University of Tripoli

Faculty of Medicine

Family and community medicine department

Master degree in Community Medicine

2023

Academic requirements for the Master degree in Community Medicine

1. General information:

1	Academic institution	University of Tripoli
2	Faculty	Faculty of Medicine
3	Department that offer the program	Family and Community Medicine department
4	Name of the program	Master in Community Medicine
5	Credits hours	31 credit
6	Language used in the educational process	Arabic and English
7	Date of accreditation	2023
8	Institution that accredited the program	Ministry of Higher Education and Scientific Research

2. Programme objectives:

At the end of the program, the candidate able to:

1. Apply concepts of community medicine in identification of health determinants, disease causation, prevention and control.
2. Conduct epidemiological studies and appropriate statistical analysis to identify causes and risk factors of common health problems in the community; evaluating the interventions and predicting future health needs.
3. Provide health care services that include health promotion, disease prevention, early diagnosis, treatment and rehabilitation
4. Apply health management functions and skills in planning, organizing, implementing, and evaluating health care programs while working as a health team and by enhancing community participation.
5. Implement scientific research efficiently to solve community problems related to health.
6. Apply appropriate communication and learning skills necessary for lifelong professional development.

3. Admission system:

The applicant must:

1. Has MBBCh with a grade of "good" or higher, from an accredited medical faculty.
2. Engaged in clinical work at least for two years with a medical department in recognized teaching hospital after completing the internship period.
3. Pass the admission exam and selection requirement decided by the department.
4. Take and pass exam of English language for postgraduate provided by university of Tripoli or equivalent.
5. Has basic computer skills.
6. To submit three letters of recommendations, Letters should come from two former professors and one from an employer.
7. To be of good conduct and behavior
8. Priority for admission is given to demonstrators in the department, other medical faculty and candidates from public authorities.

4. Program intended learning outcomes:

A. Knowledge and understanding

A.1	Identify the concepts and principles of epidemiology, biostatistics, behavioral and social sciences, environmental and occupational health, nutrition, and primary health care.
A.2	Describe the causes, distribution, natural history, diagnosis and management of prevalent health problem in the community
A.3	Define promotive , preventive and control measures of common health problems in the community.
A.4	Identify the basics and concepts of health management within the framework of health institutions and the different levels of the health care system.
A.5	Recognize concepts and steps of scientific research, including ethical issues.
A.6	Define the principles, concepts and approaches of communication, learning and teaching

B. Intellectual Skills

B.1	Apply an analytic thinking approach in discussing common health problems in the community locally and globally
B.2	Choose appropriate methods to display health information to make the right decision
B.3	Analyze the results of surveillance and monitoring during emergency conditions that affect the health of the community in order to take appropriate action
B.4	Critical evaluation of programs, interventions, and outcomes related to community medicine practice
B.5	Critique published research literature relevant to community health problems
B6	Categorize different methods of communication and teaching to improve learning and practice.

C. Practical and Professional Skills

C.1	Apply principles of community medicine in management of health related events at the community
C.2	Design epidemiological studies to describe the pattern of health-related events and to investigate their occurrence and risks
C.3	Apply early diagnosis, specific management of common health problems and emergencies at individual, family and community levels taking into account existing health care services, social context and resources.
C.4	Select appropriate methods in formulating and implementing health programs and policies to solve health problems in the community
C.5	Conducts research on a specific community health problem by using proper methodology and scientific analysis
C.6	Prepare an effective communication and teaching material, teaching method, assessment and evaluation tools.

D. General and Transferable Skills

D.1	Work within health team and exchange the acquired knowledge and skills with members of the health team and the community.
D.2	Use a decision-making concept and problem-solving skills appropriately
D.3	Exhibit effective oral and written communication skills in the professional context.
D.4	Manage the time effectively
D.5	Use modern technologies and their applications in a way that contributes to solving health problems
D.6	Demonstrate ethics and accountability at all levels (professional, personal and social)and self-learning ability

5. Program contents

The number of weekly hours according to the study plan:

Item	Lectures	Practice/ Discussion	Clinical/ field visit	Total hours/ week	Total credits
General course	**4**	**6**	**-**	**10**	**7**
Specialized courses-I	**5**	**5**	**3.5**	**13.5**	**9**
Specialized courses-II	**3**	**3**	**5.5**	**11.5**	**7**
Elective course	**1**	**2**	**-**	**3**	**2**
Dissertation	**-**	**18**	**-**	**18**	**6**
Total	**13**	**34**	**9**	**56**	**31**

6. Programme Courses

Duration: 4 semesters

In each semester, the scheduled parts are studied according to the sequence for a period as listed and to ensure the achievement of the required outputs. The teaching methods include lectures, training courses, panel discussions, clinical training and field visits under the guidance of field supervisors with a report written on each visit. During these semesters the student gains experience, develops competence in performance and appropriate use of various procedures and actively participates in scientific activities related to the specialty.

Dissertation: At the end of the second semester, the candidate chooses a research topic and presents the problem and his proposed project plan to the teaching staff. The research protocol must be approved by the department's scientific committee and ethical committees.

Semester I: Biostatistics and health information, research methodology, teaching and learning, social and behavioral sciences. [7 credits)
Semester II: Introduction and general epidemiology, epidemiology of communicable diseases, occupational health, environmental health. [9 credits]
Semester III: Epidemiology of non-communicable disease, Health management, primary health care and global health, elective subject (2credit). [9 credits]
Semester IV: Dissertation. [6 credits]

Total numbers of credit points: Total 33 credits (27 credits for courses and 6 for dissertation).

(1 credit =1 hour theoretical, 1 credit =2-hour discussion or practical/lab, 1 credit =3 hours clinical or field visit)

A. General courses

Semester I:

Course Code	Course name	Credit	Hours/week			Total hours/ week	ILOs
			Lecture	Discussion / lab	Clinical		
RM601	Research Methodology	2	1	2	-	3	A1,A5, ,B1, , ,B5, C5, D5
BS602	Biostatistics &health information	2	1	2	-	3	A1, A2 ,B1, B2, C1-C2, D2,D5
MD603	Teaching and Learning	1	1	-	-	1	A6 , B6,C6,D1-D6
BH604	Behavioral & social Sciences	2	1	2	-	3	A1-A3,A6, B1,B3, B6, C1, C3,C6 ,D1-D6
Total		**7**	**4**	**6**	**-**	**10**	

B. Specialized courses:

Semester II:

Course Code	Course name	Credit	Hours/week			Total hours	Pre-requirement	ILOs
			Lecture	Discussion / lab	Clinical /field			
CM691	Introduction to community medicine, General Epidemiology	3	2	2	-	4	BS602, BH604	A1- A3, B1-B3, C1- C3, D2,D5
CM692	Epidemiology of communicable disease	2	1	1	1.5	3.5	BS602, BH604	A1-A3 , , B1-B3, C1-C3, D1-D6
CM693	Occupational Health	2	1	1	1	3	BS602, BH604	A1-A3 , , B1-B3, C1-C3, D1-D6
CM694	Environmental health	2	1	1	1	3	BS602, BH604	A1-A3 , , B1-B3, C1-C3, D1-D6
Total		**9**	**5**	**5**	**3.5**	**13.5**		

Semester III:

Course Code	Course name	Credit	Hours/week			Total hours	Pre-requirements	ILOs
			Lecture	Discussion / lab	Clinical /field			
CM695	Epidemiology of non-communicable disease	2	1	-	3	4	CM691	A1- A3 , B1-B3, C1-C3, D1-D6
CM696	Health management and health system	2	1	2	1	4	CM691	A4, B4, C4, D1-D6
CM697	Primary health care and global health	3	1	1	1.5	3.5	CM691 CM692 BH604	A1-A4 , B1-B4, C1-C4, ,D1-D6
	Elective	2	1	2	-	3	CM691/ BS602	-
Total		**9**	**4**	**5**	**5.5**	**14.5**		

Semester IV:

Course Code	Course name	Credits	Hours/week			Total hours	Pre-requirements	ILOs
			Lecture	Discussion / lab	Clinical /field			
CM6912	Dissertation	6	-	18	-	18	RM601 BS602 CM691	A5, B5 ,C5, D1-D6
Total		6	-	18		18		

C. Elective course:

Candidate select only one course (2 credits)

Course Code	Course name	Credits	Hours/week			Total hours	Pre-requirements	ILOs
			Lecture	Discussion / lab	Clinical /field			
CM698	Advanced statistics	2	1	2	-	3	BS602 CM691	A1,A2, B1, B2, C1, D2,D5
CM699	Advanced epidemiology	2	1	2	-	3	BS602 CM691	A1-A3,B1-B3,C1-C3, D2,D5

CM6910	Nutrition health	2	1	2	-	3	CM691 BH604	A1-A3 , B1-B3, C1-C3, D1-D6
CM6911	Infection control	2	1	2	-	3	CM691 CM694	A1-A3 , B1-B3, C1-C3, D1-D6
Total		2	1	2	-	3		

7. Teaching and learning Methods

1. Illustrated lectures
2. Group discussion
3. Practical/ Lab
4. Clinical sessions
5. Field visit
6. Presentation
7. Journal club and journal critique
8. Individual and group presentations on self-learning topics
9. Group presentation of projects and visits reports
10. Exercises

8. Assessment Methods

Semester	Evaluation Method
First Semester	Attendance, Assignments, exercise, reports, Written, practical.
Second Semester	Assignments, exercise, reports, Written, practical /OSPE/OSCE
Third Semester	Assignments, exercise, reports, Written, practical /OSPE/OSCE
Fourth Semester (dissertation)	Oral, Pass or not pass

9. Programme evaluation

Evaluator	Percentage(%)	Methods
Stakeholders	10	Questionnaire
Final year students	20	Questionnaire
Graduates	20	Pass the exam
Faculty member	30	Modules reports
External evaluator	20	Report and field visit

10. Rating assessment

Terms	Percentage (%)
Poor	less than 65%
Good	From 65% to less than 75%
Very good	From 75% to less than 85%
Excellent	From 85% to 100%

11. Teaching and learning resources

1) Lecture notes
2) Text book
3) Medical journal
4) Internet
5) Computer based learning