



Program Specifications of Master degree in public  
health and community medicine,  
Qena Faculty of Medicine,

كود البرنامج: com209

N.	Courses	Code	Coordinator		Head of the department	
			Name	Signature	Name	Signature
1	<u>Biostatistics + Computer</u>	<u>Com20</u> 9	Amal Omar		Prof/ Ahmed Hany	
2	<u>Research Methodology</u>	<u>Com20</u> 9	Amal Omar		Prof/ Ahmed Hany	
3	<u>Environmental health</u>	<u>Com20</u> 9			Prof/ Ahmed Hany	
4	<u>Microbiology</u>	<u>208</u>			Prof/alialfi ay	
5	<u>parasitology</u>	<u>208</u>			Prof/ Osama Hussein	
6	<u>Behavioral science</u>	<u>Com22</u> 0			Prof/ Ahmed Hany	
7	<u>Advanced courses in the speciality</u>	<u>C0m20</u> 9			Prof/Ahme d'hany	

Program Coordinator

Dr/ Amal omar

Head of Public health department

Dr/ Ahmed Hany



**South Valley University Qena Faculty of Medicine**  
**Department of public health and community medicine**

**(A) Administrative information**

1. Program offering the course: Master degree in Public Health and Community Medicine
2. Department offering the course: Public Health and Community Medicine
3. Department responsible for teaching the course: Public Health and Community Medicine.

**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. Acquisition of advanced knowledge of behavioral & social health.
2. To ensure graduate will be able to apply the principle of communication & health education.
3. Acquisition of knowledge used for detection & investigation of important environmental health problems.
4. Maintenance of learning abilities necessary for continuous medical education.
5. To help students to gain awareness of potential emerging/threatening diseases & act as the first line of defense .
6. . The value & uses of epidemiologic methods.
7. Epidemiologic knowledge for control & prevention of disease.
8. Using statistical principles to improve their professional work
9. Making optimum use of resources to reach valid research conclusions
10. The main aim of medical Parasitology course is to provide the candidate with knowledge essential for the general practitioner related to parasites of medical significance regard in g their biology and life cycle; host parasite relationship ; environmental and host factors regulating parasitic diseases transmission pattern.



11. How to prevent it; parasites causing alternation in the structure and function of human organs and the different methods of management and control of parasitic diseases.

12. Educate the student the role of the PHC physician in dealing with community health problems

13. Help the student Appreciate the role of the community & recognize physician's role as a community change agent

### **2. Attributes of the post graduate:**

1. Mastering the basics of scientific research methodologies.

2. The application of the analytical method and used in the field of Community Medicine.

3. The application of specialized knowledge and integrate it with the relevant knowledge in practice.

4. Be aware of the problems and has modern visions in the field of Community Medicine.

5. Identify problems in the field of Community Medicine and find solutions to them.

6. Mastery of professional skills in this specialty and use of the appropriate recent technologies supporting these skills.

7. Communicate effectively and the ability to lead work teams.

8. Decision-making in his professional contexts.

9. To employ and preserve the available resources to achieve the highest benefit.

10. Awareness of his role in the community development and preservation of the environment at the lights of both international and regional variables.

11. Reflects the commitment to act with integrity and credibility, responsibility and commitment to rules of the profession.

12. Academic and professional self development and be capable of continuous learning.

### **3. Intended learning outcomes (ILOs)**

#### **a) Knowledge and understanding**

On successful completion of the course, the candidate will be able to:

#### **A- Knowledge & Understanding :**

**A1:** Define prevalent health problems associated with unsanitary environment.

**A2:** definition, types, & components of the environment.

**A3:** list environmental variables affecting health and disease.



- A4:** outline how to prevent & control environmental problems (air, water, food)
- A5:** Discuss characteristics, advantages & disadvantages of descriptive, analytic & experimental studies.
- A6:** Discuss indications, criteria & steps of screening programs.
- A7: Describe & understand basic statistical tests.**
- A8: Recognize different morbidity and mortality indices**
- A9:** Describe the role of social & behavioral factors as major determinants of morbidity & mortality.
- A10:** Identify the role of social & behavioral interventions to reduce public health problems & improve the health of individuals & populations.
- A11:** Explain principles of health behavior theories & models used in public health research & practice.
- A12:** to identify different bad behaviours and its relation to disease
- A13:** To identify different effects of drug addiction
- A14:** to identify the relation between adultery and AIDS.
- A15:** to identify the effect of home violence on women in the community
- A16:** Define Antimicrobial agents.
- A17:** Recognize different types of immunity.
- A18:** Identify routine, recommended, & potential vaccines
- A19:** Identify morphology, pathogenesis & diagnosis of the following bacteria: Staph. ,Strept., Neisseria, Mycobacteria, Salmonella, Brucella & Vibrio.
- A20:** Identify structure, mode of transmission, clinical picture & diagnosis of hepatitis viruses, herpes viruses, influenza virus & HIV virus
- A21:** list the world distribution of important parasitic infections and the epidemiologic principles and the effect of social and demographic patterns on parasitic disease and vulnerability
- A22:** list the common parasitic diseases and life- threatening conditions caused by protozoa as regards etiology and life cycle of parasites of medical importance
- A23:** Know the common diseases caused by protozoa as regards pathogenesis, clinical features, differential diagnosis and complications
- A24:** Outline methods of disease prevention .
- A25:** Describe the common diseases caused by arthropods of medical



interest as regards etiology, pathogenesis, clinical features and methods of combat

**A26:** Identify different healthcare programs.

**A27:** Explain principles of prevention & control programs of different health problems

**A28:** Explain the relationship of nutrition with health and disease.

**A29:** Recognize healthcare system management concepts & functions in the context of quality assurance.

**A30:** Recognize occupational health problems & principles of occupational health programs.

## **2- Intellectual activities (I)**

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

### **B: Intellectual skills :**

**B1:** Adopt the principles of environmental sanitation to certain problem

**B2:** Analyze global environmental problems & their impact

**B3:** Detect requirements of environmental health in different health problems.

**B4:** Apply selected theories & models to the analysis of public health problems & the design & evaluation of interventions to reduce these problems.

**B5:** Perform risk assessment for different behavioral problems.

**B6:** Evaluate preventive & control measures designed to a specified behavioral problem

**B7: Apply the suitable epidemiologic strategy for the research problem.**

**B8: Calculate indices of a specific health problem.**

**B9:** Test the association between certain outcome & an exposure

**B10: Interpret epidemiological findings into recommendations for a specific intervention.**

**B11:** Integrate principles of microbiology into prevention & control of infectious diseases

**B12-**Analyze the results obtained from history , clinical



examination and investigation data into meaningful diagnostic formulation ( using case study

**B13**-interpret clinical and investigational data with evidence based knowledge and skills of deductive reasoning for clinical problem solving (using case study

**B14**: Adopt principles of public health & preventive medicine to various health problems.

**B15**: Interpret epidemiological findings into recommendations for a specific intervention.

**B16**: Detect resources required for prevention and control program implementation.

**B17**: Test effectiveness of health program implemented to certain health problem.

**B18**: Differentiate various healthcare levels (primary, secondary, tertiary).

**B19**: Employ the principles of nutritional care for different vulnerable groups.

**B20**: Analyze resources required for program implementation.

**B21**: Test effectiveness of a prevention & control program implemented to certain health problem.

### **3-Professional/practical skills**

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following Professional and Practical Skills

**C1**-promote physical mental and social health and wellbeing of the community

**C2**- Know how to prevent disease , prolonging life and promoting healthy behavior

**C3**-Become care provider , decision maker , communicator , community leader and manager

**C4**: Utilize basic information for detecting enviromintal problems .

**C5**: Select study design appropriate to its objectives.



**C6:** Apply appropriate statistical tests when needed.

**C7:** Interpret the results of statistical analysis.

**C8-**promote physical mental and social health and wellbeing of the community

**C9-** Know how to prevent disease , prolonging life and promoting healthy behavior

**C10-**Become care provider , decision maker , communicator , community leader and manager

**C11:** Evaluate individual and population health problems.

**C12:** Design, implement and evaluate health services for both individuals and populations health problems.

**C13:** Utilize the available resources to formulate a prevention and control program

**C14:** Develop skills in management and administration of appropriate health services.

**C15:** Be able to use objective measurable criteria such as epidemiological impact and cost effectiveness.

**C16:** Develop skills in setting standards and designing indicators for quality assurance process

**C17:** Evaluate the performance of healthcare facility in terms of standards and indicators

**D- General and Transferable Skills:** By the end of the course, the student is expected to be able to:

**D1-**Manage a group of people in a work environment

**D2-** Work in a group

**D3-** Communicate well with his colleagues, top management and subordinates

**D4-** Retrieve recent data from web sites.

**D5:** Develop communication skills and express themselves freely and adequately.

**D6:** Develop team skills during student's presentations.



**D7:** Use computers to calculate various indices and indicators

**D8:** Present information regarding epidemiology of a specific health problem (communicable/ Non-communicable).

**4. Curriculum structure and contents:**

- Program duration: .

- Program structure:

Module	course code	Credit hours	Lectures	Practical
First part				
Basics of Medical biostatistics	COM209	2	15	30
Research methodology	COM209	2	15	30
Environmental health and its relation to public health	COM209	2	45	
Microbiology and its relation to public health	208	2	15	30
Parasitology and its relation to public health	208	2	15	30
Behavioral science and its relation to public health	COM220	2	15	30
SECOND PART				
Methodology and medical statistics Demography Epidemiology Health problem related to nutritional deficiency and method of prevention Health administration Study of Health problems and Special health care services e.g. Maternal and Child Health, school health, rural health Advanced courses in the speciality	COM209	25	255	240





**Course Specifications of Environmental medicine for public health in  
Master degree of Public Health and Community Medicine**

**(A) Administrative information**

<b>(1) Program offering the course:</b>	<b>Master Degree of Public Health &amp; community Medicine</b>
<b>(2) Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(4) Part of the program:</b>	<b>First Part</b>
<b>(7) Course title:</b>	<b>ENVIRONMENTAL</b>
<b>(8) Course code</b>	<b>COM 209</b>
<b>(9) Credit hours</b>	<b>2 hour</b>
	<b>15 lectures , 30 practical</b>

**(B) Professional information**



**(1) Course Aims:**

The broad aims of the course are to support acquisition of basic knowledge used for detection & investigation of important environmental health problems:

- Educate the student the role of the PHC physician in dealing with community health problems
- Help the student Appreciate the role of the community & recognize physician's role as a community change agent

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

On successful completion of the course, the candidate will be able to:

**B- Knowledge & Understanding :**

- A1:** Define prevalent health problems associated with unsanitary environment.
- A2:** definition, types, & components of the environment.
- A3:** list environmental variables affecting health and disease.
- A4:** outline how to prevent & control environmental problems (air, water, food)

**2- Intellectual activities (I)**

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

**B: Intellectual skills :**

- B1:** Adopt the principles of environmental sanitation to certain problem
- B2:** Analyze global environmental problems & their impact
- B3:** Detect requirements of environmental health in different health problems.

**3-Professional/practical skills**

- C1:** Utilize basic information for detecting environmental problems .

**(3) Course content:**

Subjects	Lectures	Practical
- Definition, types, & requirements of Environmental health.	1	3



- Environmental planning & housing.	1	3
- Air composition & requirements.	1	3
- Types, sources, effect, prevention & control of air pollution.	1	3
- Global environmental problems.	2	3
- Types & sources of water pollution.	1	3
- Water purification systems.	2	3
- Definition, classification, management of waste.	2	3
- Food sanitation principles & food-borne pathogens.	2	3
- Investigation of food borne outbreaks.	2	3
Total	15	30

**(4) Teaching methods:**

1. Lectures
2. Seminars
3. Workshops
4. Tutorial
5. Small group discussion with case study & problem solving

**(5) Assessment methods:**

1. MCQ Examination (for assessment of knowledge & intellectual skills)
2. Written Examination (for assessment of knowledge & intellectual skills)
3. Oral examination (for assessment of knowledge, intellectual skills & Transferable skills)
4. Log book:
5. Seminars: the candidate should prepare & present at least one seminar in a topic related to the course & determined by the supervisors in front of the department staff (without marks).

**Assessment schedule:**

Written exam: 50 marks

Oral exam: 50 marks

Other assessment without marks: seminars & log book assessment.

**(6) References of the course:**



**1. Hand books:** Course notes: books authorized by department

**2. Text books:**

**Environmental & Occupational Medicine**, William N. Rom, 4th Edition, Lippincott Williams & Wilkins, 2007

**Text Book of Public Health & Community Medicine**, Department of Community Medicine, AFMC, Pune in Collaboration with WHO, India Office, New Delhi, Gayo Enterprises, 2009.

**Public Health & Preventive Medicine**, Wallace/Maxcy-Rosenau-Last, the McGraw-Hill Companies, Inc., 2008.

**3. Journals:** Publications of national & international public health organization; EMOHP, WHO, CDC & APHA.

**6.4: Websites:** www.who.int/ 4

**(7) Facilities & resources mandatory for course completion:**

Candidates & their learning are supported in a number of ways:

- Lecture rooms: available in the department
- Computer Lab: available in the department with a wide range of software
- Induction course introducing study skills
- Candidates logbook
- Program Specification & Handbooks
- Extensive library & other learning resources
- Intranet with a wide range of learning support material

**Course coordinator Amal Omar Mohamed**

**Head of the department**

**Prof. Dr. Ahmed Mohammed Mahmoud Hani**

**Course Specifications of Behavioral and social sciences and their implications for public health in Master degree of Public Health and Community Medicine**

**(A) Administrative information**

<b>(1) Program offering the course:</b>	<b>Master Degree of Public Health &amp; community Medicine</b>



<b>(2) Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(4) Part of the program:</b>	<b>First Part</b>
<b>(7) Course title:</b>	<b>Behavioral and social sciences and their implications for public health</b>
<b>(8) Course code</b>	<b>COM 220</b>
<b>(9) Credit hours</b>	<b>2 hour</b>

#### **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. Acquisition of advanced knowledge of behavioral & social health.
2. To ensure graduate will be able to apply the principle of communication & health education.
3. Acquisition of knowledge used for detection & investigation of important environmental health problems.
4. Maintenance of learning abilities necessary for continuous medical education.



5-To influence the students to adopt an analytical thinking for evidence based medicine.

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

**a) Knowledge and understanding:** On successful completion of the course, the candidate will be able to:

**A1.** Describe the role of social & behavioral factors as major determinants of morbidity & mortality.

**A2:** Identify the role of social & behavioral interventions to reduce public health problems & improve the health of individuals & populations.

**A3:** Explain principles of health behavior theories & models used in public health research & practice.

**A4.** to identify different bad behaviours and its relation to disease

**A5.** To identify different effects of drug addiction

**A6.** to identify the relation between adultery and AIDS.

**A7.** to identify the effect of home violence on women in the community

**b) Intellectual Skills:** The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

**B1:** Apply selected theories & models to the analysis of public health problems & the design & evaluation of interventions to reduce these problems.

**B2:** Perform risk assessment for different behavioral problems.

**B3:** Evaluate preventive & control measures designed to a specified behavioral problem.

**c) Professional and Practical Skills:** The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following Professional and Practical Skills

**C1-** promote physical mental and social health and wellbeing of the community

**C2-** Know how to prevent disease , prolonging life and promoting healthy behavior

**C3-** Become care provider , decision maker , communicator , community leader and manager

## **3-contents:**



Topic	No. of hours	Lecture	Practical
Bad behaviours and its relation to disease		2	4
Effect of smoking on cancers and different related diseases		2	4
Effect of drug addiction		2	4
Adultery and its relation to AIDS		2	4
Lack of physical activity and its relation to disease		2	4
Bad life style		2	4
Home violence and its effect on women		2	4
revision		1	2
Total		15	30

#### 4. Teaching and Learning Methods

4.1- Lectures

4.2- Practical sessions

#### 5. Assessment Methods:

Student Assessment Methods	Method of assessment The assessed ILOs
5.1- Observation of attendance and absenteeism.	General transferable skills, intellectual skills
5.2-Written Exams: - Short essay: 40% - Long questions: 60%	Knowledge, Intellectual skills,



5.3-Structured Oral Exams	Knowledge , intellectual skills

### **Assessment Schedule**

Assessment 1 Written exam at 6 months of registration of MD degree. Assessment 2. Final oral exam

Log book

Seminars: the candidate should prepare & present at least one seminar in a topic related to the course & determined by the supervisors in front of the department staff (without marks).

### **Weighting of Assessments**

Final-term written examination 50%

Final oral Examination 50%

Total 100%

### **6. List of References:**

#### **6.1- Essential Books (Text Books)**

1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc

2- Short Textbook of preventive & social Medicine Prentice-Hall International Inc.

#### **6.3- 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:**

- Adequate conditioned teaching facilities.
- Audiovisual Aids: Data show, overhead and slide projectors and their requirements.
- 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 data shows, projectors, flip charts, white boards,

Course Coordinator: Prof. Dr. Amal omar Mohamed

Head of Department ;Prof. Dr. Ahmed Mohammed Mahmoud Hany

**Course Specifications of Medical statistics and their implications for public health in Master degree of Public Health and Community Medicine**

**(A) Administrative information**

<b>(1) Program offering the course:</b>	<b>Master Degree of Public Health &amp; community Medicine</b>
<b>(2) Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(4) Part of the program:</b>	<b>First Part</b>
<b>(7) Course title:</b>	<b>Medical statistics and their implications for public health</b>
<b>(8) Course code</b>	<b>COM 209</b>



<b>(9) Credit hours</b>	<b>2 hour</b>
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**(B) Professional information**

**(1) Course Aims:**

To support acquisition of basic knowledge & practical skills in epidemiological methods & biostatistics:

1. The value & uses of epidemiologic methods.
2. Epidemiologic knowledge for control & prevention of disease.
3. Using statistical principles to improve their professional work
4. Making optimum use of resources to reach valid research conclusions

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

On successful completion of the course, the candidate will be able to:

**A- Knowledge & Understanding**

**A1:** Discuss characteristics, advantages & disadvantages of descriptive, analytic & experimental studies.

**A2:** Discuss indications, criteria & steps of screening programs.

**A3: Describe & understand basic statistical tests.**

**A4: Recognize different morbidity and mortality indices**

**2- Intellectual activities (I)**

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

**B- Intellectual skills**

**B1: Apply the suitable epidemiologic strategy for the research problem.**

**B2: Calculate indices of a specific health problem.**

**B3: Test the association between certain outcome & an exposure**

**B4: Interpret epidemiological findings into recommendations for a specific intervention.**

**C- Professional/practical skills**

**C1: Select study design appropriate to its objectives.**

**C2: Apply appropriate statistical tests when needed.**

**C3: Interpret the results of statistical analysis.**

**D- Communication & Transferable skills**

**D1: Develop communication skills and express themselves freely and**



adequately.

**D2:** Develop team skills during student's presentations.

**D3:** Use computers to calculate various indices and indicators

**D4: Present information regarding epidemiology of a specific health problem (communicable/**

Non-communicable).

### 3-contents:

Topic	No. of hours	Lecture	Practical
Methods of data collection		2	4
Presentation of data		2	4
Measures of central tendency		2	4
Measures of dispersion		2	4
Student T-test		2	4
Revision		2	4
Revision		2	4
Revision		1	2
Total		15	30

### 4. Teaching and Learning Methods

4.1- Lectures

4.2- Practical sessions

### 5. Student Assessment Methods :

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



5.2-Written Exams: - Short essay: 40% -  structured questions: 25%  -MCQs: 20% -  Commentary, Problem solving: 15%	Knowledge Knowledge Knowledge, intellectual skills Intellectual skills, General transferable skills, Practical skills, intellectual skills
5.3-Structured Oral Exams 5.4Computer search assignment	Knowledge general transferable skills, intellectual skills

#### **Assessment Schedule**

Assessment 1....Final written exam Week: 24

Assessment 2.....Final oral exam Week: 24

Assessment 3 Attendance and absenteeism throughout the course

Assessment 4 Computer search assignment performance throughout the course

#### **Weighting of Assessments**

Final-term written examination 50%

Final oral Examination 50%

Total 100%

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

#### **6. List of References:**

##### **6.1- Essential Books (Text Books)**

1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc

##### **6.2- Recommended Books**



1- Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc

2- Short Textbook of preventive & social Medicine Prentice-Hall International Inc.

**6.3- 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:**

- Adequate conditioned space for staff and assistants.
- Adequate conditioned teaching facilities.
- Audiovisual Aids: Data show, overhead and slide projectors and their requirements.
- 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:    Head of Department:    Date:,    Revised:  
 Dr Amal Omar    Dr Ahmed Hany

**Course Specifications of Microbiology for public health in Master degree of Public Health and Community Medicine**

**(A)Administrative information**

<b>(1) Program offering the course:</b>	<b>Master Degree of Public Health &amp; community Medicine</b>
<b>(2) Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>



<b>(3) Department responsible for teaching the course:</b>	<b>Microbiology Department</b>
<b>(4) Part of the program:</b>	<b>First Part</b>
<b>(7) Course title:</b>	<b>Microbiology related to public Health</b>
<b>(8) Course code</b>	<b>207</b>
<b>(9) Credit hours</b>	<b>2 hour</b>
<b>Teaching hours</b>	<b>15 lectures, 30 practical</b>

### **(B) Professional information**

#### **(1) Course Aims:**

The broad aims of the course are as follows:

1. To support acquisition of basic knowledge related to preventive & control measures for common infectious diseases
2. To help students to gain awareness of potential emerging/threatening diseases & act as the first line of defense .

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

On successful completion of the course, the candidate will be able to:

##### **A- Knowledge & Understanding**

**A1:** Define Antimicrobial agents.

**A2:** Recognize different types of immunity.

**A3:** Identify routine, recommended, & potential vaccines

**A4:** Identify morphology, pathogenesis & diagnosis of the following bacteria:



Staph. ,Strept., Neisseria, Mycobacteria, Salmonella, Brucella & Vibrio.  
**A5:** Identify structure, mode of transmission, clinical picture & diagnosis of hepatitis viruses, herpes viruses, influenza virus & HIV virus

## 2- Intellectual activities (I)

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following intellectual qualities:

### B- Intellectual skills

**B1:** Integrate principles of microbiology into prevention & control of infectious diseases

**C- Professional/practical skills C1:** Utilize basic investigations (slide exam) for detecting infectious diseases of public health importance.

**C2:** : Develop skills in identifying gram positive & gram negative cocci & bacilli

**C3: Develop skills in identifying different types of agar & cultures**

**C4: Develop skills in identifying different biochemical reactions of selected organisms.**

**d- General and Transferable Skills:** By the end of the course, the student is expected to be able to:

d1- Manage a group of people in a work environment

d2- Work in a group

d3- Communicate well with his colleagues, top management and subordinates

d4- Retrieve recent data from web sites

Subjects	Lectures	practical
1-General microbiology	2	4
2-Basic immunology & Vaccines	4	4
Systematic bacteriology:	2	4
3-Staph ,Strept, Neisseria,	1	4
4-Mycobacteria, Salmonella , Brucella , Vibrio	1	4



5-Medical virology :	2	4
1-DNA: herpes , hepatitis	2	4
2-RNA: influenza		
6-Hospital acquired infections	1	2
Total	15	30

**(4) Teaching methods:**

1: Lectures 2. Practical lab. 3. Tutorial

**(5) Assessment methods:**

1. Written Examination: structured essay question for assessment of knowledge
2. Oral examination for assessment of intellectual skills

**Assessment schedule:**

Final Written examination: 100 marks

Oral examination: 100 marks

**(6) References of the course:**

**Hand books:** Course notes: books authorized by department

**(7) Facilities & resources mandatory for course completion:**

- Lecture rooms: available in the Microbiology department
- Practical Lab: available in the Microbiology department
- Candidates logbook
- Program Specification and Handbooks
- Extensive library and other learning resources

**Course coordinator Dr Mustafa Ismaei**

**Head of the department**

**Prof. Dr. Mohamed Ali El feqy**

**Course Specifications of parasitology and their implications for public health in Master degree of Public Health and Community Medicine**





**(B) Administrative information**

<b>(1) Program offering the course:</b>	<b>Master Degree of Public Health &amp; community Medicine</b>
<b>(2) Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>(3) Department responsible for teaching the course:</b>	<b>Parasitology Department</b>
<b>(4) Part of the program:</b>	<b>First Part</b>
<b>(7) Course title:</b>	<b>Parasitology related to public Health</b>
<b>(8) Course code</b>	<b>208</b>
<b>(9) Credit hours</b>	<b>2 hour</b>
<b>Teaching hours</b>	<b>15 lectures, 30 practical</b>

**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. The main aim of medical Parasitology course is to provide the candidate with knowledge essential for the general practitioner related to parasites of medical significance regard in g their biology and life cycle; host parasite relationship ; environmental and host factors regulating parasitic diseases transmission pattern.

2.How to prevent it; parasites causing alternation in the structure and function of human organs and the different methods of management and control of parasitic diseases..

3To provide thecandidate with the skill And attitude of observation , interpretation and integration of data needed to diagnose human parasitic infections..

## **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 the world distribution of important parasitic infections and the epidemiologic principles and the effect of social and demographic patterns on parasitic disease and vulnerability
- a2. list the common parasitic diseases and life- threatening conditions caused by protozoa as regards etiology and life cycle of parasites of medical importance
- a3. Know the common diseases caused by protozoa as regards pathogenesis, clinical features, differential diagnosis and complications
- a4. Outline methods of disease prevention .
- a5. Describe the common diseases caused by arthropods of medical interest as regards etiology, pathogenesis, clinical features and methods of combat

**b) Intellectual Skills** By the end of the course, the student is expected to be allowed to:

- b1-Analyze the results obtained from history , clinical examination and investigation data into meaningful diagnostic formulation ( using case ( study
- b2-interpret clinical and investigational data with evidence based knowledge and skills of deductive reasoning for clinical problem solving ( (using case study



**e) Professional and Practical Skills:** By the end of the course, the student is expected to practice the following:

c1-promote physical mental and social health and wellbeing of the community

c2- Know how to prevent disease , prolonging life and promoting healthy behavior

c3-Become care provider , decision maker , communicator , community leader and manager

**d) General and Transferable Skills:** By the end of the course, the student is expected to be able to:

d1-Manage a group of people in a work environment

D2- Work in a group

D3- Communicate well with his colleagues, top management and subordinates

D4- Retrieve recent data from web sites

### 3-contents:

Topic	Lecture	Practical
<i>Giardia &amp; Trichomonas &amp; Balantidium</i>	1	2
Trypanosomatidae	1	2
<i>Malaria &amp; Babesia</i>	2	4
<i>Toxoplasma &amp; Sarcocystis</i>	1	2
arthropods & Mosquitoes	1	2
Sand fly & <i>Simulium</i> & Biting midges	1	2
Brachycera ( <i>Musca &amp; Stomoxys &amp; Glossina</i> )	1	2
Sarcophagidae & Calliphoridae & myiasis	1	2



Ticks & Mites	1	2
Fachiola and shistosomiasis	2	4
Pin worms, hook worms	1	2
total	15	30

#### 4. Teaching and Learning Methods

- 4.1- Lectures
- 4.2- Practical sessions

#### 5. Student Assessment Methods:

Student Assessment Methods	Method of assessment The assessed ILOs
5.1- Observation of attendance and absenteeism.	General transferable skills, intellectual skills
5.2-Written Exams: - Short essay: 40% - structured questions: 25% -MCQs: 20% - Commentary, Problem solving: 15%	Knowledge Knowledge Knowledge, intellectual skills Intellectual skills, General transferable skills, Practical skills, intellectual skills
5.3-Structured Oral Exams 5.4Computer search assignment	Knowledge general transferable skills, intellectual skills



### **Assessment Schedule**

Assessment 1 ....Final written exam

Assessment 2 .....Final oral exam

### **Weighting of Assessments**

Final-term written examination 50%

Final oral Examination 50%

Total 100%

### **6. List of References:**

Foundations of Parasitology (Robert's et al)

### **7. Facilities Required for Teaching and Learning:**

- Adequate conditioned space for staff and assistants.
- Adequate conditioned teaching facilities.
- Audiovisual Aids: Data show, overhead and slide projectors and their requirements.
- 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: Head of Department: Date:,Revised:

Dr Yasser Fahmy                      Dr Osama Hussein

### **COURSE SPECIFICATION**

Faculty of Medicine- South valley University

### **(A) Administrative information**



<b>Program offering the course</b>	<b>Master Degree of Public Health &amp; Preventive Medicine</b>
<b>Department offering the program:</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>Department responsible for teaching the</b>	<b>Public Health &amp; Community Medicine Department</b>
<b>Part of the program:</b>	<b>Second part</b>
<b>Course title</b>	<b>Public Health &amp; Preventive Medicine</b>
<b>Credit hours</b>	<b>25 hours</b>
<b>COURSE CODE</b>	<b>COM 209</b>
<b>Total teaching hours</b>	<b>255 lectures 240 practical</b>

**(B) Professional information**

(1) Course Aims: The broad aims of the course are as follows:

- 1- To support acquisition of basic knowledge of epidemiology & preventive medicine.



2- Demonstrate practical skills relevant to further public health practice such as:

- a- Applying basics of health economics.
  - b- Detection & investigation of important public health problems (communicable, non-communicable & nutrition).
  - c- Work effectively within a team.
- 3- Identify principles of Health care management.
- 4- Identify & review relevant laws & regulations regarding health system in Egypt.

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

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical & transferable skills.

On successful completion of the course, the candidate will be able to:

**A- Knowledge & Understanding**

- A1: Define the prevalent communicable health problems in the community.
- A2: Define the prevalent non-communicable health problems in the community.
- A3: Identify different healthcare programs.
- A4: Explain principles of prevention & control programs of different health problems
- A5: Explain the relationship of nutrition with health and disease.



A6: Recognize healthcare system management concepts & functions in the context of quality assurance.

A7: Recognize occupational health problems & principles of occupational health programs.

## **2- Intellectual activities (I)**

The Postgraduate Degree provides opportunities for candidates to achieve & demonstrate the following

intellectual qualities:

### **B- Intellectual skills**

B1: Adopt principles of public health & preventive medicine to various health problems.

B2: Interpret epidemiological findings into recommendations for a specific intervention.

B3: Detect resources required for prevention and control program implementation.

B4: Test effectiveness of health program implemented to certain health problem.

B5: Differentiate various healthcare levels (primary, secondary, tertiary).

B6: Employ the principles of nutritional care for different vulnerable groups.

B7: Analyze resources required for program implementation.

B8: Test effectiveness of a prevention & control program implemented to certain health problem.

### **C- Professional/practical skills**

C1: Evaluate individual and population health problems.





C2: Design, implement and evaluate health services for both individuals and populations health problems.

C3: Utilize the available resources to formulate a prevention and control program

C4: Develop skills in management and administration of appropriate health services.

C5: Be able to use objective measurable criteria such as epidemiological impact and cost effectiveness.

C6: Develop skills in setting standards and designing indicators for quality assurance process

C7: Evaluate the performance of healthcare facility in terms of standards and indicators

C8: Perform risk assessment for different environmental health problems

C9: Apply health behavioral theories for different health problems

C10: Apply appropriate communication and health education strategies for different health problems.

#### **D- Communication & Transferable skills**

D1: Develop communication skills and express themselves freely and adequately.

D2: Develop team skills during student's presentations.

D3: Use computers to calculate various indices and indicators

D4: Search the literature to maximize their educational experiences.

D5: Adopt scientific principles of solving public health problems.

D6: Present information regarding epidemiology of a specific health problem (communicable/



Non-communicable).



**(3) Course content: Compulsory courses : given on 3 semesters (2nd, 3<sup>rd</sup>, 4<sup>th</sup>)**

Course	Lectures	Practical
<b>Principles of Preventive Medicine</b>	18	
Epidemiologic Determinants	2	
Diseases Classification	2	
Changes In Diseases Trends	2	
Inequalities in health	2	
Public health measures & sources of & disease burden	2	
Health Information Systems	2	
Specific Prevention measures	2	
Immunity	2	
Health Hazard Appraisal & Risk Reduction		
<b>Epidemiology of Communicable &amp; Non Communicable diseases</b>	72	
1. Communicable Disease Epidemiology: Introduction & Key spots	2	
2. Principles of General Epidemiology	2	
3. Communicable Disease Epidemiology overview.	2	
4. Immunization	2	
5. Epidemic Investigation & control	2	
6. Surveillance & Control of Infectious Disease	2	
7. Communicable Diseases prevention	2	
8. Hospital Infections	2	
9. Immunizing Agents & Cold Chain	2	
10. Traveler Health problem		
11. Emerging & Reemerging infections		
12. Disease elimination & eradication		
13. epidemiological transition & trends in disease burden	2	
14. Droplet infections epidemiology & preventive strategies	2	
15. Tuberculosis: Epidemiology & prevention &	2	



control	2	
16. Arthropod borne Dis. Epidemiology & prevent strategies	2	
17. parasitic diseases: Epidemiology & prevention & control	2	
18. HIV worldwide & preventive strategies for its control	2	
19. Contact Diseases: epidemiology & preventive strategies	2	
20. Schistosomiasis: Trends, risk factors, prevention & control	2	
21. Viral Hepatitis burden, policies & strategies of control.	2	
22. Malaria: Epidemiology, prevention & control measures.	2	
23. Food born infections Epidemiology & prevention & control	2	
24. Poliomyelitis: Epidemiology, & prevention & control	2	
25. Non-communicable disease: epidemiology of risk factors	2	
26. Diabetes Mellitus: Epidemiology & control strategies	2	
27. Cancer: Epidemiology, & prevention & control		
28. Work & Environmental related Cancers		
29. Resp. diseases: Epidemiology, & prevention & control.		
30. Injury, violence & domestic violence.		
31. Hepatic Diseases: Epidemiology , prevention & control	2	
32. Disabilities Epidemiology & prevention & control		
<b>PHC, Reproductive Health, MCH, National &amp; Global Health Program</b>	<b>47</b>	
<input type="checkbox"/> History of health care in Egypt	2	
<input type="checkbox"/> Organization of health care	2	
<input type="checkbox"/> Levels of health care	3	
<input type="checkbox"/> Health sector reform	4	



<input type="checkbox"/> Primary health care & BB package	4	
<input type="checkbox"/> Health insurance system	2	
<input type="checkbox"/> Assessment of health care	6	
<input type="checkbox"/> Reproductive health	6	
<input type="checkbox"/> Maternal health	6	
<input type="checkbox"/> Family planning	6	
<input type="checkbox"/> Child health	6	
<b>Principles of Family Medicine</b>	6	
<input type="checkbox"/> Family medicine model in Egypt	3	
<input type="checkbox"/> Assessment of family practice	3	
<b>Health Care of Vulnerable Groups.</b>	12	
<input type="checkbox"/> Geriatric Health.	2	
<input type="checkbox"/> Adolescent Health.	6	
<input type="checkbox"/> Rural Health	4	
<b>Principles of Occupational &amp; Industrial Medicine.</b>	22	
<input type="checkbox"/> Introduction to occupational health	1	
<input type="checkbox"/> Occupational infections & vaccinations.	2	
<input type="checkbox"/> Occupational physical hazards	4	
<input type="checkbox"/> Occupational chemical hazards	4	
<input type="checkbox"/> Toxicology of pesticides	3	
<input type="checkbox"/> Psychosocial aspects of work	2	
<input type="checkbox"/> Occupational reproductive health	2	
<input type="checkbox"/> Work, industry & general environment	2	
<input type="checkbox"/> Bioethics in occupational health research & practice	3	
<b>Principles of Mental Health.</b>	3	
<input type="checkbox"/> Risk factors related to mental health	1	
<input type="checkbox"/> Impact of mental illness on families , communities & health care system	1	
<input type="checkbox"/> Mental health program	1	

**(6) References of the course:**

1. Hand books: Course notes: books authorized by department
2. Text books:



Public Health & Preventive Medicine, Wallace/Maxcy-Rosenau-Last, the McGraw-Hill Companies, Inc.,

2008.

Text Book of Public Health & Community Medicine, Department of Community Medicine, AFMC,

Pune in Collaboration with WHO, India Office, New Delhi, Gayo Enterprises, 2009.

**(7) Facilities & resources mandatory for course completion:**

Candidates & their learning are supported in a number of ways:

- Lecture rooms: available in the department
- Computer Lab: available in the department with a wide range of software
- Induction course introducing study skills
- Candidates logbook
- Program Specification & Handbooks
- Extensive library & other learning resources
- Intranet with a wide range of learning support material

**Course coordinator: Prof. Dr. Amal omar Mohamed**

**Head of the department: Prof. Dr. Ahmed Mohamed mahmoud Elhany**

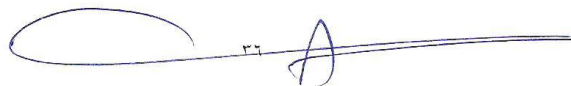
Graduate attributes

Faculty ARS	NAQAEE General ARS for Postgraduate Programs
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 مستتبطا و مطورا للعلاقات البنينة 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 و عيا 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

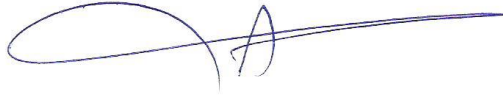


<p>5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.</p> <p>7- Acquire an in depth understanding of common areas of Public health and community medicine, from basic clinical care to evidence 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>ظيف 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- Use recent technologies to improve his practice in Public health and community medicine.	بالتنمية الذاتية المستمرة و نقل علمه و خبراته للآخرين

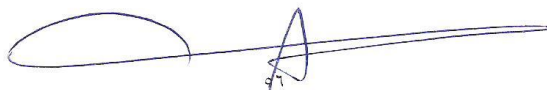




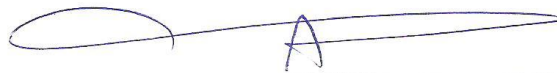
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## Academic standards

Faculty ARS	NAQAAE General ARS for Postgraduate Programs
2.1. A- Established, updated and evidence- based theories, basics and developments of Public health and community medicine and relevant sciences.	2-1-أ-النظريات و الأساسيات والحديث من المعارف في مجال التخصص والمجالات ذات العلاقة
2.1. B- Basic, methods and ethics of medical research.	2-1-ب- أساسيات و منهجيات و أخلاقيات البحث العلمي و أدواته المختلفة
2.1. C- Ethical and medicologal principles of medical practice related to Public health and community medicine.	2-1-ج- المبادئ الأخلاقية و القانونية للممارسة المهنية في مجال التخصص
2.1. D- Principles and measurements of quality in Public health and community medicine.	2-1-د مبادئ و أساسيات الجودة في الممارسة المهنية في مجال التخصص
2.1. E- Principles and efforts for maintains and improvements of public health.	2-1-هـ- - المعارف المتعلقة بآثار ممارسته المهنية على البيئة وطرق تنمية البيئة وصيانتها
2.2. A- Application of basic and other relevant science to solve Public health and community medicine related problems.	2-2-أ- تحليل و تقييم المعلومات في مجال التخصص و القياس عليها و الاستنباط 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 clinical practice.	2-2-هـ- تقييم المخاطر في الممارسات المهنية
2.2.F- Planning for performance improvement in Public health and community medicine	2-2-ف- تخطيط 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 على البراهين والأدلة
2.2.I- Discussion making in different situations related to Public health and community medicine.	2-2-ي- اتخاذ القرارات المهنية في سياقات مهنية مختلفة
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 Public health and community medicine.	3-2-أ- إتقان المهارات المهنية الأساسية والحديثة في مجال التخصص



2.3. B- Master patient care skills relevant to Public health and community medicine or patients with all diagnoses and procedures.	
2.3. C- Write and evaluate reports for situations related to the field of Public health and community medicine.	2-3-ب- كتابة و تقييم التقارير المهنية.
2.4.A- Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management	2-3-ج- تقييم و تطوير الطرق و الأدوات القائمة في مجال التخصص
2.4. B- Use competently all information sources and technology to improve his practice.	د- استخدام الوسائل التكنولوجية بمايخدم الممارسة المهنية
2.4.A- Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management 2.4. G- Participate in improvement of the education system.	3-هـ- التخطيط لتطوير الممارسة المهنية وتنمية أداء الآخرين



*Comparison between ARS and ILOS for master degree  
in Public Health*

(ARS)	(ILOS)
<p><b><u>2-1- Knowledge and understanding</u></b></p> <p><b>2-1-A-</b> Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.</p>	<p><b><u>2-1- Knowledge and understanding</u></b></p> <p><b>2-1-A-</b> Explain the essential facts and principles of relevant basic sciences including, , Public Health.</p> <p><b>2-1-B-</b> Mention <u>essential facts</u> of clinically supportive sciences including Basics of Public Health</p> <p><b>2-1-C-</b> Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to Public Health.</p>
<p><b>2-1-B</b> The relation between good clinical care of common health problem in the Public Health and the welfare of society.</p>	<p><b>2-1-H-</b> State the impact of common health problems in the field of Public Health on the society and how good clinical practice improve these problems.</p>
<p><b>2-1-C-</b> Up to date and recent developments in common problems related to the field of Public Health</p>	<p><b>2-1-C-</b> Demonstrate sufficient knowledge of etiology, clinical picture, diagnosis, prevention and treatment of the common diseases and situations related to Public Health</p> <p><b>2-1-D-</b> Give the recent and update developments in the pathogenesis, diagnosis, prevention and treatment of common diseases related to Public Health</p>
<p><b>2-1-D-</b> Ethical and medicolegal Principles relevant to practice in the Public Health field.</p>	<p><b>2-1-E-</b> Mention the basic ethical and medicolegal principles that should be applied in practice and are relevant to the field of Public Health.</p>



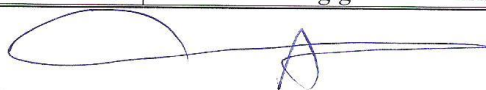
2-1-E-Quality assurance principles related to the good medical practice in the Public Health field.	2-1-F- Mention the basics and standards of quality assurance to ensure good clinical practice in the field Public Health.
2-1-F- Ethical and scientific basics of medical research.	2-1-G- Mention the ethical and scientific principles of medical research methodology.
<b><u>2-2- Intellectual skills:</u></b> 2-2-A-Correlation of different relevant sciences in the problem solving and management of common diseases of the Public Health	<b><u>2-2- Intellectual skills:</u></b> 2-2-A- Correlate the facts of relevant basic and clinically supportive sciences with clinical reasoning, diagnosis and management of common diseases of the Public Health.
2-2-B-Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to Public Health	2-2-B- Demonstrate an investigatory and analytic thinking approach (problem solving) to common clinical situations related to Public Health.
2-2-C- Demonstrating systematic approach in studding clinical problems relevant to the Public Health field.	2-2-C- Design and /or present a case or review (through seminars/journal clubs.) in one or more of common clinical problems relevant to the Public Health field.
2-2-D Making alternative decisions in different situations in the field of the Public Health .	2-2-D- Formulate management plans and alternative decisions in different situations in the field of the Public Health
<b>2-3- Clinical skills:</b> 2-3-A- Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.  2-3-B- Demonstrate patient care skills relevant to that Public Health for patients with	<b>2/3/1/Practical skills (Patient Care :)</b> 2-3-1-A- Obtain proper history and examine patients in caring and respectful behaviors. 2-3-1-B- Make informed decisions about diagnostic and therapeutic interventions based on patient information and preferences, up-to- date scientific evidence, and clinical judgment for common conditions related to Public Health.



<p>common diseases and problems.</p>	<p>2-3-1-C- Carry out patient management plans for common conditions related to Public Health</p> <p>2-3-1-D- Use information technology to support patient care decisions and patient education in common clinical situations related to Public Health</p> <p>2-3-1-E- Perform competently non invasive and invasive procedures considered essential for the Public Health</p> <p>2-3-1-F- Provide health care services aimed at preventing health problems related to Public Health.</p> <p>2-3-1-G- Provide patient-focused care in common conditions related to Public Health while working with health care professionals, including those from other disciplines.</p>
<p>2-3-C- Write and evaluate reports for situations related to the field of Public Health</p>	<p>-3-1-H Write competently all forms of patient charts and sheets including reports evaluating these charts and sheets. (Write a consultation note, Inform patients of a diagnosis and therapeutic plan, completing and maintaining medical records).</p>
<p>2-4- General skills</p> <p>2-4-A- Demonstrate practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management</p>	<p>2/3/2 General skills</p> <p>2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).</p> <p>2-3-2-B- Appraises evidence from scientific studies.</p> <p>2-3-2-C- Conduct epidemiological studies and surveys.</p>
<p>2-4-B- Use all information sources and technology to improve his practice.</p>	<p>2-3-2-C- Conduct epidemiological studies and surveys.</p> <p>2-3-2-D. Perform data management including data entry and analysis and using information technology to manage information, access</p>



	on-line medical information; and support their own education.
2-4-C- Demonstrate skills of teaching and evaluating others.	2-3-2-E- Facilitate learning of students other health care professionals including their evaluation and assessment.
2-4-D- Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.	2-3-2-F- Maintain therapeutic and ethically sound relationship with patients. 2-3-2-G- Elicit information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-H- Provide information using effective nonverbal, explanatory, questioning, and writing skills. 2-3-2-I- Work effectively with others as a member of a health care team or other professional group.
2-4-E- Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.	2-3-2-J- Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society. 2-3-2-K- Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.
	2-3-2-L- Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.
2-4-F- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.	2-3-2-M- Work effectively in relevant health care delivery settings and systems including good administrative and time management 2-3-2-N- Practice cost-effective health care and resource allocation that does not compromise quality of care. 2-3-2-O- Assist patients in dealing with system complexities.
2-4-G- Demonstrate skills of effective time management	2-3-2-M- Work effectively in relevant health care delivery settings and systems including good administrative and time



	management
2-4-H- Demonstrate skills of self and continuous learning.	2-3-2-A- Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).

