إعتماد توصيف مقررات برنامج الدبلوم فى الصحة العامة وطب المجتمع

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمى لدرجة الدبلوم فى الصحة العامة وطب المجتمع والمقررات الدراسية المكونة له قد تم وضعها بمعرفة الأقسام

م	اسم المقرر	اسم منسق المقرر	التوقيع	اسم رئيس القسم	التوقيع
١.	البيئة و علاقتها بالصحة	د./ أحمد فتحي حامد		د./ ايمان عبد الباسط محمد	
٢.	أسس التغذية و التقييم الغذائي	د./ أحمد فتحي حامد		د./ ايمان عبد الباسط محمد	
٣.	الميكروبيولوجيا	د./ عبير شنيف محمد		أ.د./ أحمد حسن عبد العزيز	
٤.	الطفيليات و علاقتها بالصحة	د./ ندي عبد الفتاح النادي		أ.د./ ماجده محمد عطية الناظر	
٥.	العلوم السلوكية و الاجتماعية و علاقتها بالصحة	د./ أحمد فتحي حامد		د./ ايمان عبد الباسط محمد	
٦.	الاحصاء الطبى	د./ أحمد فتحي حامد		د./ ايمان عبد الباسط محمد	
٧.	فروع الصحة العامة و الطب الوقائى والاجتماعي	د./ أحمد فتحي حامد		د./ ايمان عبد الباسط محمد	

وكيل الكلية للدراسات العليا

عميد الكلية

Peer Revision

Reviewers	University	Date of Revision
- Prof. Dawlat Salem	Cairo	١٠/١٢/٢٠١١
- Prof. Ahmad K. Mansur	Mansura	٢٨/١١/٢٠١١

PROGRAMME SPECIFICATION FOR DIPLOMA DEGREE OF COMMUNITY MEDICINE AND PUBLIC HEALTH

Sohag University **Faculty of Medicine**

A. Basic Information

١. Program title: Diploma Degree of Community Medicine and Public Health

٢. Program type: single.

٣. faculty: Faculty of Medicine

٤. Department: Community Medicine and Public Health Department.

٥. Coordinator: Assistant lecturer: Dr Fouad Metry Attia.

٦. Assistant coordinator: Demonistrator: Nesreen Ali Mohammed.

٧. External evaluator: Lecturer: Prof Dr Hala Mostafa El-Hady

٨. Last date of program specifications approval: Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣.

B. Professional Information

١. Program aims

١- Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢- Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣- Ethical Principles related to the Practice in this specialty
٤- Active participation in community needs management and problems solving.
٥- Maintenance of abilities for continuous medical education.

٢. Attributes of the post graduate:

١. Application of the specific knowledge gained during practice of Community Medicine.

٢. Identification of professional problems in this specialty and suggest solutions for them.

٣. Mastering professional skills and usage of suitable technologies in practice of Community Medicine.

٤. Ability to efficiently communicate and lead team works throughout organized professional work.

٥. Decision making at the lights of the available information.

٦. Perfect utilization of available resources.

٧. Awareness of his role in com`munity development and maintain good environment.

٨. Reflects the commitment to act with integrity, credibility and professional norms and accountability.

٩. Recognize the need to develop himself and to engage in continuous learning.

٣. Intended learning outcomes (ILOs)

a) Knowledge and understanding

By the end of the program the student is expected to:

a١. Mention concepts of health and disease and their spectrum of health.
a٢. Explain the three interacting ecological factors—agent, host, and environment—affecting the occurrence of disease
a٣. Describe the determinants of health on the individual, the family, and the community levels
a٤. List essential public health functions
a٥. Define patterns of care as preventive and curative, and describe the levels of preventive care
a٦. Explain Egypt's population pyramid and define the information obtained from the pyramid
a٧. Enumerate the different profiles of the population pyramids and their interpretations
a٨. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests
a٩. Describe the study design, uses of different types.
a١٠. Define basic components of clinical epidemiology and its basic components.
a١١. Describe the public health surveillance system and its use in the community setting
a١٢. Explain different methods for prevention and control and Define methods of prevention and control for each of these diseases
a١٣. Describe the infectious cycle and Identify the infectious cycle for each of the selected diseases
a١٤. Describe principles of rodent and insect control in the community and hazards of rodent and insect.
a١٥. List risk factors relevant to selected non-communicable diseases
a١٦. Describe the health needs for vulnerable group children and women in child bearing period and health needs for elderly and rural areas residents.
a١٧. Describe the principle of school health.
a١٨. Describe the principle of occupational health.
a١٩. Describe the principle of health administration.
a٢٠. Identify nutritional requirements
a٢١. Describe the source of important nutrients
a٢٢. Enumerate Methods of prevention of malnutrition
a٢٣. Define life expectancy.
a٢٤. Define different types of health problems resulting from malnutrition.
a٢٥. Define basic methods of nutritional assessment.
a٢٦. Define the sources of data and methods of collection for vital statistics and other demographic statistics.
a٢٧. Describe sampling techniques and list at least three advantages of sampling.
a٢٨. Summarize data, construct tables and graphs.
a٢٩. Calculate measures of central tendency and measures of dispersion.
a٣٠. Interpret selected tests of significance and the inferences obtained from such tests
a٣١. Describe the normal curves and its uses.
a٣٢. Identify some of the medically important parasitic, bacterial, viral infectious disease diseases that cause public health problems.
a٣٣. Identify the nature, health effects, and sources of environmental risks.
a٣٤. Describe principles of waste management in the community and in health care settings.
a٣٥. List environmental risk factors relevant to selected non-communicable diseases.
a٣٦. Identify behavioral and social variables impacting health and disease.
a٣٧. Identify the nature, health effects, and sources of behavioral risks on the individuals.
a٣٨. Identify prevalent behavioral aspects correlated with health problems in a community, using various epidemiological strategies.
a٣٩. List the principles and fundamentals of ethics and legal aspects of professional practice in the field of public health and community medicine.

a٤٠. Enumerate the principles and fundamentals of quality assurance of professional practice in the field of public health and community medicine.
a٤١. Define the effect of professional practice on the environment and the methods of environmental development and maintenance.

b) Intellectual skills

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

b١. Identify and analyze the information in the field of public health and community medicine and rank them according to their priorities.
b٢. Solve problems in the area of public health and community medicine.
b٣. Analyze researches and issues related to public health and community medicine.
b٤. Assess risk in professional practices in the field of public health and community medicine.
b٥. Make professional decisions in light of the available data.
b٦. Gain selected skills related to microbiology and Parasitology

c) Professional and practical skills

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

c١. Apply professional skills in the field of public health and community medicine.
c٢. Write medical reports.
c٣. Use appropriate technology in the field of public health and community medicine.
c٤. Acquire some practical skills in the area of microbiology and Parasitology to help in diagnosis and control of prevalent community health problems.

d) General and transferable skills

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

d١. Use the different types of effective communication.
d٢. Use of information technology to serve the development of professional practice.
d٣. Assess and Identify personal learning needs.
d٤. Use of different sources to obtain information and knowledge.
d٥. Work in a team.
d٦. lead a team in familiar professional contexts.
d٧. Manage time efficiently.
d٨. learn him self continuously

٤. Academic standards

Sohag faculty of medicine adopted the general National Academic Reference Standards (NARS) provided by the national authority for quality assurance and accreditation of education (naqaae) for postgraduate programs. This was approved by the Faculty Council decree N٠,٦٨٥٤, in its cession N٠,١٧٧ Dated: ١٨/٥/٢٠٠٩. Based on these NARS; Academic Reference Standards (ARS) were suggested for this program. These ARS were approved by Faculty Council decree N٠,٧٥٢٨, in its cession N٠,١٩١, dated: ١٥/٣/٢٠١٠. The adoption of NARS and the suggested ARS were approved by University council degree No ٥٨٧, in its cession No.٦٠. Dated ٢٦-١٢-٢٠١١

٥. Curriculum structure and contents:

٥.a- Program duration: ٣ semesters (١,٥).

٥.b- Program structure:

٥.b.١-No. of hours per week

Subject	hours /week		
	Lecture	Practical	Clinical
١) First Part:			

Minors : Basics of Medical biostatistics and research methodology	٢	٢	-----
Environmental health and its relation to public health module	٢	٢	------
Nutrition and nutritional assessment module	٢	٢	------
Microbiology and its relation to public health	١	------	------
Parasitology and its relation to public health	١	------	-----
Behavioral science and its relation to public health	١	٢	------
٢) Second part			
Methodology and medical statistics	١	١	-----
Demography	١	١	-----
Epidemiology	١,٥	١	
Health problem related to nutritional deficiency and method of prevention	١	١	------
Health administration	١	١	------
Study of Health problems	١,٥	١	
Special health care services e.g. Maternal and Child Health, school health, rural health,	١	١	----
Advanced course in specialty	١,٥	١	

code	Item		No	%
b.i	Total credit hours	Compulsory	٤٠	١٠٠
		Elective	٠	٠
		Optional	٠	٠
b.iii	credit hours of basic sciences courses		٢	٥
b.iv	credit hours of courses of social sciences and humanities		٠	٠
b.v	credit hours of specialized courses:		٢٧	٦٧,٥
b.vi	credit hours of other course		١١	٢٧,٥
b.viii	Program Levels (in credit-hours system): Level ١: ١st part Level ٢: ٢nd Part		 ١٣ ٢٧	 ٣٢,٥ ٦٧,٥

٦. Program courses: ١٢ courses are compulsory

٦.١-level/year of program ١st part semester ١

a- compulsory

Course title	Total No. of hours	No. of hours/week			Program ILOS covered
		Lect.	Lab.	Exerc.	
Basics of Medical biostatistics and research methodology	٣	٢		٢	a٨,a٩,a٢٧,a٢٨,a٢٩,a٣١ b١,c٣,d٢
Environmental health and its relation to public health module	٣	٢		٢	a١٤,a٣٣,a٣٤,a٣٥,a٤١,b٢,c٢.c٣,d ٤
Nutrition and nutritional assessment module	٣	٢		٢	a٢٠,a٢١,a٢٥,b٢,,c٢,c٣,d٤

Microbiology and its relation to public health	١	١			a٢,a٣٢,b٦,c٢,c٤,d١,d٤
Parasitology and its relation to public health	١	١			a٢,b٦,c٤,d٢
Behavioral science and its relation to public health	٢	١		٢	a٣٦,a٣٧,a٣٨,b٢,c١,d١,d٣
Biostatistics	٢	١	١		a١٥, a١٦, b٣, c١, d٣
٢nd part					
Methodology and medical statistics module	٣	١		١	a٨,a٩,a٣٠,b٣,c١,d٤
Demography module	٣	١		١	a٦,a٧,a٢٣,a٢٦,b١,b٢,b٣,c٣,d٤
Epidemiology module	٤	١,٥		١	a٢, ,a٤,a٥,a١٠,a١١,a١٢,a١٣, a١٥,b١,b٢,b٣,c١,c٢,c٣,d٢,d٤
Health problem related to nutritional deficiency and method of prevention module	٣	١		١	a٢٠,a٢٢,a٢٤,b١,b٣,c١,d٣,d٨
Health administration module	٣	١		١	a١٩,a٣٩,a٤٠,b٤,b٥,c٣,d٣,d٥,d٦,d٧
Study of Health problems module	٤	١,٥		١	a١, a١٢ , b١,b٣, c٢, c٣, d٢,d٤
Special health care services e.g. Maternal and Child Health, school health, rural health module	٣	١		١	a٣ , ,a١٦,a١٧,a١٨,b١,b٢,b٣,c١, d٢,d٤
Advanced course in specialty module	٤	١,٥		١	a٥, a١٠,a١١,a١٢, a١٥, b١,b٢,b٣, c١, c٢, d٢,d٤,d٨

٧. Program admission requirements

١. General requirements:

- Candidates should have either:
  A. MBBCh Degree from any Egyptian Faculty of Medicine or
  B. B-Equivalent Degree from Medical Schools abroad approved by Ministry of Higher Education.
- Candidates should complete the house office training year.
- Follow postgraduate regulatory rules of Sohag Faculty of medicine.

٨. Regulations for progression and program completion

Duration of program is ٣ semesters (١,٥ years), starting from registration till the ٢nd part exam; divided to:

First Part: (≥٦ months=١ semester):

- Program-related basic sciences and some public health courses.
- At least six months after registration should pass before the student can ask for examination in the ١st part.
- Two sets of exams: ١st in April — ٢nd in October.
- For the student to pass the first part exam, a score of at least ٦٠٪ in each curriculum is needed (with at least ٤٠٪ of the written exam).
- Those who fail in one curriculum need to re-exam it only.

Second Part: (≥١٢ months=٢ semesters):

- Program related specialized science of Public Health and community Health Courses.

- After passing Actual work for ١٢ months as a trainee in the departments of public health and community medicine.
- The student should pass the ١st part before asking for examination in the ٢nd part.
- Fulfillment of the requirements in each course as described in the template and registered in the log book is a prerequisite for candidates to be assessed and undertake part ١ and part ٢ examinations; as following:

Activity		Hrs
Grand rounds	**اجتماع علمى موسع**	٦
Training courses	**دورات تدريبية**	**١٢/ day**
Conference attendance	**حضور مؤتمرات علمية** **داخلى** **خارجة**	 **١٢/day** **١٨/day**
Thesis discussion	**حضور مناقشات رسائل**	٦
Workshops	**حضور ورش عمل**	**١٢/day**
Journal club	**ندوة الدوريات الحديثة**	٦
Seminars	**لقاء علمى موسع**	٦
Morbidity and Mortality conference	**ندوة تحليل المخاطر المرضية أوالوفاة**	٦
Self education program	**برنامج التعليم الذاتى**	٦

- Two sets of exams: ١st in April— ٢nd in October.
- For the student to pass the second part exam, a score of at least ٦٠٪ in each curriculum is needed (with at least ٤٠٪ of the written exam).

٩. Methods of student assessments

Method of assessment	The assessed ILOs
١-Research assignment	- General transferable skills, intellectual skills
٢-Written Exams: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills
٣-OSPE	-Practical skills, intellectual skills General transferable skills
٤-Structured Oral Exams	- Practical skills, intellectual skills - Knowledge General transferable skills

١٠. Evaluation of program:

Evaluator	Tool	Sample
١- Senior students	Questionnaire	٠
٢- Alumni	Questionnaire	٠
٣- Stakeholders (Employers)	Questionnaire	٣٠
٤-External Evaluator(s) (External Examiner(s))	Report	١
٥- Other		

Course Specifications of Environmental Health and its Relation to Public health in diploma degree in public health and community medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine

٢. Major or Minor element of programs: Minor

٣. Department offering the program: public health and community medicine

٤. Department offering the course: public health and community medicine

٥. Academic year / Level: ١st part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Code: COM-٠٥٠٦-١٠٠

Total hours:

Program title: Environmental health and its Relation to public health.

Modules	Lecture	Practical	Total	Credit hours
Environmental health and its relation to public health module	٣٠	٣٠	٦٠	٣

B. Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Describe principles of rodent and insect control in the community and hazards of rodent and insect on the environment.
a٢. Identify the nature, health effects, and sources of environmental risks.
a٣. Describe principles of waste management in the community and in health care settings.
a٤. List environmental risk factors relevant to selected non-communicable diseases.
a٥. Describe the effect of professional practice on the environment and the methods of environmental development and maintenance.
a٦. Define basic methods of nutritional assessment.

b) Intellectual Skills

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

b١. Identify basic methods of solving environmental problems.

c) Professional and Practical Skills:

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

c١. Write reports to describe environmental problems.
c٢. Use appropriate technology in detection, control and prevention of environmental problems.

d) General and Transferable Skills:

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

d١. Use of different sources to obtain information and knowledge about environmental problems and methods of solving.

٣. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Environment: - Terminology		١	Community convoys with the department & Computer search assignments
- Elements of environmental sanitation - Town planning		٢	
- Housing; urban and rural		٢	
Water sanitation		٢	
Sewage disposal		٢	
Refuse disposal (including dangerous ones)		٢	
Air pollution		٢	
Earth pollutants		٢	
Climatic changes		٢	
Pollution caused by Radiation		٢	
Food sanitation		٢	
Rodent and insect control		٢	
Sterilization and disinfection		٤	
Environmental risk factors of non- communicable diseases		٣	
Total	٦٠	٣٠	٣٠
Credit hours	٣	٢	١

٤. Teaching and Learning Methods

٤,١- Lectures
٤,٢- Computer search assignments
٤,٣- Field training (Community convoys)

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills
٥,٤-OSPE	-Practical skills, intellectual skills

Assessment Schedule

Assessment ١…….. Final written exam….. week: ٢٤
Assessment ٢…….. Final Structured Oral Exam …..week: ٢٤
Assessment٣…… Final OSPE……. week ٢٤
Assessment ٤……Attendance and absenteeism throughout the course
Assessment ٥ …… Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	٥٠ %
Structured Oral Exam	٣٠ %
OSPE	٢٠ %
Total	١٠٠ %

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

٦. List of References

٦,١- Essential Books (Text Books)

١-Maxy-Rosenau Public health and preventive medicine, ٢٠٠٧.,Robert Wallace, publisher McGraw-Hill Medical; ١٥ edition.

٦,٢- Recommended Books

١- Dimensions of Community Health, ١٩٩٧. Dean F. Miller, James H. Price, publisher Brownell & Carroll; ٥th edition.

٢- Short Textbook of preventive and social Medicine. ٢٠١٠., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; ٢ edition.

٣- Epidemiology in Medical Practice, ١٩٩٧, D. J. P. Barker, Cyrus Cooper MA , G. Rose MA, publisher Churchill Livingstone; ٥ edition.

٦,٣- Periodicals, Web Sites, …etc

١-American Journal of Epidemiology
٢-British Journal of Epidemiology and Community Health
٣- WWW. CDC and WHO sites

٧. 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.
٣. Transport and full board facilities for students during the community campaigns

Course Coordinator: Dr. Ahmed Fathy Hamed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Basics of nutrition and nutritional assessment in diploma degree in public health and community medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine

٢. Major or Minor element of programs: Minor

٣. Department offering the program: public health and community medicine

٤. Department offering the course: public health and community medicine

٥. Academic year / Level: ١st part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Code: COM-٠٥٠٦-١٠٠

Total hours:

Program title: Basics of nutrition and nutritional assessment.

Modules	Lecture	Practical	Total	Credit hours
Basics of nutrition and nutritional assessment module	٣٠	٣٠	٦٠	٣

B. Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Identify nutritional requirements.
a٢. Describe the sources of important nutrients.
a٣. List different types of health problems resulting from malnutrition.
a٤. Describe basic methods of nutritional assessment.

b) Intellectual Skills

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

b١. Identify basic methods of solving and preventing nutritional problems in the community

c) Professional and Practical Skills:

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

c١. Write medical reports after assessment of nutritional status.
c٢. Use appropriate technology in diagnosis of prevalent nutritional problems.

d) General and Transferable Skills:

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

d١. Use of different sources to obtain information and knowledge about basics of nutrition.

٣. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Nutrition - Nutritional requirements	٤	٢	٢
important nutrients	٤	٢	٢
source of important nutrients	٤	٢	٢
basics of malnutrition and diseases of nutrients deficiency	١٠	٥	٥
basics of methods of nutritional assessment	١٠	٥	٥
basics of food preservation	٨	٤	٤
food poisoning	١٠	٥	٥
basics of food handling	١٠	٥	٥
Total	**٦٠**	**٣٠**	**٣٠**
Credit	**٣**	**٢**	**١**

٤. Teaching and Learning Methods

٤,١- Lectures

٤,٢- Computer search assignments

٤,٣- Field training (Community convoys)

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills
٥,٤-OSPE	-Practical skills, intellectual skills

Assessment Schedule

Assessment ١…….. Final written exam….. week: ٢٤

Assessment ٢…….. Final Structured Oral Exam …..week: ٢٤

Assessment٣…… Final OSPE……. week ٢٤

Assessment ٤……Attendance and absenteeism throughout the course

Assessment ٥ …… Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	٥٠ %
Structured Oral Exam	٣٠ %
OSPE	٢٠ %
Total	١٠٠ %

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

٦. List of References

٦,١- Essential Books (Text Books)

١-Maxy-Rosenau Public health and preventive medicine, ٢٠٠٧.,Robert Wallace, publisher McGraw-Hill Medical; ١٥ edition.

٦,٢- Recommended Books

١- Dimensions of Community Health, ١٩٩٧. Dean F. Miller, James H. Price, publisher Brownell & Carroll; ٥th edition.

٢- Short Textbook of preventive and social Medicine. ٢٠١٠., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; ٢ edition.

٣- Epidemiology in Medical Practice, ١٩٩٧, D. J. P. Barker, Cyrus Cooper MA , G. Rose MA, publisher Churchill Livingstone; ٥ edition.

٦,٣- Periodicals, Web Sites, …etc

١-American Journal of Epidemiology
٢-British Journal of Epidemiology and Community Health
٣- WWW. CDC and WHO sites

٧. Facilities Required for Teaching and Learning:

٤. ADEQUATE INFRASTRUCTURE: including teaching places (teaching class, teaching halls, teaching laboratory), comfortable desks, good source of aeration, bathrooms, good illumination, and safety & security tools.
٥. 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.
٦. Transport and full board facilities for students during the community campaigns

Course Coordinator: Dr. Ahmed Fathy Hamed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Microbiology and its relation to public health in diploma degree in Public health and community medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine.

٢. Major or Minor element of programs: Minor.

٣. Department offering the program: public health and community medicine

٤. Department offering the course: Microbiology and Immunology

٥. Academic year / Level; ١st part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Program title: Microbiology and its relation to public health.

Code: MIC-٠٥٠٥-١٠٠

Total hours:

Module	Practical	Lecture	Total	Credit hours
Microbiology	----	١٥	١٥	١

B. Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.

٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.

٣. Active participation in community needs management and problems solving.

٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Describe the metabolism and genetics of organisms.

a٢. Identify some of the medically important bacterial, viral infectious disease diseases that cause public health problem.

a٣. List the microorganisms affecting human beings all over the world and particularly in Egypt.

a٤. Describe the pathology, clinical symptoms and complications of each disease.

a٥. Summarize the laboratory tests needed for diagnosis of each case.

a٦. Name the drugs and instructions used for treatment of each case.

a٧. Describe the structure and function of immune system.

b) Intellectual Skills

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

b١. Differentiate between the different microorganisms (Bacteria, viruses and fungi)

b٢. Differentiate between the different types of disease causing microbes. b.٣. - Determine the antibiotic regimen based on previous microbiological experience and laboratory tests

c) Professional and Practical Skills:

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

c١. Interpret a report containing microbiological or immunological data.
c٢. Recognize micro-organisms on morphological bases.
c٣. Identify the methods of staining, culturing and biochemical reactions.
c٤. Recognize some serological tests used in diagnosis.
c٥. Recognize methods of handling of samples..

d) General and Transferable Skills:

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

d١. Use the different types of effective communication.
d٢. Use the computer and internet to gather scientific information.

٣. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Lectures **General Bacteriology** Bacterial anatomy, Genetics & Physiology	١	١	
Recombinant DNA technology	٠,٥	٠,٥	
Antibiotics	٠,٥	٠,٥	
Sterilization & Disinfection	٠,٥	٠,٥	
Systematic Bacteriology Gram +ve cocci, Gram –ve cocci	٠,٥	٠,٥	
Gram +ve bacilli, Gram –ve bacilli	٠,٥	٠,٥	
General virology	٠,٥	٠,٥	
Systematic Virology RNA viruses, DNA viruses	٠,٥	٠,٥	
Mycology Fungal classifications, Opportunistic mycosis& Antifungal drugs	٠,٥	٠,٥	
Immunology Congenital & Acquired Immunity	٠,٥	٠,٥	
Immunological Cells, Hypersensitivity	٠,٥	٠,٥	
Transplantation, Tumor Immunology	٠,٥	٠,٥	
Immunodeficiency	٠,٥	٠,٥	
Applied Microbiology	٠,٥	٠,٥	
Bacterial Cultures	٠,٥	٠,٥	
Bacterial Isolation & Identification	٠,٥	٠,٥	

Diagnostic Molecular Biology Methods	٠,٥	٠,٥	
Antibiotic Sensitivity Tests	٠,٥	٠,٥	
Immunology(Antigen Antibody Reactions) ١	٠,٥	٠,٥	
Immunology(Antigen Antibody Reactions) ٢	٠,٥	٠,٥	
Staphylococci	٠,٥	٠,٥	
Streptococci & Pneumococci	٠,٥	٠,٥	
Neisseria	٠,٥	٠,٥	
Corynebacterium	٠,٥	٠,٥	
Mycobacterium	٠,٥	٠,٥	
Enterobacteria	٠,٥	٠,٥	
Pseudomonas & Yersinia	٠,٥	٠,٥	
Bacillus	٠,٥	٠,٥	
Clostridium	٠,٥	٠,٥	
Vibrios & Brucella	٠,٥	٠,٥	
Spirochaetes & Mycology	٠,٥	٠,٥	
Total	**١٥**	**١٥**	
Credit hours	١	١	**---**

٤. Teaching and Learning Methods

٤,١- Lectures
٤,٢- Practical sessions
٤,٢- Computer search assignments

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills

Assessment Schedule

Assessment ١……..Final written exam…….week: ٢٤
Assessment ٢……..Final Structured Oral Exam …..week: ٢٤

Weighting of Assessments

Final written examination	٥٠ %
Final Structured Oral Exam	٥٠ %
Total	١٠٠ %

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

٦. List of References

٦،١- Essential Books (Text Books)
Jawetz, Melnick, &Adelberg's Medical Microbiology, ٢٠١٠.Geo. Brooks , Karen C. Carroll , Janet Butel , Stephen Morse , Timothy Mietzner., Publisher: McGraw-Hill Medical; ٢٥ edition.

Roitt's Essential Immunology, ٢٠١١.,Peter J. Delves, Seamus J. Martin , Dennis R. Burton , Ivan M. Roitt., Publisher: Wiley-Blackwell; ١٢ edition.

Molecular Biology of the Cell, ٢٠٠٧.,Bruce Alberts , Alexander Johnson , Julian Lewis, Martin Raff , Keith Roberts ,Peter Walter., Publisher: Garland Science; ٥ edition.

٦،٢- Recommended Books
A coloured Atlas of Microbiology.
Topley and Wilson's Microbiology and Microbial Infections, ١٩٩٨.,William J. Hausler., Publisher: Hodder Education Publishers; ٩ edition.

٦،٣- Periodicals, Web Sites, etc
http://mic.sgmjournals.org/

٧. 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/**Mamdooh M. Essmat**

Head of Department: Dr/ Abeer Sheneaf Mohamed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Medical Parasitology and its Relation to Public Health in diploma degree in Public Health and Community Medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine.

٢. Major or Minor element of programs: Minor.

٣. Department offering the program: public health and community medicine

٤. Department offering the course: Medical Parasitology

٥. Academic year / Level; ١st part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Program title: Microbiology and its relation to public health.
Code: PAR-٠٥٠٦-١٠٠
Total hours:

Module	Practical	Lecture	Total	Credit hours
Medical Parasitology	----	١٥	١٥	١

B. Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Enumerate the parasites affecting human beings all over the world (with its geographical distribution) and particularly in Sohag and Egypt.
a٢. have the understanding the life cycle of each, inside and outside the body.
a٣. Describe Morphological bases of different parasites .
a٤. Enumerate the clinical symptoms and complications of each parasite.
a٥. Mention the recommended laboratory tests needed for diagnosis of each case.
a٦. Describe control methods used against parasites.

b) Intellectual Skills

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

b١. Collect information about parasites causing epidemics and modes of infection specialty parasites endemic in Egypt and Arab countries.
b٢. Identify and differentiate between parasites sharing common symptoms and causing health problems in the community.

b٣. Differentiate between parasites inhabiting the same geographical location.
b٤. Differentiate between parasites sharing common symptoms.

c) Professional and Practical Skills:

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

c١. Identify the infective and the diagnostic stages of the parasites.
c٢. Identify some of the medically important intermediate host especially those present in Egypt.

d) General and Transferable Skills:

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

d١. Use the computer to enter parasitological web sites.
d٢. Can collect scientific data from the computer as reviews, photos, and videos.
d٣. Collect data from medical canters in the locality to recognize the local parasitic dangers.

٣. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
Fasciola+ H. heterophyes + Schistosoma + Snails	١	١	------
Cestoda+ D. latum+ Taenia Echinococcus+ Hymenolepis+ Dipylidium	١	١	
Nematoda+ Eterobius+ T. trichura+ Capillaria+ T. spiralis+ Ascaris	٢	٢	
Hook worms+ S.stercoralis+ Larva migrans+D. medenensis+ Filarial; worms	٢	٢	
Dieptera+ Mosquitoes +Phlebotomas+ Myiasis & M. producing flies	٢	٢	
Siphonaptera+ Hemiptera+ Anoplura	١	١	
ticks+Mites+ Pentastomida+ Cyclops	١	١	
Introduction+ Amoebidae	١	١	
Luminal flagellates + Haemoflagellates	١	١	
Apicomplexa (Malaria + Babesia)	١	١	
Apicomplexa (Toxoplasma+ others)+ Ciliata+ Microsporidia	١	١	
Laboratory tests+ Immunology	١	١	
Total	**١٥**	**١٥**	
Credit hours	١	١	

٤. Teaching and Learning Methods

٤,١- Lectures
٤,٢- Practical sessions
٤,٢- Computer search assignments

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills
٥,٤-OSPE	-Practical skills, intellectual skills

Assessment Schedule

Assessment ١……..Final written exam….. week: ٢٤
Assessment ٢……..Final Structured Oral Exam ….. week: ٢٤
Assessment ٣…….. OSPE ….. week: ٢٤

Weighting of Assessments

Final written examination	٥٠ %
Final Structured Oral Exam	٣٠ %
OSPE	٢٠ %
Total	١٠٠ %

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

٦. List of References

٦,١- Essential Books (Text Books)

Medical Parasitology, ٢٠٠٢.,Ruth Leventhal , Russell F. Cheadle., Publisher: F.A. Davis Company; ٥ edition.

Essentials of Parasitology, ١٩٩٢., Gerald D. Schmidt., Publisher: William C Brown Pub; ٥th edition.

Worms and human diseases. ٢٠٠٢., R. Muller., Publisher: CABI; Second edition.

Basic Clinical Parasitology, ١٩٩٦.,Franklin A. Neva , Harold W. Brown , Publisher: Appleton & Lange; ٦ edition.

Foundations of Parasitology. ٢٠٠٨., Larry Roberts ,John Janovy Jr.Publisher: McGraw-Hill; ٨th edition.

٦,٢- Recommended Books

A coloured Atlas of tropical Medicine and Parasitology.

٦,٣- Periodicals, Web Sites:

Parasitology Research Division of Biology, Kansas State University
mri.sari.ac.uk/parasitology.asp
British Society of Parasitology
Parasitic Diseases: http://www.mic.ki.se/Diseases/c٣.html
Parasite Images: http://www.med.cmu.ac.th/dept/parasite/image.htm
Atlas of Medical Parasitology: http://www.cdfound.to.it/HTML/atlas.htm

٧. 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, colour and laser printers.

Head of Department: Prof/ Nada Abel-Elfatah Elnadi

Course Coordinator: Prof/Eman Khalaf Mohamed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Behavioral science and its relation to public health in diploma degree in public health and community medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine

٢. Major or Minor element of programs: Minor

٣. Department offering the program: public health and community medicine

٤. Department offering the course: public health and community medicine

٥. Academic year / Level; ١st part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Program title: Behavioral science and its relation to public health.

Code: COM-٠٥٠٦-١٠٠

Total hours:

Lecture	Practical	Total	Credit hours
١٥	٣٠	٦٠	٢

B. Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs assessment and problems identification.
٤. Maintenance of learning abilities necessary for continuous medical education.

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Identify behavioral and social variables impacting health and disease.
a٢. Identify methods for monitoring the quality of healthful behavior.
a٣. Identify the nature, health effects, and sources of behavioral risks on the individuals.
a٤. Identify prevalent behavioral aspects correlated with health problems in a community, using various epidemiological strategies.

b) Intellectual Skills

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

b١. Conduct health behavior theories to different community health problems.
b٢. Conduct behavioral prevention and control measures to identified priority communicable and non-communicable diseases.

c) Professional and Practical Skills:

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

c١. Perform community diagnosis for health problems and behavioral aspects related to these problems in the locality.

c٢. Diagnose the behavioral aspects of an epidemic of infectious or non infectious diseases among the community.

d) General and Transferable Skills:

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

d١. Communicate effectively by all types of effective communication.

d٢. Assess himself and identify personal learning needs.

d٣. Work in a team, and learn How to communicate with others in the team.

٣. Contents

Topic	No. of hours	Lecture	Tutorial/ Practical
behavior: - Terminology and interpretations	١	١	-
- Impact of tradition, believes, values, taboos and behaviors on disease occurrence	٦	٢	٤
- Islam pillars effect on behavior	٥	٢	٣
- Examples of behavioral diseases and its prevention	٥	٢	٣
- Case studies	٦	٢	٤
- Risky behaviors; smoking and drug abuse	٦	٢	٤
- Communication skills	٥	١	٤
- Health education	٧	٢	٥
-Behavioral risk factors of non- communicable diseases	٤	١	٣
Total	**٤٥**	**١٥**	**٣٠**
Credit hours	**٢**	**١**	**١**

٤. Teaching and Learning Methods

٤,١- Lectures

٤,٢- Computer search assignments

٤,٣- Roll plays

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills
٥,٤-OSPE	-Practical skills, intellectual skills

Assessment Schedule

Assessment ١……..Final written exam….. Week: ٢٤

Assessment ٢……..Final Structured Oral Exam ….. Week: ٢٤

Assessment٤……Final OSPE……. Week ٢٤

Assessment ٣…… Attendance and absenteeism throughout the course

Assessment ٤ …… Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	**٥٠ %**
Structured Oral Exam	**٣٠ %**
OSPE	**٢٠ %**
Total	**١٠٠ %**

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

٦. List of References

٦,١- Essential Books (Text Books)

١-Maxy-Rosenau Public health and preventive medicine, ٢٠٠٧.,Robert Wallace, publisher McGraw-Hill Medical; ١٥ edition.

٦,٢- Recommended Books

١- Dimensions of Community Health, ١٩٩٧. Dean F. Miller, James H. Price, publisher Brownell & Carroll; ٥th edition.

٢- Short Textbook of preventive and social Medicine. ٢٠١٠., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; ٢ edition.

٣- Epidemiology in Medical Practice, ١٩٩٧, D. J. P. Barker, Cyrus Cooper MA , G. Rose MA, publisher Churchill Livingstone; ٥ edition.

٦,٣- Periodicals, Web Sites, …etc

١-American Journal of Epidemiology
٢-British Journal of Epidemiology and Community Health
٣- WWW. CDC and WHO sites

٧. 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.
٣. COMPUTER PROGRAM: for designing and evaluating MCQs

Course Coordinator: Prof/Ahmed Fathy Hammed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Basics of Medical Biostatistics and methodology in diploma degree in public health and community medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine.
٢. Major or Minor element of programs: Minor
٣. Department offering the program: public health and community medicine
٤. Department offering the course: public health and community medicine
٥. Academic year / Level; ١st part
٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A- Basic Information

Program title: Basics of Medical Biostatistics and methodology.
Code: COM-٠٥٠٦-١٠٠
Total hours:

Lecture	Practical	Total	Credit hours
٣٠	٣٠	٦٠	٣

B- Professional Information

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Ethical Principles related to the Practice in this specialty
٤. Active participation in community needs management and problems solving.
٥. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
a٢. Describe the study design, uses of different types.
a٣. Describe sampling techniques and list at least three advantages of sampling.
a٤. Summarize data, construct tables and graphs.
a٥. Describe the normal curves and its uses.
a٦. Calculate measures of central tendency and measures of dispersion.

b) Intellectual Skills

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

b١. Identify and analyze data and information in the field of public health and community medicine and rank them according to their priorities.

c) Professional and Practical Skills:

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

c١. Use appropriate technology in collection, management and interpretation of data

d) General and Transferable Skills:

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

d١. Use information technology to serve the development of Knowledge in the area of biostatistics.

٣. Contents

Topic	No. of hours	Lecture	Tutorial /Practical
Methodology & statistics Introduction to research basics, terminology and rationale	٤	٢	٢
Data collection methods	٤	٢	٢
Types of Data	٤	٢	٢
Tabulation of data	٤	٢	٢
Graphical presentation of data	٤	٢	٢
Measures of central tendency	٤	٢	٢
Measures of dispersion	٤	٢	٢
Normal distribution curves	٤	٢	٢
Basics of Screening	٦	٣	٣
Basics of Study design: Cross sectional study and the prevalence rate	٦	٣	٣
Cohort study, incidence rate, relative & attributable risk	٦	٣	٣
Case-control study, Odd's ratio	٦	٣	٣
Sampling	٤	٢	٢
Total	**٦٠**	**٣٠**	**٣٠**
Credit hours	**٣**	**٢**	**١**

٤. Teaching and Learning Methods

٤,١- Lectures.
٤,٢- Practical sessions.
٤,٣- Computer search assignments

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٣-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills

Assessment Schedule

Assessment ١……..Final written exam….. Week: ٢٤
Assessment ٢……..Final Structured Oral Exam …..Week: ٢٤
Assessment ٣…… Attendance and absenteeism throughout the course
Assessment ٤ …… Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	٥٠ %
Structured Oral Exam	٥٠ %
Total	١٠٠ %

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

٦. List of References

٦,١- Essential Books (Text Books)

١-Maxy-Rosenau Public health and preventive medicine, ٢٠٠٧.,Robert Wallace, publisher McGraw-Hill Medical; ١٥ edition.

٦,٢- Recommended Books

١- Dimensions of Community Health, ١٩٩٧. Dean F. Miller, James H. Price, publisher Brownell & Carroll; ٥th edition.

٢- Short Textbook of preventive and social Medicine. ٢٠١٠., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; ٢ edition..

٦,٣- Periodicals, Web Sites, …etc

١-American Journal of Epidemiology
٢-British Journal of Epidemiology and Community Health
٣- WWW. CDC and WHO sites

٧. 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, colour and laser printers.

Course Coordinator: Dr. Ahmed Fathy Hammed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣

Course Specifications of Diploma degree in Public Health and Community Medicine

Sohag university **Faculty of Medicine**

١. Program on which the course is given: diploma degree in public health and community medicine.

٢. Major or Minor element of programs: Major

٣. Department offering the program: public health and community medicine

٤. Department offering the course: public health and community medicine

٥. Academic year / Level; ٢nd part

٦. Date of specification approval Faculty council No. "٢٥٠", decree No. "١٣٧٨" dated ٢٨/١٢/٢٠١٣

A. Basic Information

Program title: Medical Biostatistics and research methodology. Demography and Epidemiology

Study of Health problems and Special health care services, **Health problem related to nutritional deficiency and method of prevention and Health administration.**

Code:COM٠٥٠٦-١٠٠

Course title	Lecture	Practical	Total	credit
Medical Biostatistics and research methodology	٣٠	٣٠	٦٠	٣
Demography	٣٠	٣٠	٦٠	٣
Epidemiology.	٣٠	٣٠	٦٠	٣
Study of Health problems	٣٠	٣٠	٦٠	٣
Special health care services	٤٥	٣٠	٧٥	٤
Health problem related to nutritional deficiency and method of prevention	٤٥	٣٠	٧٥	٤
Health administration	٣٠	٣٠	٦٠	٣
Advanced courses in the specialty	٤٥	٣٠	٧٥	٤

B. Professional Information

Medical Biostatistics and research methodology module.

١. **Overall Aims of Course**

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. **Intended Learning Outcomes of Courses (ILOs)**

a) Knowledge and understanding:

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

a١. Identify how to comment on tables and graphs .
a٢. Interpret selected tests of significance and the inferences obtained from such tests
a٣. Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests and methods of evaluation of screening test.
a٤. Describe advantages and disadvantages of each type of study design, and requirements of each type.
a٥. Identify Basics of analytical statistics and Details of descriptive statistics
a٦. Identify how to design a questionnaire

b) Intellectual Skills

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

b١. Analyze researches and issues 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:

c١. Apply professional skills in the area of Biostatistics and research.

d) General and Transferable Skills:

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

d١. Use of different sources to obtain information and knowledge about uses of statistics and research in the field of Public health and Community medicine.

Demography module

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Define the sources of data and methods of collection for vital statistics and other demographic data.
a٢. Explain Egypt's population pyramid and define the information obtained from the pyramid.
a٣. Enumerate the different profiles of the population pyramids and their interpretations.
a٤. Define life expectancy.

b) Intellectual Skills

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

b١. Identify and analyze the information in the field of demography.
b٢. Identify community problems related to demography and Solve them with appropriate methods.
b٣. Analyze researches and issues related to demography.

c) Professional and Practical Skills:

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

c١. Use appropriate technology to prevent and control problems related to demographic variables as housing, population problem, etc…...

d) General and Transferable Skills:

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

d١. Use of different sources to obtain information and knowledge about demographic principles, and problems and methods of solving.

Epidemiology module

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤-Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Explain the three interacting ecological factors—agent(bacteria, parasites, viruses, ect….), host, and environment—affecting the occurrence of disease.
a٢. List essential public health functions.
a٣. Define patterns of care as preventive and curative, and describe the levels of preventive care.
a٤. Define basic components of clinical epidemiology and its basic components.
a٥. Describe the public health surveillance system and its use in the community setting.
a٦. Explain different methods for prevention and control and Define methods of prevention and control for different epidemiological problems in the community.
a٧. List risk factors relevant to selected non-communicable diseases e.g cancer.
a٨. Describe the infectious cycle and Identify the infectious cycle for each of the infectious diseases.

b) Intellectual Skills

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

b١. Identify and analyze the information in the field of epidemiology and rank them according to their priorities.
b٢. Solve epidemiologic problems in the area of public health and community medicine.
b٣. Analyze researches and issues related to epidemiology

c) Professional and Practical Skills:

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

c١. Apply professional skills in the field of epidemiology.
c٢. Write reports to describe various epidemiologic problems.
c٣. Use appropriate technology in diagnosis and management of epidemiologic problems.

d) General and Transferable Skills:

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

d١. Use information technology to serve the development of professional practice in the area of epidemiology
d٢. Use of different sources to obtain information and knowledge about epidemiological problems

Study of Health problems module

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Mention concepts of health and disease and their spectrum of health.
a٢. Identify prevalent Health problems in the community and related risk factors.
a٣. Explain different methods for prevention and control and Define methods of prevention and control for different health problems in the community

b) Intellectual Skills

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

b١. Identify and analyze the information about common health problems in the community and rank them according to their priorities.
b٢. Analyze researches and issues related to common health problems in the community.

c) Professional and Practical Skills:

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

c١. Write reports about common health problems in the community.
c٢. Use appropriate technology in diagnosis and management of common health problems in the community.

d) General and Transferable Skills:

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

d١. Use information technology to serve the development of professional practice in the area of diagnosis and management of prevalent health problems.
d٢. Use different sources to obtain information and knowledge to help in solving prevalent health problems.

Study of Special health care services module

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Describe the determinants of health on the individual, the family, and the community levels.
a٢. Describe the health needs for vulnerable group children and women in child bearing period and health needs for eldely,and rural areas residents.
a٣. Describe the principle of school health.

a٤. Describe the principle of occupational health.

b) Intellectual Skills

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

b١. Identify and analyze the information obtained from special care services and use it in formulating morbidity and mortality causes and rates.

b٢. Identify common problems in special care services and understand how to deal with these problems.

b٣. Analyze researches and issues related to special care services.

c) Professional and Practical Skills:

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

c١.Apply professional skills in providing health care to special vulnerable groups.

d) General and Transferable Skills:

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

d١. Use of information technology to serve the development of professional practice in special health care facilities.

d٢. Use of different sources to obtain information and knowledge about special health care services .

Health problem related to nutritional deficiency and method of prevention module

١. Overall Aims of Course

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.

٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.

٣. Active participation in community needs management and problems solving.

٤. Maintenance of abilities for continuous medical education

٢. Intended Learning Outcomes of Courses (ILOs)

a) Knowledge and understanding:

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

a١. Identify nutritional requirements essential for each age group and nutrition of vulnerable groups.

a٢. Mention different types of malnutrition diseases and methods for prevention and methods of nutritional assessment.

b) Intellectual Skills

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

b١. Identify and analyze the information about nutritional problems and nutritional assessments.

b٢. Analyze researches and issues related to nutritional problems

c) Professional and Practical Skills:

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

c١. Apply professional skills in nutritional assessment and in prevention and control of nutritional problems.

d) **General and Transferable Skills:**

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

d١. Assess and Identify personal learning needs to be qualified in nutritional management and assessments.

d٢. learn him self continuously in the field of nutrition and nutritional assessment.

Health administration module

١. **Overall Aims of Course**

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

١. Scientific Knowledge essential for the practice of Community Medicine and Public Health according to the international standards.
٢. Skills necessary for proper Diagnosis and Management of problems in the field of Community Medicine and Public Health including problem solving and decision making skills.
٣. Active participation in community needs management and problems solving.
٤. Maintenance of abilities for continuous medical education

٢. **Intended Learning Outcomes of Courses (ILOs)**

a) Knowledge and understanding:

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

a١. Describe the principle of health administration.
a٢. List the principles and fundamentals of ethics and legal aspects of professional practice in the field of public health and community medicine.
a٣. 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:

b١. Assess risk in professional practices in the field of public health and community medicine.
b٢. Make professional decisions in light of the available data.
b٣. Analyze researches and issues related to administration.

c) Professional and Practical Skills:

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

c١. Use appropriate technology in the field of administration.

d) General and Transferable Skills:

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

d١. Assess and Identify personal learning needs.
d٢. Work in a team.
d٣. Lead a team in familiar professional contexts.
d٤. Manage time efficiently

Advanced course in the specialty module e.g. Epidemiology

a) Knowledge and understanding:

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

a١.Mention details of advanced patterns of care (preventive and curative), and describe the advanced levels of preventive care.
a٢.Describe details of clinical epidemiology components and the advances in the epidemiology of different communicable and non communicable diseases.
a٣.Describe advanced public health surveillance systems and their use in the community setting.
a٤.Explain advanced methods for prevention and control for different epidemiological problems in the community.
a٥.List detailed risk factors relevant to selected non-communicable diseases e.g cancer.

b) Intellectual Skills

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

b١. Collect and verify data from different sources about epidemiology and prevalent epidemiological problems
b٢. Select the appropriate diagnostic and solving methods for the prevalent epidemiological problems.

b٣. Analyze researches and issues related to epidemiology.

c) Professional and Practical Skills:

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

c١. Write reports to describe various epidemiologic problems.

c٢. Diagnose and control an epidemic of infectious or non infectious diseases among the community .

d) General and Transferable Skills:

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

d١. Use information technology to serve the development of professional practice in the area of epidemiology

d٢. Use different sources to obtain information and knowledge about prevalent epidemiological problems in the community.

d٣. Learn himself continuously in the field of epidemiology.

٣. Contents

Medical Biostatistics and research methodology module.

Topic	No. of hours	Lecture	Tutorial/ Practical
Details of selected epidemiological study designs Case report	٤	٢	٢
Case series	٤	٢	٢
Ecological studies	٤	٢	٢
Correlatioal studies	٤	٢	٢
Details of Analytical studies	٤	٢	٢
Basics of experimental studies	٤	٢	٢
Detailed sampling techniques and uses of each type	٤	٢	٢
Screening and evaluation of screening tests	٤	٢	٢
Basics of selected tests of of significance Student T test	٤	٢	٢
Paired T test	٤	٢	٢
Chi square test	٤	٢	٢
Epidemiological analysis of an epidemic	٤	٢	٢
Principles of questionnaire design	٤	٢	٢
Comments on tables and graphic presentation	٤	٢	٢
Details of descriptive statistics	٤	٢	٢
Total	**٦٠**	**٣٠**	**٣٠**
Credit hours	**٣**	**٢**	**١**

Demography module

Topic	No. of hours	Lecture	Tutorial/ Practical
Concepts and terminology of demography	٤	٢	٢
Demographic variables	٤	٢	٢
Sources of demographic data	٤	٢	٢
Population census	٤	٢	٢
Methods of population estimation	٤	٢	٢

Population pyramid	٤	٢	٢
Life expectancy	٤	٢	٢
Concept of vital statistics	٤	٢	٢
mortality statistics	٤	٢	٢
fertility statistics	٤	٢	٢
statistics of marriage and divorce	٦	٣	٣
Other types of vital statistics	٦	٣	٣
Population problem	٨	٤	٤
Total	**٦٠**	**٣٠**	**٣٠**

Epidemiology module

Topic	No. of hours	Lecture	Tutorial/ Practical
Prevention and Control aspects of the ds		١	Computer search assignment &Field observation & reporting &/or Field investigation
Levels of Prevention in the community		١	
Chain events of Infectious cycle		١	
Epidemiology of selected communicable diseases: Viral ds: Hepatitis		١	
Polio		١	
Diarrheal ds		١	
Malaria, Filaria, Yellow fever		١	
Dengue, Rift Valley,		١	
Viral heamorrahgic fevers.. Ebola, Lassa, Merburg…….etc		١	
AIDs		١	
Rabies		١	
Others		١	
Bacterial ds: - Tetanus		١	
Typhoid & Paratyphoid		١	
Food Poisoning		١	
Tuberculosis		١	
Brucellosis		١	
Others: Shistosomiasis		١	
Other Parasitic infestation		١	
Locally endemic ds		١	
Diseases of Public Health Importance		١	
Epidemiology and risk factors of non- communicable diseases		١	
Cancer		١	
Emerging and Remerging ds		١	

SARS		١	
Avian flue		١	
Global Environmental & Climate determinants of diseases		١	
International classification of diseases		١	
Community diagnosis, ds. Surveillance & Surveys		١	
Investigation of an epidemic, the attack rates		١	
Total	٦٠	٣٠	٣٠
Credit hours	**٣**	**٢**	**١**

Study of Health problems module

Topic	No. of hours	Lecture	Tutorial/Practical
Concept of health and disease		٣	Computer search assignment &Field observation & reporting &/or Field investigation
determinants of health		٣	
common causes of health problems		٣	
concept of vulnerable groups		٣	
school health problems		٣	
basics of maternal and child problems		٣	
basics of occupational health problems		٤	
basics of geriatric health problems		٤	
rural health problems		٤	
Total	**٦٠**	**٣٠**	**٣٠**
Credit hours	**٣**	**٢**	**١**

Special health care services

Topic	No. of hours	Lecture	Tutorial/Practical
school health services		٧,٥	Computer search assignment &Field observation & reporting &/or Field investigation
basics of maternal and child care services		٧,٥	
basics of occupational health services		٧,٥	
basics of geriatric health services		٧,٥	
special care services and quality		٧,٥	
rural health services		٧,٥	
Total	**٧٥**	**٤٥**	**٣٠**
Credit hours	**٤**	**٣**	**١**

Health problem related to nutritional deficiency and method of prevention module

Topic	**No. of hours**	**Lecture**	**Tutorial/ Practical**
Nutrition nutrition of pregnant women	٨	٥	٣
nutrition of mothers during breast feeding	٨	٥	٣
nutrition of children and adolescent	٨	٥	٣
nutrition of elderly	٨	٥	٣
nutrition in weaning	٨	٥	٣
malnutrition and diseases of nutrients deficiency:			
Vitamin deficiencies	٧	٤	٣

iron deficiency and other types of nutritional anemia	٧	٤	٣
minerals deficiencies	٧	٤	٣
protein energy malnutrition	٦	٤	٢
detailed methods of nutritional assessment	٥	٣	٢
Other health problems related to nutrition e.g. obesity……..	٣	١	٢
Total	**٧٥**	**٤٥**	**٣٠**
Credit hours	**٤**	**٣**	**١**

Health administration module

Topic	No. of hours	Lecture	Tutorial/Practical
Basics of Health services administration terminology	٤	٢	٢
General system theory	٤	٢	٢
System input	٦	٣	٣
System output	٦	٣	٣
Concept of feedback	٦	٣	٣
Principles of administration process components	٦	٣	٣
Concepts of goals, objective and target	٦	٣	٣
Concept and basics of planning	٦	٣	٣
Concept and basics of organizing	٦	٣	٣
Concept and basics of supervision	٦	٣	٣
Concept and basics of evaluation	٤	٢	٢
Total	**٦٠**	**٣٠**	**٣٠**
Credit hours	**٣**	**٢**	**١**

Advanced course in the specialty e.g. Epidemiology

Topic	No. of hours	Lecture	Tutorial/Practical
Advanced methods of Prevention and Control of the diseases		٦	Computer search assignment &Field observation & reporting &/or Field investigation
Advanced levels of Prevention in the community		٦	
the advances in the epidemiology of communicable diseases		٦	
the advances in the epidemiology and risk factors of non- communicable diseases		٦	
The advances in Global Environmental & Climate determinants of diseases		٦	
advanced classification of diseases		٥	
Advanced methods of Community diagnosis		٥	
Advanced methods of diagnosis and control of epidemics and outbreaks		٥	
Total	**٧٥**	**٤٥**	**٣٠**
Credit hours	**٤**	**٣**	**١**

٤. Teaching and Learning Methods

٤,١- Lectures.
٤,٢- Practical sessions.
٤,٣- Computer search assignments
٤,٤- Field observation

٥. Student Assessment Methods

Method of assessment	The assessed ILOs
٥,١- Observation of attendance and absenteeism.	- General transferable skills, intellectual skills
٥,٢- Log book	- General transferable skills
٥,٣-Written Exam: -Short essay: ٤٠٪ -structured questions: ٢٥٪ -MCQs: ٢٠٪ -Commentary, Problem solving: ١٥٪	 - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills,
٥,٤-Structured Oral Exam	- Practical skills, intellectual skills - Knowledge - General transferable skills
٥,٦ Computer search assignment	-General transferable skills, intellectual skills

Assessment Schedule

Assessment ١…….. Final written exam….. week: ٤٨
Assessment ٢…….. Final Structured Oral Exam …..week: ٤٨
Assessment ٣…… Attendance and absenteeism throughout the course
Assessment ٤ ……Computer search assignment performance throughout the course

Weighting of Assessments

Final written examination	٥٠ %
Structured Oral Exam	٥٠ %
Total	١٠٠ %

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

٦. List of References

٦,١- Essential Books (Text Books)

١-Maxy-Rosenau Public health and preventive medicine, ٢٠٠٧.,Robert Wallace, publisher McGraw-Hill Medical; ١٥ edition.

٦,٢- Recommended Books

١- Dimensions of Community Health, ١٩٩٧. Dean F. Miller, James H. Price, publisher Brownell & Carroll; ٥th edition.

٢- Short Textbook of preventive and social Medicine. ٢٠١٠., G.N., M.D. Prabhakara, publisher Jaypee Brothers Medical Pub ; ٢ edition.

٣- Epidemiology in Medical Practice, ١٩٩٧, D. J. P. Barker, Cyrus Cooper MA , G. Rose MA, publisher Churchill Livingstone; ٥ edition.

٦,٣- Periodicals, Web Sites, …etc

١-American Journal of Epidemiology
٢-British Journal of Epidemiology and Community Health
٣- WWW. CDC and WHO sites

٧. 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, colour and laser printers.

Course Coordinator: Dr. Ahmed Fathy Hamed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: ١٨/١٢/٢٠١١, Revised:١/٩/٢٠١٢, Revised:١/١٢/٢٠١٣