

Health of vulnerable groups module

Topic	No. of Hours	Lecture	Tutorial/Practical
Infant and children health		10	Training in PHC units; rural H. U., H. Bureau
Adolescents health		10	
Health of Pregnant and lactating		10	
Rural health		10	
Health of Athletics		10	
Health of Handicapped		10	
Total	120	60	60
Credit hours	6	4	2

Nutrition module

Topic	No. of hours	Lecture	Tutorial/Practical
Micronutrients		5	---
Recent advances of prevention of malnutrition		5	
Recent advances in assessment of nutritional status of a community		5	
Therapeutic nutrition		5	
Obesity, recent advances of management		5	
Recent advances of food Safety and preservation		5	
Total	30	30	
Credit hours	2	2	---



Family medicine module

Topic	No. of Hours	Lecture	Tutorial/ Practical
Family medicine concept and rationale		5	Training in FH units Gen med., Surgical, Obs/Gyn, Pediatric, ENT, Ophth, radiology.
Duties of family medicine physician		5	
Aspects of family care		5	
Management of family health problems		5	
Family medicine services		5	
Family welfare		5	
Total	150	30	120
Credit hours	6	2	4

Geriatrics Module

Topic	No. of Hours	Lecture	Tutorial/ Practical
Aging process; theories, physiology, terminology		5	Training in Geriatric H care clinic
Geriatric H problems		5	
Risk approach for Geriatric H problems		5	
Care and welfare		5	
Preventive aspects		5	
Geriatric health program		3	
Life expectancy		2	
Total	90	30	60
Credit hours	4	2	2

4. Teaching and Learning Methods

- Lectures.
- field training (Community convoys).
- Computer search assignments

5. Student Assessment Methods

Method of assessment	The assessed ILOs
- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
- Log book	- General transferable skills
-Written Exam: -Short essay: -structured questions: -MCQs: -Commentary, Problem solving:	- Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
-Structured Oral Exam	- Knowledge, Intellectual skills, General transferable skills
Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

- Assessment 1.....Logbook.....
- Assessment 2.....Final written exam.....
- Assessment 3.....Final Structured Oral Exam



Assessment 4..... Attendance and absenteeism throughout the course, Field convoy's participation

Assessment 5 Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination separate exam

Passing in written exam is a condition to attend the following exam

Final Structured Oral

Formative only assessments: simple research assignment, log book, attendance and absenteeism.

Facilities Required for Teaching and Learning:

. ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.

. TEACHING TOOLS: including screens, computers including cd (rw), data shows, projectors, flip charts, white boards, video player, digital video camera, scanner, copier, color and laser printers.

Course Coordinator: Dr/Rehab Gamal Mahdy

Rehab Gamal

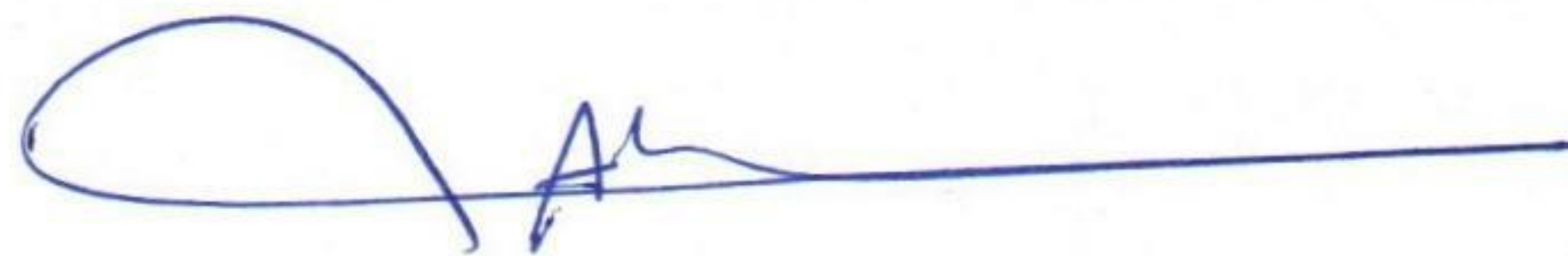
Head of Department: Prof/ Ahmed Mohamed Mahmoud Hany

Ahmed Mohamed Mahmoud Hany

Matrices of Public Health and Community medicine MD Program

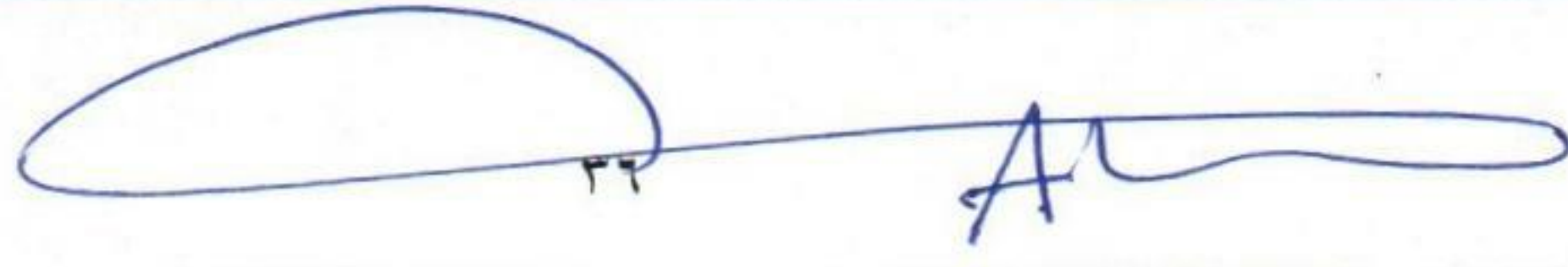
Program graduate attributes Vs NAQAEE graduate attributes

Program ILOs	Post graduate NARS
1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in Public health and community medicine.	1- إتقان أساسيات و منهجيات البحث العلمي
2- Have continuous ability to add knowledge new developments to Public health and community medicine through research and publication.	2- العمل المستمر علي الإضافة للمعارف في مجال التخصص
3- Appraise and utilise scientific knowledge to continuously update and improve clinical practice and relevant basic sciences.	3- تطبيق المنهج التحليلي والناقد للمعارف في مجال التخصص و المجالات ذات العلاقة
4- Acquire excellent level of medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in health patient care and scientific.	4- دمج المعارف المتخصصة مع المعارف ذات العلاقة مستنبطا و مطورا للعلاقات البينية بينها
5- Function as a leader of a team to provide patient care that is appropriate, compassionate for dealing with effective and health Problems and health promotion. 7- Acquire an in depth understanding of common areas of speciality, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.	5- إظهار وعيا عميقا بالمشاكل الجارية و النظريات الحديثة في مجال التخصص
6- Identify and create solutions for health problems in Public health and community medicine.	6- تحديد المشكلات المهنية و إيجاد حلولاً مبتكرة لحلها



<p>5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.</p> <p>7- Acquire an in depth understanding of common areas of Public health and community medicine, from basic clinical care to evidence based clinical application, and possession of skills to manage independently all problems in these areas.</p>	<p>7- إتقان نطاقا واسعا من المهارات المهنية في مجال التخصص</p>
<p>8 - Share in updating and improving clinical practice in Public health and community medicine.</p> <p>- Function as teacher in relation to colleagues, medical students and other health professions.</p>	<p>8- التوجه نحو تطوير طرق و أدوات و أساليب جديدة للمزاولة المهنية</p>
<p>9- Use recent technologies to improve his practice in Public health and community medicine.</p>	<p>9- استخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية</p>
<p>8- Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.</p> <p>5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.</p>	<p>10- التواصل بفاعلية و قيادة فريق عمل في سياقات مهنية مختلفة</p>
<p>10- Master decision making capabilities in different situations related to Public health and community medicine.</p>	<p>11- اتخاذ القرار في ظل المعلومات المتاحة</p>
<p>11- Show leadership responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource</p>	<p>توفير الموارد المتاحة بكفاءة و تنميتها والعمل على إيجاد موارد جديدة</p>

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allocations.	
12- Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carryout system-based improvement of care.	13- الوعي بدوره في تنمية المجتمع والحفاظ على البيئة
13- Show model attitudes and professionalism.	14- التصرف بما يعكس الالتزام بالنزاهة و المصداقية و قواعد المهنة
14- Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in Public health and community medicine or one of its subspecialties.	15- الالتزام بالتنمية الذاتية المستمرة و نقل علمه و خبراته للآخرين
15- Use recent technologies to improve his practice in Public health and community medicine.	





II- Program ILOs Vs NAQAEE general standard references

1-

Program ILOs	NAQAEE General ARS for Postgraduate Programs
Knowledge and understanding	المعرفة والفهم
2.1. A- Established, updated and evidence- based theories, basics and developments of Public health and community medicine and relevant sciences.	1-2-أ- النظريات و الأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
2.1. B- Basic, methods and ethics of medical research.	1-2-ب- أساسيات و منهجيات و أخلاقيات البحث العلمي و أدواته المختلفة
2.1. C- Ethical and medicological principles of medical practice related to Public health and community medicine.	1-2-ج- المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص
2.1. D- Principles and measurements of quality in Public health and community medicine.	1-2-د- مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
2.1. E- Principles and efforts for maintains and improvements of public health.	1-2-هـ- المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها



Intellectual function	المهارات الذهنية
2.2. A- Application of basic and other relevant science to solve Public health and community medicine related problems.	2-2-أ- تحليل وتقييم المعلومات في مجال التخصص والقياس عليها والاستنباط منها
2.2.B- Problem solving based on available data.	2-2-ب- حل المشاكل المتخصصة استنادا علي المعطيات المتاحة
2.2.C- Involvement in research studies related to Public health and community medicine	2-2-ج- إجراء دراسات بحثية تضيف إلى المعارف
2.2. D- Writing scientific papers.	2-2-د- صياغة أوراق علمية
2.2. E- Risk evaluation in the related clinica practice.	2-2-هـ- تقييم المخاطر في الممارسات المهنية
2.2.F- Planning for performance improvement in Public health and community medicine	2-2-ط- تطوير الأداء في مجال التخصص
2-2-G- Creation and innovation in the Public health and community medicine.	2-2-ز- الابتكار / الإبداع
2.2. H- Evidence – based discussion.	2-2-ح- الحوار والنقاش المبني علي البراهين والأدلة



2.2.I- Discussion making in different situations related to Public health and community medicine.	مخاذلات القرارات المهنية في سياقات مهنية مختلفة
Professional and practical skills	المهارات الذهنية
2-3-1-A- Provide extensive level of Public health that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. p.s. Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice. 2-3-1-B- Provide extensive level of practical skills relevant to public health and community medicine for all common techniques and / or experiments.	2-3-2 أ - إتقان المهارات المهنية الأساسية والحديثة في مجال التخصص
2-3- Clinical skills: 2-3-A- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice. 2-3-B- Master patient care skills relevant to Public health and community medicine for patients with all diagnoses and procedures. 2/3/1/Pracal skills (Pa ent care :) 2-3-1-A- Provide extensive level of Public health that is compassionate, appropriate, and	



effective for the treatment of health problems and the promotion of health. p.s. Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.

2-3-1-B- Provide extensive level of practical skills relevant to public health and community medicine for all common techniques and / or experiments.

2-3-1-C- Provide extensive level of practical skills for non – routine, laboratory skills and techniques and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care.

2-3-1-D- Perform diagnosis of the main health problems and prevention procedures considered essential in the field of Public health and community medicine

2-3-1-E- Handles unexpected problems, while demonstrating compassion and sensitivity to community needs and concerns.

2-3-1-F- Communicate effectively and demonstrate caring and respectful behaviors when interacting with people in the Public health and community medicine related situations.

2-3-1-G- Gather essential and accurate information about people and community regarding Public health and community medicine related conditions.

2-3-1-H Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for the Public health and community medicine related conditions.

2-3-1-I- Develop and carry out health management plans for Public health and community medicine related conditions.

2-3-1-J- Counsel and educate people about Public health and community medicine related



<p>conditions.</p> <p>2-3-1-K- Use information technology to support control and prevention decisions and health education in all Public health and community medicine related clinical situations.</p> <p>2-3-1-L- Perform competently all diagnostic and preventive procedures considered essential for the Public health and community medicine related conditions / area of practices.</p> <p>2-3-1-M- Provide health care services aimed at preventing Public health and community medicine related health problems.</p> <p>2-3-1-N- Lead health care professionals, including those from other disciplines, to provide patient-focused care in Public health and community medicine related conditions</p>	
<p>2-3-1-O- Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets.</p>	<p>2-3-2-ب- كتابة و تقييم التقارير المهنية.</p>
<p>D- General and transferable skills</p>	<p>المهارات العامة والمتنقلة</p>
<p>2-3-2-A- Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of Public health and community medicine</p> <p>2-3-2-B- Appraise scientific evidence.</p> <p>2-3-2-C- Continuously improve patient care based on constant self-evaluation and life-long learning.</p>	<p>2-3-2-ج- تقييم وتطوير الطرق و الأدوات القائمة في مجال التخصص</p>



<p>2-3-2-D- Conduct epidemiological studies and surveys.</p> <p>2-3-2-E. Participate in clinical audit and research projects.</p> <p>2-3-2-F- Practice skills of evidence-based Medicine (EBM).</p> <p>2-3-2-H- Design logbooks.</p> <p>2-3-2-I- Design clinical guidelines and standard protocols of management</p> <p>2-3-2-J- Appraise evidence from scientific studies related to the patients' health problems</p>	
<p>2-3-2-K- Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.</p> <p>2-3-2-L- Use information technology to manage information, access on- line medical information; for the important topics</p>	<p>د- استخدام الوسائل التكنولوجية بمايخدم الممارسة المهنية</p>



- 2-3-2-G- Educate and evaluate students, residents and other health professionals.
- 2-3-2-M- Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:-
- Present a case.
 - Write a consultation note.
 - Inform patients of a diagnosis and therapeutic plan Completing and maintaining comprehensive.
 - Timely and legible medical records.
 - Teamwork skills.
- 2-3-2-N- Create and sustain a therapeutic and ethically sound relationship with patients.
- 2-3-2-O- Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.
- 2-3-2-P- Work effectively with others as a member or leader of a health care team or other professional group.
- 2-3-2-Q- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.
- 2-3-2-R- Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.
- 2-3-2-S- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and Disabilities
- 2-3-2-T- Work effectively in health care delivery settings and systems related to Public health and community medicine including good administrative and time management.
- 2-3-2-U- Practice cost-effective health care and resource allocation that does not compromise quality of care.
- 2-3-2-V- Advocate for quality patient care and assist patients in dealing with system complexities.
- 2-3-2-W- Design, monitor and evaluate

3-هـ- التخطيط لتطوير الممارسة المهنية وتنمية أداء الآخرين



<p>specification of under and post graduate courses and programs.</p> <p>2-3-2-X- Act as a chair man for scientific meetings including time management</p> <p>2-3-2-T- Work effectively in health care delivery settings and systems related to Public health and community medicine including good administrative and time management.</p>	
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III- Program ILOs Versus Courses ILOs

	Courses	Program ILOs			
		A-Knowledge and understanding	B- Intellectual skills	C- Professional and Practical skills	D- General and Transferable skills
1	Applied Biostatistics and Computer use	2.1. B- Basic, methods and ethics of medical	2.2.C- Involvement in research studies related to Public health and community medicine 2.2. D- Writing scientific papers. 2.2. H- Evidence – based discussion.		2-3-2-B- Appraise scientific evidence. 2-3-2-I- Design clinical guidelines and standard protocols of management 2-3-2-J- Appraise evidence from scientific studies related to the patients' health Problems 2-3-2-K- Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.
2	Research methods for health services	2.1.B- Basic, methods and ethics of medical research.	2.2.C- Involvement in research studies related to Public		2-3-2-B- Appraise scientific evidence. 2-3-2-D- Conduct epidemiological



			health and community medicine 2.2. D- Writing scientific papers. 2.2. H- Evidence – based discussion.		studies and surveys. 2-3-2-E. Participate in clinical audit and research projects. 2-3-2-I- Design clinical guidelines and standard protocols of management 2-3-2-J- Appraise evidence from scientific studies related to the patients' health problems
3	Primary Medical Reports	2.1. C- Ethical and medicological principles of medical practice related to Public health and community medicine.	2.2. H- Evidence – based discussion.	. 2-3-1-D- Perform diagnosis of the main health problems and prevention procedures considered essential in the field of Public health and community medicine 2-3-1-H Make informed	2-3-2-L- Use information technology to manage information, access on- line medical information; for the important topics



				decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for the Public health and community medicine related conditions. 2-3-1-I- Develop and carry out health management plans for Public health and community medicine related conditions. 2-3-1-J- Counsel and educate people about Public	
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				health and community medicine related conditions.	
5	Administrati on Epidemiolog y Environment al health	<p>2.1. A- Established, updated and evidence-based theories, basics and developments of Public health and community medicine and relevant sciences.</p> <p>2.1. D- Principles and measurements of quality in Public health and community medicine.</p>	<p>2.2. E- Risk evaluation in the related clinica practice.</p> <p>2.2.F- Planning for performance improvement in Public health and community medicine</p>	<p>2-3-1-A- Provide extensive level of Public health that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. p.s.</p> <p>Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.</p>	<p>2-3-2-M- Master interpersona l and communicati on skills that result in the effective exchange of information and collaboratio n with patients, their families, and health professional s, including:-</p> <ul style="list-style-type: none"> • Present a case. • Write a consultation



				<p>2-3-1-B- Provide extensive level of practical skills relevant to public health and community medicine for all common techniques and / or experiments.</p>	<p>note.</p> <ul style="list-style-type: none">• Inform patients of a diagnosis and therapeutic plan• Completing and maintaining comprehensive.• Timely and legible medical records.• Team work skills. <p>2-3-2-N- Create and sustain a therapeutic and ethically sound</p>
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					relationship with patients. 2-3-2-O- Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-P- Work effectively with others as a member or leader of a health care team or other professional group.
6	Mental health	2.1. E- Principles and efforts for maintains and improvements of public health.	2.2. A- Application of basic and other relevant science to	2-3-1-A- Provide extensive level of Public health that is	. 2-3-2-K- Apply knowledge of study designs and



			<p>solve Public health and community medicine related problems.'</p>	<p>compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. p.s. Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.</p>	<p>statistical methods to the appraisal of clinical studies. 2-3-2-L- Use information technology to manage information, access on-line medical information; for the important topics</p>
7	Health economics	<p>2.1. A- Established, updated and evidence-based theories, basics and developments of Public health and community medicine and relevant sciences. 2.1. B- Basic, methods and ethics of medical research.</p>	<p>2.2. A- Application of basic and other relevant science to solve Public health and community medicine</p>	<p>Provide extensive level of Public health that is compassionate, appropriate, and effective for the treatment of health problems</p>	<p>2-3-2-K- Apply knowledge of study designs and statistical methods to the appraisal of clinical</p>



			related problems. 2.2.B- Problem solving based on available data.	and the promotion of health. p.s. Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice. 2-3-1-B- Provide extensive level of practical skills relevant to public health and community medicine for all common techniques and / or experiments	studies. 2-3-2-L- Use information technology to manage information, access on-line medical information; for the important topics
8	Health Laws and ethics	2.1. A- Established, updated and evidence-based theories, basics	2.2.C- Involvement in research	2-3-1-A- Provide extensive level	. 2-3-2-K- Apply knowledge



		and developments of Public health and community medicine and relevant sciences.	studies related to Public health and community medicine 2.2. D- Writing scientific papers.	of Public health that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. p.s. Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.	of study designs and statistical methods to the appraisal of clinical studies. 2-3-2-L- Use information technology to manage information, access on-line medical information; for the important topics
9	Advanced public health and community medicine	2.1. A- Established, updated and evidence-based theories, basics and developments of Public health and community medicine and relevant sciences. 2.1. B- Basic, methods	2.2. A- Application of basic and other relevant science to solve Public health and	2/3/1/Prac cal skills (Pa ent care :) 2-3-1-A- Provide extensive level of Public health	2-3-2-A- Demonstrate the competency of continuous evaluation



	<p>and ethics of medical research.</p> <p>2.1. C- Ethical and medicological principles of medical practice related to Public health and community medicine.</p> <p>2.1. D- Principles and measurements of quality in Public health and community medicine.</p> <p>2.1. E- Principles and efforts for maintains and improvements of public health.</p>	<p>community medicine related problems.</p> <p>2.2.B- Problem solving based on available data.</p> <p>2.2.C- Involvement in research studies related to Public health and community medicine</p> <p>2.2. D- Writing scientific papers.</p> <p>2.2. E- Risk evaluation in the related clinica practice.</p> <p>2.2.F- Planning for performance improvement</p>	<p>that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. p.s.</p> <p>Extensive level means in-depth understanding from basic science to evidence – based clinical application and possession of skills to manage independently all problems in field of practice.</p> <p>2-3-1-B- Provide extensive level of practical skills relevant to public health and community medicine for all</p>	<p>of different types of care provision to patients in the different area of Public health and community medicine</p> <p>2-3-2-B- Appraise scientific evidence.</p> <p>2-3-2-C- Continuousl y improve patient care based on constant self-evaluation and life-long learning.</p> <p>2-3-2-D- Conduct epidemiolog ical studies</p>
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			<p>in Public health and community medicine</p> <p>2-2-G- Creation and innovation in the Public health and community medicine.</p> <p>2.2. H- Evidence – based discussion.</p> <p>2.2.I- Discussion making in different situations related to Public health and community medicine.</p>	<p>common techniques and / or experiments.</p> <p>2-3-1-C- Provide extensive level of practical skills for non – routine, laboratory skills and techniques and under increasingly difficult circumstances, while demonstrating compassionate, appropriate and effective care.</p> <p>2-3-1-D- Perform diagnosis of the main health problems and prevention procedures</p>	<p>and surveys.</p> <p>2-3-2-E. Participate in clinical audit and research projects.</p> <p>2-3-2-F- Practice skills of evidence-based Medicine (EBM).</p> <p>2-3-2-H- Design logbooks.</p> <p>2-3-2-I- Design clinical guidelines and standard protocols of management</p> <p>2-3-2-J- Appraise evidence from scientific</p>
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				considered essential in the field of Public health and community medicine	studies related to the patients' health problems
				2-3-1-E- Handles unexpected problems, while demonstrating compassion and sensitivity to community needs and concerns.	. 2-3-2-K- Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.
				2-3-1-F- Communicate effectively and demonstrate caring and respectful	2-3-2-L- Use information technology to manage information, access on-
				people in the Public health and community medicine related situations.	line medical information; for the important topics
				2-3-1-G- Gather essential and	2-3-2-G- Educate and



				<p>accurate information about people and community regarding Public health and community medicine related conditions.</p> <p>2-3-1-H Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical judgment for the Public health and community medicine related conditions.</p> <p>behaviors when interacting</p>	<p>evaluate students, residents and other health professionals.</p> <p>2-3-2-M- Master interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals, including:-</p> <ul style="list-style-type: none"> • Present a case.
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				<p>With people in the Public health and community medicine related situations.</p> <p>2-3-1-G- Gather essential and accurate information about people and community regarding Public health and community medicine related conditions.</p> <p>2-3-1-H Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to-date scientific evidence and clinical</p>	<ul style="list-style-type: none"> • Write a consultation note. • Inform patients of a diagnosis and therapeutic plan • Completing and maintaining comprehensive. • Timely and legible medical records. • Team work skills. • 2-3-2-N- Create and sustain a therapeutic
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				judgment for the Public health and community medicine related conditions. 2-3-1-I- Develop and carry out health management plans for Public health and community medicine related conditions. 2-3-1-J- Counsel and educate people about Public health and community medicine related conditions. 2-3-1-K- Use information technology to support control and prevention decisions and	and ethically sound relationship with patients. 2-3-2-O- Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-P- Work effectively with others as a member or leader of a health care team or other professional group. 2-3-2-Q- Demonstrate
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				<p>health education in all Public health and community medicine related clinical situations.</p> <p>2-3-1-L- Perform competently all diagnostic and preventive procedures considered essential for the Public health and community medicine related conditions / area of practices.</p> <p>2-3-1-M- Provide health care services aimed at preventing Public health and community medicine related health</p>	<p>respect, compassion, and integrity; a responsiveness to the needs of patients and society.</p> <p>2-3-2-R- Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.</p> <p>2-3-2-S- Demonstrate</p>
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				problems. 2-3-1-N- Lead health care professionals, including those from other disciplines, to provide patient-focused care in Public health and community medicine related conditions	sensitivity and responsiveness to patients' culture, age, gender, and Disabilities 2-3-2-T- Work effectively in health care delivery settings and systems related to Public health and community medicine including good administrative and time management 2-3-2-U- Practice cost-
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					<p>effective health care and resource allocation that does not compromise quality of care.</p> <p>2-3-2-V- Advocate for quality patient care and assist patients in dealing with system complexities</p> <p>2-3-2-W- Design, monitor and evaluate specification of under and post graduate courses and programs.</p> <p>2-3-2-X- Act as a</p>
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					chair man for scientific meetings including time management 2-3-2-T- Work effectively in health care delivery settings and systems related to Public health and community medicine including good administrati ve and time management
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Course coordinator

Dr.Rehab Gamal Mahdy

Rehab Gamal

Head of department

Prof.dr .Ahmed Mohamed Mahmoud Hany

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