



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



جامعة بنها
كلية الطب البشرى
قسم الصحة العامة والطب الوقائي والاجتماعي

Program Specification of Master Degree of Public Health, Preventive, and
Social Medicine
(2013-2014)

Basic Information:

1. **Program title:** Master degree in Public Health, Preventive and Social Medicine.
2. **Program type:** Multiple.
3. **Responsible departments:** Public Health, Preventive and Social Medicine.
4. **Sharing departments:** Microbiology, Parasitology and Neuropsychiatry
5. **Responsible for the program:** Prof. Dr. Soad Darwish Elgendy; Prof. of Public Health and Community Medicine.
6. **Internal evaluator:** Prof. Dr. Mahmoud Fawzy Elgendy; Prof. of Public Health and Community Medicine.
7. **External evaluator:** Prof. Dr. Samir Mohamed Wassif; Prof. of Public Health and Community Medicine.
8. **Last date of approval of program specification:**
 - ✓ Department council: 8/9/2013
 - ✓ Faculty council 15/9/2013

B) Professionals Information

1- Program aims:

The aim of this program is to provide postgraduate students with basic and advanced knowledge in the field of public health and community medicine in addition to lend them practical skills of scientific research, enabling them to recognize their community problems and to manage these problems in order to achieve community development. This aim will be



achieved through:

- 1.1. Being aware of updating problems in the field of Public Health.
- 1.2. Determination of practical problems and suggestion of solutions.
- 1.3. Performance of practical skills and utilization of suitable technological methods in clinical practice.
- 1.4. Utilization of the available resources efficiently.
- 1.5. Awareness of his role in community development, health promotion and protection of the environment.
- 1.6. Learning how to create and implement effective public health solutions that reflect an understanding of complex, dynamic public health issues
- 1.7. Enhancement of career prospects by continuous self learning ,gaining strategic leadership and communication skills to solve public health issues.
- 1.8. Provision of the opportunity to carry out focused research in the discipline under close supervision in order to develop their skills and expertise .
- 1.9. Being up to date with basic scientific knowledge using methods and technologies of scientific research.

2-Intended Learning Outcomes (ILOS):

2.a. Knowledge and Understanding

On successful completion of the program, the graduate will be able to:

- 2.a.1 **Recognize** the difference between preventive and curative medicine
- 2.a.2 **Understand** the epidemiological approach in describing any health problem and recognize the role of different micro-organisms and parasites in occurrence of diseases



- 2.a.3 **Recognize** the basics of quality & administration of health services.
- 2.a.4 **Understand** the research methodology.
- 2.a.5 **Determine** different vulnerable groups in the community and their specific health problems.
- 2.a.6 **Discuss** the effect of human activities on environment and how to protect it.
- 2.a.7 **Identify** the demographic characteristics of the community
- 2.a.8 **Demonstrate** the principles of nutrition and categorize the nutritional disorders.
- 2.a.9 **Recognize** principles and basics of health economics
- 2.a.10 **Demonstrate** the health services provided to different groups of the community through the national health system with its different levels of care, with stress on the role of primary health care in health promotion and prevention of the diseases.
- 2.a.11 **Determine** the ethics of research, communication and motivation skills

2.b. Intellectual Skills:

On successful completion of the program, the graduate will be able to:

- 2.b.1 **Interpret** practical information and use it as standard for problem solving.
- 2.b.2 **Formulate** and test hypothesis
- 2.b.3 **Analyze** the situation during outbreaks and epidemics.
- 2.b.4 **Assess** the risk of professional exposure to health hazards
- 2.b.5 **Evaluate** the performance of primary health care units.
- 2.b.6 **Design** a program for the prevention and control of the health



problems of certain vulnerable group.

- 2.b.7 **Standardize** different types of rates
- 2.b.8 **Differentiate** between nutritional disorders.
- 2.b.9 **Interpret** the results of his research and make a conclusion.

2.c. Practical and professional Skills:

On successful completion of the program, the graduate will be able to:

- 2.c.1 **Manage** data effectively.
- 2.c.2 **Write** protocol for his research and thesis in a scientific way.
- 2.c.3 **Perform** simple statistical analysis of data
- 2.c.4 **Plan** a program for prevention and control of different health problem.
- 2.c.5 **Design** an investigation of a putative communicable disease outbreak or chemical or biological incident.
- 2.c.6 **Conduct** a survey study to collect data for his research

2.d. General and transferable skills:

On successful completion of the program, the graduate will be able to

- 2.d.1 **Communicate** effectively verbal and non verbal and cooperate with colleagues in an appropriate manner
- 2.d.2 **Utilize** technological knowledge to serve in clinical practice development.
- 2.d.3 **Use** the sources of information to remain current with the advances in knowledge & practice.
- 2.d.4 **Work** in team.
- 2.d.5 **Manage** time and meeting effectively.
- 2.d.6 **Lead** a team in a popular practical way.



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



2.d.7 **Achieve** continuous self learning and handle learning facilities with care.

2.d.8 **Participate** in community development and in drawing up and implementing development policies and plans.

3- Academic Standards

- Academic Standards of Master Program of Public Health ,Preventive and Social Medicine, approved in department council no. (244) date 8 / 9 / 2013 and in faculty council no. (356) date 15/ 9 / 2013 (ملحق ١).

4- External Reference standards (Benchmarks)

- Academic Reference Standards (ARS), Master Program (March 2009, which were issued by the National Authority for Quality Assurance & Accreditation of Education NAQAAE(ملحق ٢)
- Program Specification of Master Degree In Public Health, University of Cambridge (ملحق ٣).

5- Program structure and contents

Program duration: 4 semesters

- **1st part:** - One semester (6 months).
- **2nd part:** - Two semester (one year).
- **Thesis :-** One semester (6 months).

Program structure

- **Total hours of the program :** 48 credit hours
- **Theoretical:** 12 credit hours
- **Practical:** 10 credit hours



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



- **University and faculty requirements:** 7 credit hours
- **Logbook:** 7 credit hours
- **Thesis :** 12 credit hours
- **Selective courses:** None
- **Elective courses:** None

Program courses

الساعات المعتمدة	الكود	المقررات	البند
٧ ساعات	UNIV 601	للجامعة والكلية	متطلبات
٧ ساعات		يشمل الآتي:	الجزء الأول
٢ ساعة	COMM 601	دراسة البيئة وعلاقتها بالصحة العامة (مقرر علمي وعملي)	
١ ساعة	COMM 602	أسس التغذية والتقييم الغذائي (مقرر علمي)	
١.٥ ساعة	COMM 603	البكتريولوجيا (مقرر علمي وعملي)	
١.٥ ساعة	COMM 604	الطفيليات (مقرر علمي وعملي)	
١ ساعة	COMM 605	سيكولوجي (مقرر علمي)	
٥ ساعات		تسجل بها أنشطة مثل حضور الندوات والمؤتمرات والدورات التدريبية وإجراء أبحاث إضافية	كراسة الأنشطة
١٧ ساعة		يشمل الآتي:	الجزء الثاني
٢ ساعة	COMM 606	خدمة الدراسات الوبائية والإحصاء الطبي (مقرر علمي وعملي)	
١ ساعة	COMM 607	الدراسات السكانية (مقرر علمي)	
٤ ساعات	COMM 608	وبائيات الأمراض والوقاية والمكافحة (مقرر علمي وعملي)	
٥ ساعات	COMM 609	دراسة المشكلات الصحية وأنواع الخدمات للفئات المختلفة وتشمل رعاية الأمومة والطفولة الصحة المدرسية، الصحة الريفية ، صحة المسنين الصحة العمالية وغيرها (مقرر علمي وعملي)	
١ ساعة	COMM 610	اقتصاديات الصحة	
١.٥ ساعة	COMM 611	المشكلات الغذائية وأسلوب الوقاية منها (مقرر علمي وعملي)	
١.٥ ساعة	COMM 612	إدارة الخدمات الصحية (مقرر علمي وعملي)	
١ ساعة	COMM 613	مقرر علمي في فروع الصحة العامة الأخرى (دراسة تخصصية)	
١٢ ساعة			رسالة ماجستير
٤٨ ساعة			الإجمالي



ساعة واحدة معتمدة = ساعة واحدة نظري أسبوعياً لمدة فصل دراسي (١٥ أسبوع) أي ١٥ ساعة محاضرات نظرية في الفصل الدراسي.

= ثلاث ساعات تدريب عملي لمدة ١٥ أسبوع أي ٤٥ ساعة في الفصل الدراسي. في المقررات غير مادة التخصص في الجزء الأول للماجستير والدبلوم تقرر أن يكون إحتساب نصف ساعة معتمدة تساوي ساعة نظري أسبوعياً لمدة فصل دراسي.

First part (one semester):

Course Title	Course Code	NO. of Teaching hours			Total teaching hours/ One Semester
		Theoretical	Practical	Total h /W	
دراسة البيئة وعلاقتها بالصحة العامة	COMM 601	1	1	(1x15)+(1x3x15)	60 hours
أسس التغذية والتقييم الغذائي	COMM 602	1	-	1x15	15 hours
البكتريولوجيا	COMM 603	1	0.5	(1x15)+(1x15)	30 hours
الطفيليات	COMM 604	1	0.5	(1x15)+(1x15)	30 hours
سيكولوجي	COMM 605	1	-	1x15	15 hours
Total:		5	2	7	150 hours

Second part (2 semesters):

Course Title	Course Code	NO. of Teaching			Total teaching hours / 2 semesters
		Theoretical	Practical	Total/W	
خدمة الدراسات الوبائية والإحصاء الطبي	COMM 606	1	1	(1x15)+(1x3x15)	60 hours
الدراسات السكانية	COMM 607	1	-	1x15	15hours
وبائيات الأمراض والوقاية والمكافحة	COMM 608	3	1	(3 x15)+(1x3x15)	90 hours



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



دراسة المشكلات الصحية وأنواع الخدمات للفئات المختلفة وتشمل رعاية الأمومة والطفولة والصحة المدرسية، الصحة الريفية، صحة المسنين الصحة العمالية وغيرها	COMM 609	4	1	(4x15)+(1x3x15)	105 hours
إقتصاديات الصحة	COMM 610	1	-	1x15	15 hours
المشكلات الغذائية وأساليب الوقاية منها	COMM 611	1	0.5	(1x15)+(0.5x3x15)	37.5hours
إدارة الخدمات الصحية	COMM 612	1	0.5	(1x15)+(0.5x3x15)	37.5 hours
مقرر علمي في فروع الصحة العامة الأخرى	COMM 613	1	-	1x15	15 hours
Total		12	5	17	285 hours

٦- محتويات المقررات

Courses of the First part			Credit hours		
Course name	Code	Contents	Lectures	Tutorial/Practical	Total
Environmental Health	COMM 601	Physical hazards Air pollution Food sanitation Water sanitation Waste disposal Insect & rodent control	1	1	2
Nutrition	COMM 602	Basic elements of nutrition Food additives Nutritional assessment Therapeutic nutrition	1	-	1
Microbiology	COMM 603	General microbiology special microbiology immunology Virology	1	0.5	1.5



Parasitology	COMM 604	Trematodes Cestodes Nematodes Protozoa Entomology Far East Trematodes Parasitological techniques Immunology.	1	0.5	1.5
Psychology	COMM 605	Motivation Leadership Communication	1	-	1
Total	7 credit hours				

Courses of the second part					
Course name	Code	Contents	Lectures	Tutorial/Practical	Total
Medical statistics	COMM 606	Types of data Collection of data Presentation of data(tabular & graphic) Summarization of data Analysis of data Hypothesis testing Interpretation of data. Ethics of research	1	1	2
Demography	COMM 607	Census Population pyramid Demographic transition Overpopulation problem Biostatistics & vital rates	1	-	1



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



Epidemiology	COMM 608	General epidemiology Epidemiology of Communicable & non communicable diseases	3	1	4
Health services	COMM 609	Maternal & child health services School health services Adolescent health services Rural health services Geriatric health services Occupational health services Mental health	4	1	5
Health economics	COMM 610	Disease burden	1	-	1
Nutritional disorders	COMM 611	Malnutrition Obesity	1	0.5	1.5
Administration	COMM 612	POSDCORB Evaluation Quality assurance Total quality management Hospital administration Communication Leadership	1	0.5	1.5
Special Topics	COMM 613	Recent topics related to Community Medicine	1	-	1
Total			17 credit hours		

7-Program admission requirements : متطلبات الإلتحاق بالبرنامج :

يشترط في قيد الطالب لدرجة الماجستير في الصحة العامة والطب الوقائي والاجتماعي:

- أ- أن يكون حاصلًا على درجة البكالوريوس في الطب والجراحة من إحدى جامعات ج.م.ع أو على درجة معادلة لها من معهد علمي معترف به من الجامعة بتقدير جيد على الأقل.
- ب- يسمح للحاصل على الدبلوم وفقًا لنظام هذه اللائحة وبتقدير جيد على الأقل بتسجيل رسالة لاستكمال درجة الماجستير بشرط ألا يكون قد مر أكثر من ثلاث سنوات على تاريخ حصوله على درجة الدبلوم وبغض



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



النظر على تقديره في درجة البكالوريوس.

- ت- يسمح للحاصل على الدبلوم وعلى خلاف لنظام هذه اللائحة أن يسجل لدرجة الماجستير بشرط أن يكون تقديره في الدبلوم لا يقل عن جيد وبغض النظر عن تقديره في البكالوريوس.
- ج- أن يكون قد أمضى السنة التدريبية أو ما يعادلها (سنة الامتياز)
- د- أن يتفرغ للدراسة لمدة سنة على الأقل في الجزء الثاني (فصلين دراسيين)
- هـ- يكون التقدم للقيود لدرجة الماجستير مرة واحدة في السنة خلال شهري يوليو وأغسطس من كل عام. , تبدأ الدراسة لدرجة الماجستير في شهر أكتوبر من كل عام.

٨ - القواعد المنظمة لإستكمال البرنامج :

يشترط في الطالب لنيل درجة ماجستير الصحة العامة وطب المجتمع

- أ- حضور المقررات الدراسية واللقاءات العلمية بصفة مرضية طبقا للساعات المعتمدة.
- ب- ينبغي ان يمر ستة اشهر بعد التسجيل لدرجة الماجستير حتى يسمح للطالب بالتقدم لامتحان الجزء الاول (دور مايو او اكتوبر)
- ت- يحق للطالب التقدم لامتحان الجزء الثاني بعد عام ونصف من التسجيل لدرجة الماجستير بشرط النجاح في الجزء الاول
- ث- يحتاج الطالب ان ينجح بنسبة ٦٠٪ على الاقل في الامتحان التحريري للسماح لهم بدخول الامتحان الشفوي.
- ج- يسمح للطالب بدخول امتحان شفوي ٤ مرات قبل إعادة حضور الامتحان التحريري.
- ح- أن يقوم الطالب باعداد بحث في موضوع تقره الجامعة بعد موافقة مجلس القسم ومجلس الكلية ينتهي باعداد رسالة تقبلها لجنة التحكيم.
- خ- يجب أن يبدأ تسجيل الرسالة بعد التسجيل لدرجة الماجستير ويجب أن تنتهي وتناقش بعد اجتياز الجزء الثاني بستة اشهر وبعد مرور ٢٤ أشهر على الأقل من تسجيل موضوع الرسالة
- د- اجتياز الطالب لثلاث دورات في الحاسب الآلي (دورة في مقدمة الحاسب – دورة تدريبية متوسطة – دورة في تطبيقات الحاسب الآلي) وذلك قبل مناقشة الرسالة.
- ذ- اجتياز اختبار التوفيل بمستوى لا يقل عن ٤٠٠ وحدة وذلك قبل مناقشة الرسالة.
- ر- قبول الرسالة هو ما يكفي لتمرير هذا الجزء



٩ - Students Assessment Methods

٩ - طرق وقواعد تقييم الملحقين بالبرنامج

م	الطريقة	ما تقيسه من مخرجات التعلم المستهدفة
1	Written examination	To assess knowledge and understanding & intellectual skills: From 2.a.1.....2.a.9. and 2. b.1.....2.b.8. and 2.c.3.....2.c.5
2	Oral examination	To assess knowledge and understanding, intellectual skills & General & transferable skills From 2.a.1...to....2.a.9 2.b.1...to...2.b.8 2.d.1
٤	Practical exam	To assess knowledge and understanding, intellectual skills 2.a.3 ,2.b.2 ,2.b.7 ,2.b.9, 2.b.10
٥	Thesis Discussion	To assess professional ,practical & intellectual skills 2.b.2,2.b.9,2.b.10 and 2.c.6and 2.d.12.d.8

First part

إجمالي	الدرجة				الاختبار	المقرر
	إكلينيكي	عملي	شفهي	تحريري		
٢٠٠		٥٠	٥٠	١٠٠	اختبار تحريري مدته ثلاث ساعات + اختبار شفهي + تقرير عن زيارة ميدانية	دراسة البيئة وعلاقتها بالصحة العامة وأسس التغذية والتقييم الغذائي
50		١٠	١٥	٢٥	اختبار تحريري مدته ساعتين + اختبار شفهي	البكتريولوجيا
50		10	15	25	اختبار تحريري مدته ثلاث ساعات + اختبار شفهي	الطفيليات
100			50	50	اختبار تحريري مدته ساعة + اختبار شفهي	سيكولوجي
4٠٠						إجمالي الدرجة

Second part



(عام 2014-2013)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



إجمالي	الدرجة				الاختبار	المقرر
	اكلينيكي	عملي	شفهي	تحريري		
٢٠٠		٥٠	٥٠	١٠٠	اختبار تحريري مدة ثلاث ساعات + اختبار شفهي+امتحان statistical problem solving	الاحصاء الطبي والسكان
١٥٠			٥٠	١٠٠	اختبار تحريري مدة ثلاث ساعات + اختبار شفهي	وبائيات الأمراض والوقاية والمكافحة و المشكلات الغذائية وأسلوب الوقاية منها
٢٥٠			١٠٠	١٥٠	اختبار تحريري مدة ثلاث ساعات + اختبار شفهي	دراسة المشكلات الصحية و إدارة الخدمات الصحية و إقتصاديات الصحة والبيئة
٦٠٠	إجمالي الدرجة					

10- Evaluation of Program:**١٠ - طرق تقويم البرنامج:**

Evaluator	Tools	Sample
Internal evaluator (s)	Report according to internal evaluator checklist report of NAQAAE	1-2 Report
External Evaluator (s)	Report according to external evaluator Checklist report of NAQAAE.	1-2 Report
Postgraduate student (s)	Interview, questionnaires	All
Alumni	Interview, questionnaires	Not less than 50% from the last 3 years
Stakeholder (s)	Interview, questionnaires	Representative samples from all sectors

١١ - استراتيجيات التعليم و التعلم علي مستوي البرنامج:

١. استراتيجية التعلم النشط. Active learning
٢. استراتيجية التعليم المبني على النتائج. Outcome-based learning



(عام 2013-2014)

توصيف برنامج ماجستير الصحة العامة والطب الوقائي والاجتماعي



٣. استراتيجية التعليم المبني على حل المشكلات Problem-based learning

Program responsible: Prof. Dr.Soad Darwish Elgendy

Head of Department: Pro Dr.Abdelmoniem Younis Dawah

Date: 8 / 9 /2013

الملحقات :

- ملحق ١: Adopted Academic Standard Of The Program المعايير الاكاديمية المتبناة للبرنامج
- ملحق ٢: المعايير القياسية العامة للدراسات العليا الصادرة عن الهيئة.
- ملحق 3: Benchmarks (المعايير المرجعية الخارجية)
- ملحق 4: مصفوفة مضاهاة المعايير الأكاديمية المتبناة للبرنامج مع المعايير القياسية للدراسات العليا الصادرة عن الهيئة.
- ملحق ٥: مصفوفة مضاهاة المعايير الاكاديمية للبرنامج مع اهداف و مخرجات التعلم المستهدفة للبرنامج.
- ملحق ٦: مصفوفة مضاهاة المقررات مع مخرجات التعلم المستهدفة للبرنامج
- ملحق ٧: توصيف المقررات

ملحق ١
وثيقة المعايير الأكاديمية المتبناة لبرنامج الماجستير

**Adopted Academic Standards for Master Degree in
Public health, Preventive and social Medicine**

1. Graduate attributes:

By the end of the program, the graduates should be capable of:

- 1.1 Achieving proficiency in the application of the basics and methodologies of scientific research and the use of its various tools.
- 1.2 Application of the analytical curriculum and its use in investigating Community and Public health problems.
- 1.3 Application of the specialized knowledge and its combination with the relevant knowledge in diagnosis and management of public health problems.
- 1.4 Showing an awareness of the current problems in the field of Epidemiology.
- 1.5 Identifying professional problems and finding solutions.
- 1.6 Proficiency of a suitable statistical soft ware skills and the use it to serve his research practice.
- 1.7 Effective communication skills either verbal or non verbal and the ability to lead a team work.
- 1.8 Decision making in different professional contexts as in Epidemics.
- 1.9 Employing the available resources to achieve the highest benefit and preservation as employing appropriate technological means, problem solving, efficient use of available resources and decision making skills.

- 1.10 Showing awareness of his role in community development and environmental conservation in light of the global and regional changes.
- 1.11 Behavior in a manner reflecting commitment to credibility the rules of the profession.
- 1.12 Development of himself academically and professionally and ability of continuous learning.

2. General academic standards:

2.1 Knowledge and understanding:

By the end of the program, the graduate should know and understand :

- 2.1.1 Theories and fundamentals related to the field of Community Medicine and the related fields including Microbiology, Parasitology and behavioral sciences.
- 2.1.2 Mutual influence between professional practice of Public Health and its impacts on the environment.
- 2.1.3 Scientific developments in the field of Research methodology.
- 2.1.4 Moral and legal principles of professional practice in the area of research.
- 2.1.5 Principles and the basics of quality in professional practice for safe health service.
- 2.1.6 Basics and ethics of scientific research.

2.2 Intellectual skills:

At the end of the program the graduate should be able to :

- 2.2.1 Analyze and evaluate the information in the field of Community Medicine and use it to solve Prevailing health problems.

- 2.2.2 Solve specialized problems with the unavailability of some data.
- 2.2.3 Link between the various professional knowledge to solve professional problems related to communicable and non communicable diseases.
- 2.2.4 Conduct a research study or writing a systematic scientific study on a prevailing community or public health problem.
- 2.2.5 Assess risk of public health problem specially among vulnerable groups as maternal and child, geriatric, school children, youth and rural residents.
- 2.2.6 Plan for the development of the performance in the area of Preventive medicine.
- 2.2.7 Make professional decisions in a variety of professional contexts as outbreaks of a communicable disease.

2.3 Professional skills

By the end of the program the graduate should be able to :

- 2.3.1 Be proficient in the basic and modern professional specialized skills as Performing a statistical analysis of data.
- 2.3.2 Write and evaluate professional reports.
- 2.3.3 Assess methods and tools existing in the area of community medicine.

2.4 General & transferable skills :

By the end of the program the graduate should be able to:

- 2.4.1 Communicate effectively either horizontal and vertical using all communication skills that result in the effective exchange of information.
- 2.4.2 Use information technology to serve the professional practice as using visual aids for preparing a good presentation .

- 2.4.3 Assess himself and determine his educational needs
- 2.4.4 Use different sources to get information and knowledge.
- 2.4.5 Put rules and indicators to assess the performance of others .
- 2.4.6 Work in different professional contexts .
- 2.4.7 Manage time efficiently.
- 2.4.8 Achieve self and continuous learning to keep himself up to date regarding Public Health issues.

- **Approval of Department council:** 8 / 9 /2013
- **Approval of Faculty council :** 15 / 9 /2013
- **Program responsible:** Prof. Dr. Soad Darwish Elgendy
- **Head of Department:** Prof. Dr. Abd elmoniem Younis Dawah

**Academic Reference Standards (ARS), Master Program
(March 2009) , which were issued by the National Authority
for Quality Assurance & Accreditation**

١- مواصفات الخريج

- خريج برنامج الماجستير في أي تخصص يجب أن يكون قادرا على :
- ١-١ إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة
 - ٢-١ تطبيق المنهج التحليلي واستخدامه في مجال التخصص
 - ٣-١ تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في ممارسته المهنية
 - ٤-١ إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص
 - ٥-١ تحديد المشكلات المهنية وإيجاد حلول لها
 - ٦-١ إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
 - ٧-١ التوصل بفاعلية والقدرة على قيادة فرق العمل
 - ٨-١ اتخاذ القرار في سياقات مهنية مختلفة
 - ٩-١ توظيف الموارد المتاحة بما يحقق أعلى استفادة والحفاظ عليها
 - ١٠-١ إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات العالمية والاقليمية
 - ١١-١ التصرف بما يعكس الالتزام بالنزهة والمصداقية والالتزام بقواعد المهنة
 - ١٢-١ تنمية ذاته أكاديميا ومهنيا وقادرا على التعلم المستمر

2- المعايير القياسية العامة

١-٢ المعرفة والفهم :

- بأنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج على فهم ودراية بكل من :
- ١-١-٢ النظريات والاساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة
 - ٢-١-٢-٢ التأثير المتبادل بين الممارسة المهنية وانعكاسها على البيئة
 - ٣-١-٢ التطورات العلمية في مجال التخصص
 - ٤-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص
 - ٥-١-٢ مبادئ واساسيات الجودة في الممارسة المهنية في مجال التخصص
 - ٦-١-٢ اساسيات واخلاقيات البحث العلمي

٢-٢ المهارات الذهنية :

- بأنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :
- ١-٢-٢ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل
 - ٢-٢-٢ حل المشاكل المتخصصة مع عدم توافر بعض المعطيات
 - ٣-٢-٢ الربط بين المعارف المختلفة لحل المشاكل المهنية
 - ٤-٢-٢ اجراء دراسة بحثية او كتابة دراسة علمية منهجية حول مشكلة بحثية
 - ٥-٢-٢ تقييم المخاطر في الممارسات المهنية في مجال التخصص

- ٦-٢-٢ التخطيط لتطوير الاداء فى مجال التخصص
٧-٢-٢ اتخاذ القرارات المهنية فى سياقات مهنية متنوعة
٣-٢ المهارات المهنية
بانتهاج دراسية برنامج الماجستير يجب ان يكون الخريج قادرا على :
١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة فى مجال التخصص
٢-٣-٢ كتابة وتقييم التقارير المهنية
٣-٣-٢ تقييم الطرق والادوات القائمة فى مجال التخصص
- ٤-٢ المهارات العامة والمنتقلة :
بانتهاج دراسية برنامج الماجستير يجب ان يكون الخريج قادرا على :
١-٤-٢ التواصل الفعال بأنواعه المختلفة
٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية
٣-٤-٢ التقييم الذاتى وتحديد احتياجاته التعليمية
٤-٤-٢ استخدام المصادر المختلفة لحصول على المعلومات والمعارف
٥-٤-٢ وضع قواعد ومؤشرات تقييم اداء الاخرين
٦-٤-٢ العمل فى فريق سياقات مهنية مختلفة
٧-٤-٢ ادارة الوقت بكفاءة
٨-٤-٢ التعلم الذاتى والمستمر

ملحق 3: Benchmarks (المعايير /العلامات المرجعية)

Program Specification of Master Degree In Public Health, University of Cambridge

For the academic year 2011-2012

www.admin.cam.ac.uk/univ/camdata/archive.html

ملحق ٤

مصفوفة مضاهاة المعايير الأكاديمية لبرنامج الماجستير مع المعايير القياسية للدراسات العليا الصادرة عن الهيئة

- ١ - مواصفات الخريج:

مواصفات الخريج بالمعيار الأكاديمية للبرنامج	مواصفات الخريج بالمعيار القياسية للدراسات العليا (درجة الماجستير)
1-1 Proficiency in the application of the basics and methodologies of scientific research and the use of its various tools.	١-١ إجادة تطبيق أساسيات ومنهجيات البحث العلمي واستخدام أدواته المختلفة
1-2 Application of the analytical curriculum and its use in investigating Community and Public health problems.	٢-١ تطبيق المنهج التحليلي واستخدامه في مجال التخصص
1-3 Application of the specialized knowledge and its combination with the relevant knowledge in diagnosis and management of public health problems.	٣-١ تطبيق المعارف المتخصصة ودمجها مع المعارف ذات العلاقة في ممارسته المهنية
1-4 Showing an awareness of the current problems in the field of Epidemiology.	٤-١ إظهار وعيا بالمشاكل الجارية والرؤى الحديثة في مجال التخصص
1-5 Identifying professional problems and finding solutions.	٥-١ تحديد المشكلات المهنية وإيجاد حلول لها
1-6 Proficiency of a suitable statistical software skills and the use it to serve his research practice.	٦-١ إتقان نطاق مناسب من المهارات المهنية المتخصصة واستخدام الوسائل التكنولوجية المناسبة بما يخدم ممارسته المهنية
1-7 Effective communication skills either verbal or non verbal and the ability to lead a team work.	٧-١ التوصل بفاعلية والقدرة على قيادة فرق العمل
1-8 Decision making in different professional contexts as in Epidemics.	٨-١ اتخاذ القرار في سياقات مهنية مختلفة
1-9 Employ the available resources to achieve the highest benefit and preservation as employing appropriate technological means, problem solving, efficient use of available resources and decision making skills.	٩-١ توظيف الموارد المتاحة بما يحقق أعلى استفادة والحفاظ عليها
1-10 Show awareness of his role in community development and environmental conservation in light of the global and regional changes.	١٠-١ إظهار الوعي بدوره في تنمية المجتمع والحفاظ على البيئة في ضوء المتغيرات العالمية والإقليمية
1-11 Behavior in a manner reflecting commitment to credibility the rules of the profession.	١١-١ التصرف بما يعكس الالتزام بالنزاهة والمصداقية والالتزام بقواعد المهنة
1-12 Development of himself academically and professionally and ability of continuous learning.	١٢-١ تنمية ذاته أكاديميا ومهنيا وقادرا على التعلم المستمر

أ - المعرفة والفهم:

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) للدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, the graduate should recall and understand the followings:</i></p> <p>2.1.1 Theories and fundamentals related to the field of Community Medicine and the related fields including Microbiology, Parasitology and behavioral sciences.</p> <p>2.1.2 Mutual influence between professional practice of Public Health and its impacts on the environment.</p> <p>2.1.3 Scientific developments in the field of Research methodology.</p> <p>2.1.4 Moral and legal principles of professional practice in the area of research.</p> <p>2.1.5 Principles and the basics of quality in professional practice for safe health service.</p> <p>2.1.6 Basics and ethics of scientific research.</p>	<p>بإنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج على فهم ودراية بكل من :</p> <p>١-١-٢ النظريات والاساسيات المتعلقة بمجال التعلم وكذا في المجالات ذات العلاقة</p> <p>٢-١-٢-٢ التأثير المتبادل بين الممارسة المهنية وانعكاسها على البيئة</p> <p>٣-١-٢ التطورات العلمية في مجال التخصص</p> <p>٤-١-٢ المبادئ الاخلاقية والقانونية للممارسة المهنية في مجال التخصص</p> <p>٥-١-٢ مبادئ واساسيات الجودة في الممارسة المهنية في مجال التخصص</p> <p>٦-١-٢ اساسيات واخلاقيات البحث العلمي</p>

ب - القدرات الذهنية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) للدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, graduate should be able to:</i></p> <p>2.2.1 Analyze and evaluate the information in the field of Community Medicine and use it to solve Prevailing health problems.</p> <p>2.2.2 Solve specialized problems with the unavailability of some data.</p> <p>2.2.3 Link between the various professional knowledge to solve professional problems related to communicable and non communicable diseases.</p> <p>2.2.4 Conduct a research study or writing a systematic scientific study on a prevailing community or public health problem.</p> <p>2.2.5 Assess risk of a public health problem specially</p>	<p>بإنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :</p> <p>١-٢-٢ تحليل وتقييم المعلومات في مجال التخصص والقياس عليها لحل المشاكل</p> <p>٢-٢-٢ حل المشاكل المتخصصة مع عدم توافر بعض المعطيات</p> <p>٣-٢-٢ الربط بين المعارف المختلفة لحل المشاكل المهنية</p> <p>٤-٢-٢ اجراء دراسة بحثية او كتابة دراسة علمية منهجية حول مشكلة بحثية</p> <p>٥-٢-٢ تقييم المخاطر في الممارسات المهنية في مجال التخصص</p>

<p>among vulnerable groups as maternal and child, geriatric, school children, youth and rural residents.</p> <p>2.2.6 Plan for the development of the performance in the area of Preventive medicine.</p> <p>2.2.7 Make professional decisions in a variety of professional contexts as outbreaks of a communicable disease.</p>	<p>٦-٢-٢ التخطيط لتطوير الاداء فى مجال التخصص</p> <p>٧-٢-٢ اتخاذ القرارات المهنية فى سياقات مهنية متنوعة</p> <p>٣-٢ المهارات المهنية</p>
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ج. مهارات مهنية وعملية :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) للدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, graduate should acquire the followings skills:</i></p> <p>2.3.1 Be proficient in the basic and modern professional alized skills as performing a statistical analysis of data.</p> <p>2.3.2 write and evaluate professional reports.</p> <p>2.3.3 Assess methods and tools existing in the area of community medicine.</p>	<p>بانتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :</p> <p>١-٣-٢ اتقان المهارات المهنية الاساسية والحديثة فى مجال التخصص</p> <p>٢-٣-٢ كتابة وتقييم التقارير المهنية</p> <p>٣-٣-٢ تقييم الطرق والادوات القائمة فى مجال التخصص</p>

د . مهارات عامة و منتقلة :

المعايير الأكاديمية للبرنامج	المعايير القياسية العامة (Generic) للدراسات العليا (درجة الماجستير)
<p><i>By the end of Master program, graduate should be able to:</i></p> <p>2.4.1 Communicate effectively either horizontal and vertical using all communication skills that result in the effective exchange of information.</p> <p>2.4.2 Use of information technology to serve the professional practice as using visual aids for preparing a good presentation .</p> <p>2.4.3 Assess himself and determine his educational needs</p> <p>2.4.4 Use different sources to get information and knowledge.</p> <p>2.4.5 put rules and indicators to assess the performance of others .</p> <p>2.4.6 Work in different professional contexts.</p> <p>2.4.7 Manage time efficiently.</p> <p>2.4.8 Achieve Self and continuous learning to keep himself up to date regarding Public Health issues.</p>	<p>بإنتهاء دراسة برنامج الماجستير يجب ان يكون الخريج قادرا على :</p> <p>١-٤-٢ التواصل الفعال بأنواعه المختلفة</p> <p>٢-٤-٢ استخدام تكنولوجيا المعلومات بما يخدم الممارسة المهنية</p> <p>٣-٤-٢ التقييم الذاتي وتحديد احتياجاته التعليمية</p> <p>٤-٤-٢ استخدام المصادر المختلفة لحصول على المعلومات والمعارف</p> <p>٥-٤-٢ وضع قواعد ومؤشرات تقييم اداء الآخرين</p> <p>٦-٤-٢ العمل فى فريق سياقات كهنية مختلفة</p> <p>٧-٤-٢ ادارة الوقت بكفاءة</p> <p>٨-٤-٢ التعلم الذاتى والمستمر</p>

ملحق ٥

مصفوفة مضاهاة المعايير الأكاديمية للبرنامج و أهداف و نواتج التعلم

أهداف البرنامج	Adopted Academic Standards (مواصفات الخريج)
1.1,1.8,1.9	1-1 Proficiency in the application of the basics and methodologies of scientific research and the use of its various tools.
1.2	1-2 Application of the analytical curriculum and its use in investigating Community and Public health problems.
1.6	1-3 application of the specialized knowledge and its combination with the relevant knowledge in diagnosis and management of public health problems.
1.1,1.2	1-4 Showing an awareness of the current problems in the field of Epidemiology.
1.2	1-5 Identifying professional problems and finding solutions.
1.3,1.4,1.9	1-6 Proficiency of a suitable statistical soft ware skills and the use it to serve his research practice.
1.7	1-7 Effective communication skills either verbal or non verbal and the ability to lead a team work.
1.6	1-8 Decision making in different professional contexts as in Epidemics.
1.3, 1.4	1-9 Employ the available resources to achieve the highest benefit and preservation as employing appropriate technological means, problem solving, efficient use of available resources and decision making skills.
1.5,1.6	1-10 Show awareness of his role in community development and environmental conservation in light of the global and regional changes.
1.5	1-11 Behavior in a manner reflecting commitment to credibility the rules of the profession.
1.7	1-12 Development of himself academically and professionally and ability of continuous learning.

نواتج التعلم المستهدفة للبرنامج											المعايير الأكاديمية للبرنامج المعرفة والفهم
المعرفة و الفهم											
2.a.11	2.a.10	2.a.9	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2	2.a.1	
	√	√	√	√			√	√	√	√	<i>By the end of Master program, the candidate should recognize and understand the followings:</i> 2.1.1 Theories and fundamentals related to the field of Community Medicine and the related fields.
					√						2.1.2 Mutual influence between professional practice of Public Health and its impacts on the environment
							√				2.1.3 Scientific developments in the field of Research methodology
√											2.1.4 Moral and legal principles of professional practice in the area of research.
								√			2.1.5 Principles and the basics of quality in professional practice for safe health service.
√								√			2.1.6 Basics and ethics of scientific research.

نواتج التعلم المستهدفة للبرنامج										المعايير الأكاديمية للبرنامج المهارات الذهنية
Intellectual skills										
2.b.10	2.b.9	2.b.8	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2	2.b.1	
					✓		✓		✓	<p>By the end of Master program, candidate should be able to recognize the followings:</p> <p>2.2.1 Analyze and evaluate the information in the field of Community Medicine and use it to solve Prevailing health problems.</p>
							✓	✓		2.2.2 Solve specialized problems with the unavailability of some data.
		✓	✓	✓			✓		✓	2.2.3 Link between the various professional knowledge to solve professional problems related to communicable and non communicable diseases.
✓	✓		✓					✓	✓	2.2.4 Conduct a research study or writing a systematic scientific study on a prevailing community or public health problem.
		✓				✓				2.2.5 Risk Assessment of a public health problem specially among vulnerable groups as maternal and child, geriatric, school children, youth and rural residents.
				✓						2.2.6 Plan for the development of the performance in the area of Preventive medicine.

					√					2.2.7 Make professional decisions in a variety of professional contexts as outbreaks of a communicable disease.
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نواتج التعلم المستهدفة للبرنامج						المعايير الأكاديمية للبرنامج المهارات المهنية
Practical/Professional skills						
2.c.6	2.c.5	2.c.4	2.c.3	2.c.2.	2.c.1.	
√			√		√	<i>By the end of Master program, candidate should accept the followings skills:</i> 2.3.1 Be proficient in the basic and professional specialized skills as performing statistical analysis of data.
		√		√		2.3.2 write and evaluate professional reports.
	√	√			√	2.3.3 Assess methods and tools existing in the area of community medicine.

نواتج التعلم المستهدفة للبرنامج								المعايير الأكاديمية للبرنامج
General and transferable skill								المهارات العامة والمنتقلة
2.d.8	2.d.7	2.d.6	2.d.5	2.d.4	2.d.3	2.d.2.	2.d.1.	
√		√		√			√	<p>By the end of Master program, candidate should accept the following skills:</p> <p>2.4.1 Communicate effectively either horizontal and vertical using all communication skills that result in the effective exchange of information.</p>
						√		2.4.2 Use of information technology to serve the professional practice as using visual aids for preparing a good presentation .
	√							2.4.3 Self-assessment and determine his educational needs
	√				√			2.4.4 use different sources to get information and knowledge.
		√					√	2.4.5 put rules and indicators to assess the performance of others .
		√		√			√	2.4.6 work in different professional contexts .
			√					2.4.7 manage time efficiently.
	√							2.4.8 Self and continuous learning to keep himself up to date regarding Public Health issues.

ملحق ٦
مصفوفة مضاهاة المقررات مع نواتج التعلم المستهدفة للبرنامج الدراسي

Knowledge & Understanding											ILOs	
2.a.11	2.a.10	2.a.9	2.a.8	2.a.7	2.a.6	2.a.5	2.a.4	2.a.3	2.a.2	2.a.1		
					√						COMM 601	Environmental Health
			√								COMM 602	Basic Nutrition
									√		COMM 603	Microbiology
									√		COMM 604	Parasitology
√											COMM 605	Psychology
√							√				COMM 606	Medical statistics
				√							COMM 607	Demography
									√	√	COMM 608	Epidemiology
	√					√					COMM 609	Health services
		√									COMM 610	Health economics
			√								COMM 611	Nutritional disorders
								√			COMM 612	Administration
√	√	√	√	√	√	√	√	√	√	√	COMM 613	Special Topics

Intellectual Skills										ILOs	
2.b.10	2.b.9	2.b.8	2.b.7	2.b.6	2.b.5	2.b.4	2.b.3	2.b.2	2.b.1	Courses & codes	
									√	COMM 601	Environmental Health
				√						COMM 602	Basic Nutrition
						√	√			COMM 603	Microbiology
						√	√			COMM 604	Parasitology
						√				COMM 605	Psychology
√	√	√	√			√		√	√	COMM 606	Medical statistics
				√						COMM 607	Demography
				√	√	√	√	√	√	COMM 608	Epidemiology
				√						COMM 609	Health services
						√				COMM 610	Health economics
				√		√				COMM 611	Nutritional disorders
					√					COMM 612	Administration
				√		√				COMM 613	Special Topics

Practical & Clinical Skills						ILOs	
2.c.6	2.c.5	2.c.4	2.c.3	2.c.2	2.c.1	Courses &	
		√				COMM 601	Environmental Health
		√				COMM 602	Basic Nutrition
						COMM 603	Microbiology
						COMM 604	Parasitology
		√				COMM 605	Psychology
√		√	√	√	√	COMM 606	Medical statistics
		√				COMM 607	Demography
	√	√				COMM 608	Epidemiology
		√				COMM 609	Health services
		√				COMM 610	Health economics
		√				COMM 611	Nutritional disorders
		√				COMM 612	Administration
		√				COMM 613	Special Topics

General and transferable								ILOs	
2.d.8	2.d.7	2.d.6	2.d.5	2.d.4	2.d.3	2.d.2	2.d.1	Courses & codes	
√	√					√		COMM 601	Environmental Health
	√					√		COMM 602	Basic Nutrition
	√					√		COMM 603	Microbiology
	√					√		COMM 604	Parasitology
	√					√		COMM 605	Psychology
√	√					√		COMM 606	Medical statistics
	√					√		COMM 607	Demography
√	√		√	√		√		COMM 608	Epidemiology
√	√			√		√		COMM 609	Health services
	√					√		COMM 610	Health economics
√	√					√		COMM 611	Nutritional disorders
√	√	√	√	√	√	√	√	COMM 612	Administration
	√					√		COMM 613	Special Topics

- **Program responsible:** Prof. Dr. Soad Darwish Elgendy
- **Head of Department:** Pro Dr. Abdelmoniem Younis Dawah
- **Date:** 8 / 9 / 2013

ملحق ٧: توصيف مقررات البرنامج

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 601

بيانات المقرر
اسم المقرر: Environmental health
الرمز الكودى: COMM 601
التخصص: Public Health ,Preventive and social Medicine
المستوى: First part of master degree
عدد الوحدات الدراسية: ٢ ساعات معتمدة (١ ساعات نظرية + ١ ساعة عملي)

١- هدف المقرر:

1. Obtaining basic & advanced knowledge about local and global environmental health problems.
2. Recognize the meaning of sanitation and pollution
3. Identify different environmental risk factors (physical, chemical and biological risk).
4. Understand the requirement of sanitary environment .
5. Determine global climatic changes and its effect on human health

6. Playing an active role in management of different environmental health problems

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 **Explain** role of environmental hazards, risks on health and discuss the methods of prevention and control of these environmental hazards.
- 2.a.2 **Define** Environment, environmental health & environmental sanitation.
- 2.a.3 **Identify** the components of environmental sanitation.
- 2.a.4 **Discuss** air pollution& air sanitation.
- 2.a.5 **List** the sources of water, the standards of potable water &its hazards.
- 2.a.6 **Discuss** the steps of purification of water.
- 2.a.7 **Describe** the requirements of swimming pools& their health hazards.
- 2.a.8 **Discuss** camp health & health hazards.
- 2.a.9 **Recognize** the sound food &spoiled food.
- 2.a.10 **Describe** the requirements of food sanitation &health hazards of unsanitary food.
- 2.a.11 **Describe** different types of waste and methods of waste disposal.
- 2.a.12 **Discuss** insect & rodent control.

2.b Intellectual Skills

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

- 2.b.1 **Differentiate** between water pollution and contamination
- 2.b.2 **Distinguish** between safe food and spoiled food

2.c Professional and Practical Skill

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

- 2.c.1 **Diagnose** water or food borne epidemic.

- 2.c.2 **Read** scientific report of water analysis.
- 2.c.3 **Assess** environmental risk.
- 2.c.4 **Design** a program for management of different disasters.
- 2.c.5 **Conduct** environmental health surveillance.
- 2.c.6 **Explain** food safety and environmental concerns about food issues.
- 2.c.7 **Participate** in investigation of an epidemic/outbreak as part of a health team

2.d General and Transferable Skills:

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

- 2.d.1 **Communicate** effectively.
- 2.d.2 **Use** the sources of biomedical information and communication technology to remain current with advances in knowledge and practice
- 2.d.3 **Educate** others all issues concerning their health.
- 2.d.4 **Evaluate** self performance and continue to learn.
- 2.d.5 **Use** different sources of data and knowledge.
- 2.d.6 **Work** effectively as a member or a leader of an interdisciplinary team.
- 2.d.7 **Manage** scientific meetings and manage time.

3- محتوى المقرر:

Topics	Lectures	Practical	Total	% of total hours of 1st part
Environmental health Environmental physical hazards Water sanitation Food sanitation Air sanitation Waste disposal Insect& rodent control	15	45	60	40%

٤- أساليب التعليم والتعلم :

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars and thesis discussion
- 4.3 Group discussion
- 4.4 Brain storming

٥- تقويم الطلاب :

- 5.1- **Research assignment:** to assess general transferable skills, intellectual skills.
- 5.2- **Written exams:**
Short essay: to assess knowledge.
- 5.3- **Oral Exams:** to assess knowledge.
- 5.4 Report about one of local community environmental health problem

توزيع الدرجات :

- Written exam 50 % of total marks :50 marks
- Oral exam 25 %:25 marks
- Report 25%:25 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

٦- قائمة الكتب الدراسية والمراجع:

- 6.1 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).
- 6.2 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.3 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.4 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: د/ اميمة محمود

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها
كلية: الطب البشرى
قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 602

بيانات المقرر
اسم المقرر: Basic nutrition
الرمز الكودى: COMM 602
التخصص: Public Health ,Preventive and social Medicine
المستوى: First part of master degree
عدد الوحدات الدراسية: ١ ساعة معتمدة

٢- هدف المقرر:

1. Obtaining basic & advanced knowledge about different nutritional elements.
2. Understand the role of sound nutrition in health promotion .
3. Determine the hazards of food additives
4. Determine the role of therapeutic nutrition in disease management

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Describe basics nutritional requirements of normal adult.

- 2.a.2 Identify the major food groups of the food pyramid.
- 2.a.3 Describe how to make good food choices for health and fitness.
- 2.a.4 List good food sources for the different vitamins and minerals.
- 2.a.5 Describe the role of diet in maintaining health and fitness.
- 2.a.6 Describe relationships between culture, body image and dietary habits for health and fitness.
- 2.a.7 List the benefits of complex carbohydrates and fiber in the diet.

2.b Intellectual Skills

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

- 2.b.1 Interpret accurately food label information.
- 2.b.2 Explain how carbohydrates, proteins, and lipids are used in the body.
- 2.b.3 Calculate the caloric requirements individually according to age ,sex, nature of working.

2.c Professional and Practical Skill

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

- 2.c.1 **Design** a program for prevention of malnutrition.
- 2.c.2 **Assess** the nutritional status of different vulnerable groups.
- 2.c.3 **Estimate** anthropometric measurements.

2.d General and Transferable Skills:

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

- 2.d.1 **Communicate** effectively.
- 2.d.2 **Use** the sources of biomedical information and communication technology to remain current with advances in knowledge and practice
- 2.d.3 **Educate** others all issues concerning their nutrition and health.
- 2.d.4 **Evaluate** self performance and continue to learn.

- 2.d.5 **Use** different sources of data and knowledge.
- 2.d.6 **Work** effectively as a member or a leader of an interdisciplinary team.
- 2.d.7 **Manage** scientific meetings and manage time.

3- محتوى المقرر:

Topics	Lectures	Practical	Total	% of total hours of 1 st part
Basic nutrients <ul style="list-style-type: none"> ▪ Carbohydrates ▪ Fats ▪ Proteins ▪ Vitamins & minerals ▪ Dietary fibers Trace elements Antioxidants Food additives Nutritional assessment Food balance sheet Therapeutic nutrition	15		15	10%

4- أساليب التعليم والتعلم:

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars and thesis discussion
- 4.3 Group discussion
- 4.4 Brain storming

5- تقويم الطلاب:

- 5.1- **Research assignment:** to assess general transferable skills, intellectual skills.
- 5.2- **Written exams:**
- Short essay: to assess knowledge.
- 5.3- **Oral Exams:** to assess knowledge.

توزيع الدرجات :

- Written exam 60 % of total marks :50 marks
- Oral exam 40 % :25 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.5 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.6 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.7 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.8 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: أ.د. ربة عبد الهادي

رئيس القسم: أ.د. عبد المنعم يونس ضوة

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM603

بيانات المقرر
اسم المقرر: Microbiology
الرمز الكودى: COMM 603
التخصص: Public Health ,Preventive and social Medicine
المستوى: First part of master degree
عدد الوحدات الدراسية: 1.5 ساعة معتمدة (١ ساعة نظرى + 0.5 ساعة عملى)

١-هدف المقرر:

1. Identify the basic features of general bacteriology, virology, and mycology
2. Know causes and diagnosis of infectious diseases
3. Define pathogenicity of important organisms from public health point of view.
4. Understand structure and functions of the immune system
5. Understand different immune responses to vaccination
6. Evaluate risks imposed during professional practice and apply sterile, safe techniques and infection control guidelines according to international principles.

7. To provide the student with skills essential for the appropriate specimen collection for diagnosis of bacterial, viral and fungal infections.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 **Illustrate** structure of bacteria and virus.
- 2.a.2 **List** antimicrobial chemotherapy and describe the mechanism of action, resistance and side effects.
- 2.a.3 **Describe** the most important methods of decontamination, sterilization and principles of infection control.
- 2.a.4 **Classify** microbial organisms causing infectious diseases and outline the methods of microbiological and serological diagnosis, of organisms causing such diseases
- 2.a.5 **Describe** different types of hypersensitivity reactions

2.b Intellectual Skills

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

- 2.b.1 Differentiate between microorganisms according to their shape, staining and pathogenicity.

2.c Professional and Practical Skill

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

- 2.c.1 **Use** microscopic examination to identify medically important bacteria based on stained preparations.
- 2.c.2 **Identify** a Gram stain and a Ziehl-Neelsen stain.
- 2.c.3 **Choose** commonly used culture media, and serological tests for diagnosis of diseases.

2.c.4 **Apply** various sterilization processes and simple infection control measures

2.c.5 **Write** and evaluate medical reports

.2.d General and Transferable Skills:

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

2.d.1 **Respect** patients' rights and involve them and /or their caretakers in management decisions.

2.d.2 **Upgrade** knowledge and practice by continuous learning and seeking recent advances in diagnosis and treatment of various conditions from different information sources

2.d.3 **Respect** the role and the contributions of other health care professionals regardless their degrees or rank (top management, subordinate or colleague) and evaluate their performance.

2.d.4 **Conduct** counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families .

3- محتوى المقرر:

Topics	Lectures	Practical	Total	% of total hours of 1 st part
General bacteriology <ul style="list-style-type: none">• Structure of bacteria• Disinfection and Sterilization General virology <ul style="list-style-type: none">• Antimicrobial• Structure of virus,	3	11	14	42.6
Clinical microbiology <ul style="list-style-type: none">• Gastrointestinal Infections and Food Poisoning• Mycobacterial infections• Infections of the Liver• Sexually transmitted diseases	7	11.5	18.5	44

<ul style="list-style-type: none"> • HIV Infection and Retroviral Diseases • Infection of Throat and pharynx (sore throat and pharyngitis) • Anthrax and brucella 				
Immunology <ul style="list-style-type: none"> • General immunology • Hypersensitivity reactions 	5	-	5	5
Total	10	22.5	37.5	100

٤- أساليب التعليم والتعلم :

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars
- 4.3 Group discussion
- 4.4 Brain storming

٥- تقويم الطلاب :

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

5.3 Practical Exam: to assess practical skills

توزيع الدرجات :

- Written exam 50 % of total marks :25 marks
- Oral exam 30 % :15 marks
- Practical exam 20%: 10 marks

طرق اخرى للتقييم بدون درجات

- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

1. **Abu I K. Abbas & Andrew H. Lichtman (2005):** Basic immunology, Functions and disorders of the immune system. 2nd edition, SAUNDERS, An Imprint of Elsevier Science
2. **Jawetz, Melnick and Adelberg's Medical Microbiology 26th Edition .** 2013 by The McGraw-Hill Companies, Inc
3. **Daniel P. Stites and G. Barslow,** (2001), Medical immunology Appleton and Lange.
4. Periodics: http://www.microbe.org/microbes/virus_or_bacterium.asp
<http://www.bact.wisc.edu/Bact330/330Lecturetopics>

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم سبتمبر ٢٠١٣
المسئول عن المقرر: أ.د سوسن عبد الرحمن
رئيس القسم: أ.د وفاء المسلمي

جامعة: بنها
كلية: الطب البشرى
قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM604

بيانات المقرر
اسم المقرر: Medical Parasitology
الرمز الكودى: COMM 604
التخصص: Public Health ,Preventive and social Medicine
المستوى: First part of master degree
عدد الوحدات الدراسية: 1.5 ساعة معتمدة (١ ساعة نظرى + 0.5 ساعة عملى)

١-هدف المقرر:

1. Achieve national and international standing in the field of medical parasitology
2. Focus on applied clinical parasitology, diagnosis ,prevention and control of different parasitic diseases
3. Be aware of basic epidemiological and environmental factors in relation to parasitic infections with special emphasis on local endemic diseases.
4. Sharing in campaigns to solve any emerging problem in the community.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Describe parasitic nomenclature, geographical distribution of different host and parasitic zoonosis.
- 2.a.2 Identify the basic concepts and principles of parasitism
- 2.a.3 Recognize pathology, pathogenesis, clinical pictures and host parasite relationship.
- 2.a.4 Illustrate morphology, life cycle of different parasites.
- 2.a.5 Classify different parasitic infection
- 2.a.6 Understand diagnostic methods, treatment, prevention and control of parasitic infections.
- 2.a.7 Follow the scientific advance in the field of practice
- 2.a.8 Know quality standards of practice
- 2.a.9 Follow ethics of research.

2.b Intellectual Skills

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

- 2.b.1 Analyze any given data in laboratory report or case study and relate it to the causative agent.
- 2.b.2 Interpret the most important signs and symptoms of important parasitic infection.
- 2.b.3 Integrate different information to solve parasitological problems
- 2.b.4 Conduct scientific research
- 2.b.5 Evaluate the risk imposed during practice.
- 2.b.6 Plan for professional improvement in the field of parasitology

2.c Professional and Practical Skill

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

- 2.c.1 Perform different methods of urine, stool examination , thin and thick blood films and some staining procedures.
- 2.c.2 Handle laboratory equipments safely.
- 2.c.3 Write and appraise reports
- 2.c.4 Evaluate methods and tools used in specialty

2.d General and Transferable Skills:

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

- 2.d.1 Respect patients' rights and involve them and /or their caretakers in management decisions.
- 2.d.2 Upgrade knowledge and practice by continuous learning and seeking recent advances in diagnosis and treatment of various conditions from different information sources
- 2.d.3 Respect the role and the contributions of other health care professionals regardless their degrees or rank (top management, subordinate or colleague) and evaluate their performance.
- 2.d.4 Conduct counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families.
- 2.d.5 Share in determination of standards of practice

3- محتوى المقرر:

Topics	Lectures	Practical	Total	% of total hours of 1 st part
Helminthology	4	4	8	
Protozoology	4	4	8	
Medical Entomology	3	4	7	

Immunoparasitology	1	1	2	
Diagnostic techniques	1	2	3	
Applied parasitology	2	-	2	
Total	10	22.5	32.5	100

٤- أساليب التعليم والتعلم :

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars
- 4.3 Group discussion
- 4.4 Brain storming

٥- تقويم الطلاب :

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

5.3 Practical Exam: to assess practical skills

توزيع الدرجات :

- Written exam 50 % of total marks :25 marks
- Oral exam 30 % :15 marks
- Practical exam 20%: 10 marks

طرق اخرى للتقييم بدون درجات

- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

- 6.1 Medical parasitology lecture notes authorized by the department
- 6.2 Parasitology atlas
- 6.3 CD for practical course
- 6.4 Manson tropical disease, Cook GC(ed)21th edition. London: WB Saunders, 2003.

6.5 Websites: [http: WWW.epu-eg.com](http://WWW.epu-eg.com)

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده فى مجلس القسم ٢٠١١-١-٤

المسئول عن المقرر: أ.د كريم ابو الفتوح

رئيس القسم: أ.د امانى الفكهاى

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM605

بيانات المقرر
اسم المقرر: Neuropsychiatry
الرمز الكودى: COMM 605
التخصص: Public Health ,Preventive and social Medicine
المستوى: First part of master degree
عدد الوحدات الدراسية: 1 ساعة معتمدة

١-هدف المقرر:

1. Basic scientific knowledge of methods of scientific research.
2. Continue scientific work to add to the branch.
3. Scientifically analyze and criticize knowledge in psychiatry and related branches.
4. Integrate scientific knowledge in psychiatry and related branches to detect and develop relations between them.
5. Determine the professional problems and finding new solutions for it.
6. Adopt professional skills.
7. Develop new methods and tools for practice.
8. Use appropriate technology for practice.

9. Appropriately communicate and lead teamwork in different professional fields.
10. Make decisions using the available data.
11. Utilize of the available resources appropriately and find new sources.
12. Continue self development and transferring knowledge and experiences to others

2-Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 know basics knowledge in psychiatric issues related to community medicine
- 2.a.2 Discuss different type of leadership
- 2.a.3 Identify the meaning and methods of motivating others
- 2.a.4 Describe the causes of aggression and how to prevent aggressive attitude

2.b Intellectual Skills

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

- 2.b.1 Compare between different leadership models
- 2.b.2 Explain the causes of aggressive attitude
- 2.b.3 Conduct scientific research
- 2.b.4 Evaluate the risk of mental disorders.
- 2.b.5 Plan for professional improvement in the field of public health using motivation theories

2.c Professional and Practical Skill

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

Not found

.2.d General and Transferable Skills:

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

- 2.d.1 Communicate effectively with staff and colleagues.
- 2.d.2 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.
- 2.d.3 Use different sources of data and knowledge.
- 2.d.4 Work effectively as a member or a leader of an interdisciplinary team.
- 2.d.5 Establish effective interpersonal relationship to communicate ideas and arguments
- 2.d.6 Continue self learning and self evaluation to improve practice.

3- محتوى المقرر:

Topics	Lectures	Practical	Total	% of total hours of 1st part
Leadership Motivation Aggression Communication skills	15	-	15	10%

٤- أساليب التعليم والتعلم :

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars
- 4.3 Group discussion
- 4.4 Brain storming

٥- تقويم الطلاب :

5.1- Written exams:

Short essay: to assess knowledge.
5.2- **Oral Exams:** to assess knowledge.

توزيع الدرجات :

- Written exam 50 % of total marks : ٥٠ marks
- Oral exam ٥٠ % : 50 marks

طرق اخرى للتقييم بدون درجات

- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.1 Lectures notes prepared by the staff

6.2 Kaplan's Textbook of Psychaitry(2009)

6.3 American Psychiatry Journal

6.4 www.Sciencedirect.com
www.pubmed.com

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم سبتمبر ٢٠١٣

المسئول عن المقرر: أ.د احسان فهمي

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 606

بيانات المقرر
اسم المقرر: Epidemiological studies and medical statistics.
الرمز الكودى: COMM 606
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: ٢ ساعات معتمدة (١ ساعات نظرية + ١ ساعة عملي)

١-هدف المقرر:

1. To equip the student with Principles of Biostatistics, types of data, methods of presentation of data, types of Epidemiological studies, Sampling, statistical methods& research methods.
2. To provide the student with the knowledge and skills necessary to practice statistical analytical methods and research methods
3. To enable the student to evaluate the health problems.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Describe the basics of Principles of Biostatistics, types of data, methods of presentation of data, types of Epidemiological studies, Sampling, statistical methods and research methods.
- 2.a.2 Define vital rates including fertility, morbidity, and mortality rates, both crude and specific.
- 2.a.3 Explain the usefulness of screening tests, and calculate sensitivity, specificity, and predictive values.
- 2.a.4 Define the screening tests pertinent to selected diseases and the at-risk approach in the application of screening tests.
- 2.a.5 Describe the study design, uses, and limitations.
- 2.a.6 Define clinical epidemiology and its basic components and measure disease risk factors.
- 2.a.7 Define the sources of data, methods of collection, sampling techniques and advantages of sampling.

2.b Intellectual Skills

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

- 2.b.1 Choose suitable methods for conducting research.
- 2.b.2 Choose suitable methods for analysis of data.
- 2.b.3 Calculate, and interpret vital rates including fertility, morbidity, and mortality rates, both crude and specific, and be able to compare between populations through the use of adjusted / standardized rates.
- 2.b.4 Summarize data, construct tables and graphs.
- 2.b.5 Calculate measures of central tendency dispersion and describe the normal curves and its uses.

2.b.6 Interpret selected tests of significance and the inferences obtained from such tests.

2.c Professional and Practical Skill

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

2.c.1 Communicate clearly, sensitively and effectively with patients and their relatives and colleagues from a variety of health and social care professions.

2.c.2 Conduct proper counseling practices to provide appropriate basic research methods.

2.c.3 Respect the role of others, superiors, colleagues and all members of the health profession

2.c.4 Conduct different types of surveys.

2.c.5 Develop hypothesis & test it.

2.c.6 Apply the principles of statistical methods for collection, presentation & analysis of all types of data.

2.d General and Transferable Skills:

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

2.d.1 Establish life-long self-learning required for continuous professional development.

2.d.2 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

2.d.3 Retrieve, manage, and manipulate information by all means, including electronic means.

2.d.4 Present information clearly in written, electronic and oral forms.

2.d.5 Conduct counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families.

2.d.6 Establish effective interpersonal relationship to Communicate ideas and arguments.

2.d.7 Engage in evidence based discussion.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Types of data	1	2	3
Collection of data: <ul style="list-style-type: none"> ▪ Sampling ▪ Screening ▪ Survey ▪ Epidemiological studies 	1	2	3
Summarization of data: <ul style="list-style-type: none"> ▪ Measures of central tendency ▪ Measures of dispersion 	1	2	3
Presentation of data: <ul style="list-style-type: none"> ▪ Tabular presentation ▪ Graphic presentation ▪ Mathematical presentation 	1	2	3
Normal distribution curve	1	2	3
Confidence interval	1	2	3
Hypothesis testing	1	2	3
Analysis of data & tests of significance: <ul style="list-style-type: none"> ▪ Parametric tests of significance(Z-test, paired T-test, Unpaired T- test, Chi square test, analysis of variance) ▪ Correlation ▪ Regression 	3	6	9

▪ Non parametric tests			
Risk assessment	1	2	3
Meta-analysis	1	2	3
Vital rates	1	2	3
Ethics of research	1	2	3
Evidence based medicine	1	2	3
Total	15 hrs.	30 hrs.	45

٤- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

٥- تقويم الطلاب :-

5.1- **Written exams:**

Short essay: to assess knowledge.

5.2- **Oral Exams:** to assess knowledge.

5.3 problem solving exam

توزيع الدرجات :

- Written exam 40 % of total marks :50 marks
- Oral exam 20 %:25 marks
- Practical exam 40%:50 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.9 Basic materials like Department notebook: *Handouts* of the staff

member in the department (2012-2013).

6.1 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.2 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.3 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: د/ رشا شاكر

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 607

بيانات المقرر
اسم المقرر: Demography
الرمز الكودى: COMM 607
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: 1 ساعات معتمدة

١-هدف المقرر:

1. Knowledge of concept of demography, demographic features of the population, population distribution & demographic transition.
2. Awareness of the most prominent national problem concerning health, education, housing & Food supply.
3. Knowledge of different methods of population estimation.
4. Making comparison between developing & developed countries concerning population pyramid Life Expansion.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Know basics and advanced knowledge in demography.
- 2.a.2 Understand the basics of population estimation and its different tools.
- 2.a.3 Know over -population problem and available solutions.
- 2.a.4 Define vital rates including fertility rates.

2.b Intellectual Skills

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

- 2.b.1 Analyze and evaluate scientific basic knowledge about his community and its problems and to do conclusions from it.
- 2.b.2 Calculate and interpret vital rates including fertility and be able to compare between populations through the use of adjusted / standardized rates.
- 2.b.3 Solve public problems related to population, making use of the available data.

2.c Professional and Practical Skill

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

- 2.c.1 Adopt basic and new skills in public health field.
- 2.c.2 Evaluate and develop the used methods in the field of public health.
- 2.c.3 Draw population pyramid of different communities.
- 2.c.4 Use technological methods in professional practice.
- 2.c.5 Plan to solve overpopulation problem and to create public awareness of this problem.

2.d General and Transferable Skills:

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

- 2.d.1 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

2.d.2 Work effectively as a member or a leader of an interdisciplinary team

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	Total
Definition of demography& methods of population estimation	3	-	3
Population pyramid	3	-	3
Demographic transition	3	-	3
Fertility indices	3	-	3
Overpopulation	3	-	3
Total	15 hrs.		15

4- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

5- تقويم الطلاب :-

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات :

- Written exam ٦0 % of total marks :50 marks
- Oral exam ٤0 %:25 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

- 6.4 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).
- 6.5 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.
- 6.6 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology
- 6.7 Periodicals, Web sites, etc:
- WHO.int.com
 - Pub. Med
 - Google
 - Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: أ.د / هالة الهادي

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها
كلية: الطب البشرى
قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 608

بيانات المقرر
اسم المقرر: Epidemiology
الرمز الكودى: COMM 608
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: ٤ ساعات معتمدة (٣ ساعة نظرية + ١ ساعة عملى)

١-هدف المقرر:

1. Knowledge of the concept of epidemiology, scope & applications.
2. Identification of different modes of transmission & pattern of spread of diseases.
3. Identification of different levels of prevention of diseases.
4. Using epidemiological approach in managing different health problems.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Define epidemiology, ecology& epidemiological triad.

- 2.a.1 Describe immunity and its types.
- 2.a.2 Identify the concept of herd immunity.
- 2.a.3 Know the different types of vaccines & toxoids and methods of storage.
- 2.a.4 Describe the schedule of immunization among children.
- 2.a.5 Describe the pattern of spread of infectious diseases in the community.
- 2.a.6 List the preventive & control measures of different diseases.
- 2.a.7 Know the Endemic diseases affecting the community.
- 2.a.8 Recognize the meaning of surveillance, importance & uses.
- 2.a.9 Identify different risk factors of non communicable diseases & methods of prevention.

2.b Intellectual Skills

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

- 2.b.1 Select the most appropriate measurement for prevention & control of certain disease.
- 2.b.2 Set priorities in managing health problems of the community.
- 2.b.3 Trace sources & channels of infections.
- 2.b.4 Anticipate and participate in investigation of an epidemic/outbreak as part of a health team
- 2.b.5 Apply preventive measurements of different diseases.
- 2.b.6 Educate others & counsel them about methods of prevention.

2.c Professional and Practical Skill

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

- 2.c.1 Communicate clearly, sensitively and effectively with patients and their relatives, and colleagues from a variety of health and social care professions.
- 2.c.2 Conduct proper counseling practices to provide appropriate basic research methods.
- 2.c.3 Respect the role of others, superiors, colleagues .
- 2.c.4 Conduct Surveillance for diseases of certain importance.
- 2.c.5 Develop solutions for different health hazards affecting the community.
- 2.c.6 Application of preventive measures like vaccines.
- 2.c.7 Evaluate prevention & control programs.
- 2.c.8 Draw epidemic curve.

2.d General and Transferable Skills:

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

- 2.d.1 Acquired some of health education, communication and life skills.
- 2.d.2 Conduct counseling sessions for prevention & control of different conditions for healthy individuals, for patients as well as their families
- 2.d.3 Establish effective interpersonal relationship to Communicate ideas and arguments.
- 2.d.4 Engage in evidence based discussion.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
General epidemiology	6	4	10

Air borne infection	6	4	10
Food borne infections	6	4	10
Contact infections	6	4	10
Arthropod borne infections	6	4	10
New vaccines	2.5	3	5.5
Epidemiology of non communicable diseases	5	4	9
Health education	2.5	3	5.5
Total	45 hrs.	30 hrs.	75

٤- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

٥- تقويم الطلاب :-

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات :

- Written exam 75 % of total marks :75 marks
- Oral exam 25 %:25 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.8 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.9 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.10 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.11 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: أ.د / ايمان البيطار

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 609

بيانات المقرر
اسم المقرر: Health services
الرمز الكودى: COMM 609
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: ٤ ساعات معتمدة (٣ ساعة نظرية + ١ ساعة عملى)

١-هدف المقرر:

1. Knowledge of the definition of primary health care, its principles & elements.
2. Awareness of the meaning of community participation & its importance.
3. Recognition of health problems of females in childbearing period & how to develop a program for improving maternal health.
4. Knowledge of child health problems & how to solve it.
5. Knowledge of health problems of school children& how to manage it.
6. Determination of the most important health problems facing the rural community & trying to find solutions.
7. Recognition of geriatric health problem & how to manage it.

8. Identification of some occupational health problems & occupational safety measures.
9. Being able to develop a health service program.
10. Having the basic knowledge to evaluate the performance of health program.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Know the concept of primary health care, principles & elements.
- 2.a.2 Recognize different vulnerable groups in the community, their health problems & their needs.
- 2.a.3 Recognize morals and laws needed for practice.

2.b Intellectual Skills

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

- 2.b.1 Design a program for health care of different vulnerable groups.
- 2.b.2 Setting goals & SMART objectives.
- 2.b.3 Develop vision & mission for the program.
- 2.b.4 Allocating resources for better utilization of it.
- 2.b.5 Develop indicators for evaluation of performance of the program.

2.c Professional and Practical Skill

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

- 2.c.1 Evaluate and develop the used methods in the field of public health.
- 2.c.2 Use technological methods in professional practice.
- 2.c.3 Plan to improve professional performance and develop others' performance.
- 2.c.4 Make a proper decision & using resources efficiently.

- 2.c.5 Evaluate the performance of health program.
- 2.c.6 Work as a member /leader of a team (staff management).

2.d General and Transferable Skills:

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

- 2.d.1 Apply appropriate communication strategies for use with clients, the health care team, and the community.
- 2.d.2 Manage Time effectively.
- 2.d.3 Motivating others toward achievement of objectives.
- 2.d.4 Use available resources efficiently.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Primary health care, principles & elements	7.5	3	10.5
Reproductive health	7.5	3	10.5
Maternal health	7.5	4	11.5
Child health	7.5	4	11.5
School health	7.5	4	11.5
Rural health	7.5	4	11.5
Geriatric health	7.5	4	11.5
Occupational health	7.5	4	11.5
Total	60 hrs.	30 hrs.	90

4- أساليب التعليم والتعلم:

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars and thesis discussion
- 4.3 Group discussion

4.4 Brain storming

٥ - تقويم الطلاب :

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات :

- Written exam 60 % of total marks :٦٠ marks
- Oral exam 40 %:٤٠ marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6 - قائمة الكتب الدراسية والمراجع:

6.12 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.13 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.14 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.15 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: أ.د / اسامة واصف

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها

كلية: الطب البشرى

قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 610

بيانات المقرر
اسم المقرر: Health economics
الرمز الكودى: COMM 610
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: 1 ساعات معتمدة

١-هدف المقرر:

1. Obtaining simplified Knowledge of health economics.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Understand the principles of economic evaluation as applied to health care.
- 2.a.2 Understand the principles of efficiency.
- 2.a.3 Understand the principles of cost benefit & cost effectiveness.
- 2.a.4 Discuss disease burden (DALYs & QALYs).

2.a.5 Know the concept of utilization management.

2.b Intellectual Skills

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

2.b.1 Evaluate costs of health care program.

2.b.2 Apply the concepts of efficiency.

2.c Professional and Practical Skill

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

2.c.1 Read & interpret reports concerning cost of health care.

2.c.2 Plan for health care according to the available resources.

2.c.3 Reallocate the resources to meet the deficiency of financial resources

.2.d General and Transferable Skills:

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

2.d.1 Communicate effectively.

2.d.2 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.

2.d.3 Educate others all issues concerning their health.

2.d.4 Evaluate self performance and continue to learn.

2.d.5 Use different sources of data and knowledge.

2.d.6 Work effectively as a member or a leader of an interdisciplinary team.

2.d.7 Manage scientific meetings and manage time.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Introduction of health economics	3		3
Burden of diseases: <ul style="list-style-type: none">▪ DALYs▪ QALYs	3		3
Cost analysis: <ul style="list-style-type: none">▪ Cost benefit▪ Cost effectiveness	3		3
Utilization management	6		6
Total	15 hrs.		

4- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

5- تقويم الطلاب :-

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات :

- Written exam 60 % of total marks :25 marks
- Oral exam 40 %: 12.5 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

- 6.1 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).
- 6.2 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.
- 6.3 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology
- 6.4 Periodicals, Web sites, etc:
- WHO.int.com
 - Pub. Med
 - Google
 - Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسئول عن المقرر: أ.د / سهاد عبد العزيز

رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة: بنها
كلية: الطب البشرى
قسم : الصحة العامة والطب الوقائى والاجتماعى

توصيف مقرر: COMM 611

بيانات المقرر
اسم المقرر: Nutritional health problems
الرمز الكودى: COMM 611
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: 1.5 ساعات معتمدة (١ ساعة نظرى + 0.5 عملى)

١-هدف المقرر:

1. Having the basic knowledge about different nutritional disorders.
2. Being able to diagnose malnutrition.
3. Prevention & control of malnutrition.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Know basics and advanced knowledge about malnutrition.
- 2.a.2 Identify the major malnutrition disorders.
- 2.a.3 Identify symptoms & signs of malnutrition.

- 2.a.4 Recognize the relation between infection & malnutrition.
- 2.a.5 Describe the role of host, Agent & environmental factors in occurrence of malnutrition.
- 2.a.6 Describe relationships between culture, body image and dietary habits for health and fitness.
- 2.a.7 List the prevention & control measures for every disease.

2.b Intellectual Skills

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

- 2.b.1 Explain how unhealthy food & lifestyle could predispose to malnutrition.
- 2.b.2 Explain food safety and environmental concerns about food issues.

2.c Professional and Practical Skill

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

- 2.c.1 Design a prevention & control program for malnutrition.
- 2.c.2 Prepare a balanced diet for those having malnutrition.
- 2.c.3 Calculate the body mass index to diagnose obesity.

2.d General and Transferable Skills:

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

- 2.d.1 Communicate effectively.
- 2.d.2 Use the sources of biomedical information and communication technology to remain current with advances in knowledge and practice.
- 2.d.3 Educate others all issues concerning their health.
- 2.d.4 Evaluate self performance and continue to learn.

- 2.d.5 Use different sources of data and knowledge.
- 2.d.6 Work effectively as a member or a leader of an interdisciplinary team.
- 2.d.7 Manage scientific meetings and manage time.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Protein energy malnutrition: <ul style="list-style-type: none"> ▪ Marasmus ▪ Kwashiorkor 	3	3	٦
Vitamin deficiency : <ul style="list-style-type: none"> ▪ Vit. A deficiency ▪ Vit. D deficiency 	3	3	٦
Anaemias: <ul style="list-style-type: none"> ▪ Iron deficiency anaemia ▪ Megaloblastic anaemia 	3	3	٦
Dental caries	2	2	٤
Obesity	2	2	٤
Osteoporosis & osteomalachia	2	2	٤
Total	15 hrs.	15 hrs.	٣٠

٤- أساليب التعليم والتعلم :

- 4.1 Modified lectures
- 4.2 Attending the department scientific seminars and thesis discussion
- 4.3 Group discussion
- 4.4 Brain storming

٥ - تقويم الطلاب : -

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات:

- Written exam 50 % of total marks :25 marks
- Oral exam 50 %:25 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6 - قائمة الكتب الدراسية والمراجع:

6.1 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.2 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.3 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.4 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده فى مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣
المسنول عن المقرر: أ.د / رانيا حمدى
رئيس القسم: أ.د عبد المنعم يونس ضوة

جامعة بنها
كلية: الطب البشرى
قسم : الصحة العامة

توصيف مقرر: COMM 612

بيانات المقرر
اسم المقرر: Health services administration
الرمز الكودى: COMM 612
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: 1.5 ساعات معتمدة (١ ساعة نظرى + 0.5 عملى)

١-هدف المقرر:

1. Application all administrative components (plan, implement and evaluate) to solve health problems according to their priorities throughout effective programs and health services.
2. Improving the performance of provided health services.
3. Ensuring the principle of quality.
4. Acquiring the different tool of quality in order to participate in quality management of health care organization.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

2.a.1 know basics and advanced knowledge in administration of health services.

2.a.2 Understand quality basics for practice.

2.a.3 Define the priority in solving health problems

2.b Intellectual Skills

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

2.b.1 Plan for developing performance in this field.

2.b.2 Make decisions according to situations.

2.b.3 Innovate in public health practices.

2.b.4 Engage in evidence based discussion.

2.c Professional and Practical Skill

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

2.c.1 Evaluate and develop the used methods in the field of public health.

2.c.2 Use technological methods in professional practice.

2.c.3 Plan to improve professional performance and develop others' performance.

2.c.4 Make a proper decision & using resources efficiently.

2.c.5 Evaluate the performance of health program.

2.c.6 Setting priorities & develop SMART Objectives.

2.c.7 Work as a member /leader of a team (staff management)

2.d General and Transferable Skills:

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

2.d.1 Apply appropriate communication strategies for use with clients, the health care team, and the community.

2.d.2 Manage Time effectively.

2.d.3 Lead others toward achievement of objectives.

2.d.4 Use available resources efficiently.

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Planning	2	2	٤
Organization	2	2	٤
Staffing	1	1	٢
Direction & Controlling	1	1	٢
Reporting& budgeting	1	1	٢
Evaluation	2	2	٤
Quality assurance	1	1	٢
Total quality management	1	1	٢
Hospital administration	2	2	٤
Communication	1	1	٢
Leadership	1	1	٢
Total	15 hrs.	15 hrs.	٣٠

٤- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

٥- تقويم الطلاب :-

5.1- **Written exams:**

Short essay: to assess knowledge.
5.2- Oral Exams: to assess knowledge.

توزيع الدرجات:

- Written exam 60 % of total marks :25 marks
- Oral exam 40 %:12.5 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.1 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.2 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.3 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.4 Periodicals, Web sites, etc:

- WHO.int.com
- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣
المسنول عن المقرر: أ.د. / ايمان محمد عربى
رئيس القسم: أ.د. عبد المنعم يونس ضوة

توصيف مقرر: COMM 613

بيانات المقرر
اسم المقرر: Recent topics related to public health
الرمز الكودي: COMM 613
التخصص: Public Health ,Preventive and social Medicine
المستوى: Second part of master degree
عدد الوحدات الدراسية: 1.5 ساعات معتمدة (١ ساعة نظري + 0.5 عملي)

١-هدف المقرر:

1. Being up-to-date with all issues of Community medicine.

2- Intended learning outcomes (ILOs):

2.a Knowledge and understanding:

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

- 2.a.1 Demonstrate a high level of knowledge about Public health & community medicine .
- 2.a.2 Demonstrate a high level of knowledge pertaining to specialist community medicine;
- 2.a.3 Draw on global developments within public health and their area of specialization and use this understanding in developing innovative practice

2.b Intellectual Skills

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

- 2.b.1 Integrate theory with practice and explore differing relationships between theory and practice in public health.
- 2.b.2 Evaluate the effectiveness of interventions against planned outcomes and implement amended interventions as necessary;
- 2.b.3 Evaluate published research and other evidence based materials;
- 2.b.4 Identify scope for community and practice development, health education and promotion activities and plan appropriate interventions;
- 2.b.5 Apply epidemiologic skills in a public health setting, specifically in the formulation or application of public health programs or policies
- 2.b.6 Identify trends in health and disease including epidemiological causes of high prevalence of certain infections , causes of eradication , emerging or reemerging previous infections world-wide and in Egypt.

2.c Professional and Practical Skill

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

- 2.c.1 Critically evaluate and synthesize health information and data in order to make sound and effective judgments, in complex situations, relating to health needs and risks in individuals, groups, communities and populations.
- 2.c.2 Critically evaluate health and social policy in order to lead consequent development of local policy and practice.
- 2.c.3 Critically appraise the evidence base for practice through review of literature and identify implications.
- 2.c.4 Utilize theoretical frameworks to respond effectively and creatively as clinical decision makers, managing complex and sometimes contradictory, theories and perspectives.
- 2.c.5 Critically analyze theoretical concepts, models & Synthesizing this knowledge to inform and advance practice.

2.c.6 Critically evaluate theories and concepts influencing effective leadership in order to motivate, delegate, supervise and facilitate the work of team members across the public health continuum.

2.c.7 Critically analyze and integrate knowledge of professional and ethical dilemmas in order to advance the practice of promoting health and well being.

2.c.8 Critically evaluate reflective practice in order to challenge and enhance personal and professional growth and development.

2.d General and Transferable Skills:

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

2.d.1 Demonstrate advanced communication and excellent interpersonal skills

2.d.2 Utilize health informatics to interpret data and appropriately apply this to practice.

2.d.3 Demonstrate advanced practice within a framework of professional accountability and responsibility.

2.d.4 Develop and apply evidence based practice and problem solving approaches in order to lead and provide excellence.

2.d.5 Further develop learning skills in order to promote and enhance Continuing professional development for self and others

3- محتوى المقرر:

Topics	Hours of Lectures	Practical/Tutorial	total
Planning	2	2	٤
Organization	2	2	٤
Staffing	1	1	٢
Direction & Controlling	1	1	٢
Reporting& budgeting	1	1	٢

Evaluation	2	2	٤
Quality assurance	1	1	٢
Total quality management	1	1	٢
Hospital administration	2	2	٤
Communication	1	1	٢
Leadership	1	1	٢
Total	15 hrs.	15 hrs.	٣٠

٤- أساليب التعليم والتعلم :

4.1 Modified lectures

4.2 Attending the department scientific seminars and thesis discussion

4.3 Group discussion

4.4 Brain storming

٥- تقويم الطلاب :-

5.1- Written exams:

Short essay: to assess knowledge.

5.2- Oral Exams: to assess knowledge.

توزيع الدرجات:

- Written exam 50 % of total marks :50 marks
- Oral exam 50 %:50 marks

طرق اخرى للتقييم بدون درجات

- Seminars preparation
- Log book
- Attendance and absenteeism

6- قائمة الكتب الدراسية والمراجع:

6.1 Basic materials like Department notebook: *Handouts* of the staff member in the department (2012-2013).

6.2 Essential books (text books) like *Khalil IF, 1999*: Biostatistics, Cairo University and *Maxcy RL, 2008*: Public health and preventive medicine.

6.3 Recommended books like statistics made easy, statistics at a glance and clinical epidemiology

6.4 Periodicals, Web sites, etc:

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- Pub. Med
- Google
- Science direct

٧ - الإمكانيات المطلوبة للتعليم والتعلم

- Adequate infrastructure including teaching rooms, comfortable desks.
- Teaching tools including screen, smart board , computer and data show.

تمت مناقشة التوصيف واعتماده في مجلس القسم رقم (٢٤٤) بتاريخ ٨-٩-٢٠١٣

المسنول عن المقرر: أ.د / سعاد درويش

رئيس القسم: أ.د عبد المنعم يونس ضوة