



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	
	Deans Council Approval Decision Number	265/2024/24/3/2
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	Number of Pages	06

1.	Course Title	Community Medicine
2.	Course Number	0535205
3.	Credit Hours (Theory, Practical)	4 credit hours (all theory)
	Contact Hours (Theory, Practical)	64 hours
4.	Prerequisites/ Corequisites	None
5.	Program Title	Doctor of Medicine
6.	Program Code	---
7.	School/ Center	The University of Jordan
8.	Department	Family and Community Medicine
9.	Course Level	2 nd medical year
10.	Year of Study and Semester (s)	Second year / First semester
11.	Program Degree	
12.	Other Department(s) Involved in Teaching the Course	None
13.	Learning Language	English
14.	Learning Types	☐ Face to face learning *** ☒ Blended ☐ Fully online
15.	Online Platforms(s)	** ☒ Moodle ☐ Microsoft Teams
16.	Issuing Date	October 2025
17.	Revision Date	

Name: Dr. Mishkah Bani Mustafa

Contact hours:

Office number:

Phone number:

Email: m.banimustafa@ju.edu.jo



19. Other Instructors:

Name: Dr. Sireen Alkhalidi
Office number: 135/ Dept. Family & Community Medicine
Phone number: -----
Email: s.alkhalidi@ju.edu.jo
Contact hours:

Name: Rania Albsoul
Office number: 147- Family and Community Medicine Department
Phone number: -----
Email: r.Absoul@ju.edu.jo
Contact hours:

Name: Dr. Munir Abu-Hilalah
Office number:Dept. Family & Community Medicine
Phone number: -----
Email: m.abu-helalah@ju.edu.jo
Contact hours: Available by appointment
Office Hours: Monday and Wednesday 12noon-1pm

Name: Dr. Hana Taha
Office number:
Phone number: -----
Email: Hanagh@yahoo.com
Contact hours:

Name: Dr. Ruba Habahbeh
Office number:
Phone number: -----
Email: r_alhabahbeh@ju.edu.jo
Contact hours: -----

20. Course Description:

This course is designed to deliver knowledge of principles and practice of prevention in primary health care for medical students. It also provides students with core skills in epidemiology and biostatistics essential for medical research. This course highlights important community health domains such as mother and child health, environmental and occupational health, in addition to health services management.

B. The aim of this course is to introduce public health fundamentals such as epidemiology and biostatistics. Also, it aims to apply public health principles to health problems and develop



strategies to address public health problems. It introduces students to primary healthcare, mother and child health, environmental health, and health administration.

21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PLO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
1.	☐	☐	☒
2.	☐	☒	☐
3.	☒	☐	☐
4.	☐	☐	☐
5.	☐	☒	☐
6.	☒	☐	☐
7.	☐	☐	☒
8.	☒	☐	☐

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyze	Evaluate	Create	
1.	☒	☒			☒		Define epidemiological terms and history of epidemiology. In addition, to identify association and causation, and types of associations with underlying statistical principles. (Knowledge)
2.		☒	☒				Distinguish types of epidemiological



						studies, their application, examples, strengths and weaknesses. (Knowledge)
3.		☒			☒	Describe communicable and non-communicable disease epidemiology in addition to medical screening and screening criteria (Knowledge)
4.		☒				Recognize the importance of environmental health, air pollution, and occupational health and safety and health hazards in the work place. (Knowledge)
5.	☒	☒				Describe background, basic elements, and requirements of primary health care and maternal and child health. Recognize the significance of health education as a basic element in the context of primary health care. (Knowledge)
6.		☒			☒	Identify the functions of health care managers and assess the unique challenges involved in



							managing complex health care organizations (Knowledge)
7.			☒	☒	☒		Calculate incidence and prevalence and to calculate and interpret measures of association (OR and RR) and sensitivity, specificity, +ve and –ve predictive value (Skill).
8.		☒	☒				Employ basic statistical concepts and their application to healthcare research. Furthermore, Differentiate between parametric and nonparametric tests and comprehend their underlying assumptions and the conceptual



							basis of statistical inferences. (Skill)
9.		☒	☒		☒	☒	Demonstrate statistical technique that provide the best answer to a given research question. Develop the necessary computer skills using the SPSS in order to conduct basic statistical analyses. Evaluate computer output containing statistical procedures and graphics and interpret it in a public health context. (Skill)
10.			☒		☒		Describe key concepts of environmental health, public health nutrition,



							and demography, and explain their roles in understanding and addressing community health problems.
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23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PLOs:

PLO's * CLO's	1	2	3	4	5	6	7	8	Descriptors**		
									A	B	C
1				✓					☒		
2				✓					☒		
3				✓					☒		
4				✓					☒		
5				✓					☒		
6				✓					☒		
7				✓						☒	☒
8				✓						☒	☒
9				✓						☒	☒
10				✓					☒		

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21)**



24. Topic Outline and Schedule:



Week	Lecture	Topic	ILO/s Linked to the Topic	Descriptors	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Lecturing	Evaluation Methods	Learning Resources
1	1.1	Introduction to Epidemiology	1	K	Face to face	-	Synchronous	Written exams	Check references below (section 28)
	1.2	Historical Evolution of Epidemiology	1	K	Face to face	-	Synchronous	Written exams	Check references below (section 28)
	1.3	Disease Transmission and Natural History of Disease	1	K	Face to face	-	Synchronous	Written exams	Check references below (section 28)
	1.4	Incidence and prevalence	1	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section 28)
2	2.1	Research design part 1:	2	K	Face to face	-	Synchronous	Written exams	Check references below (section 28



		descriptive studies							
	2.2	Research design part 2: analytical and experimental studies	2	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	2.3	Smoking cessation, Nicotine addiction and smoking cessation interventions	3	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	2.4	Proposal writing	2	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section 28
3	3.1	Influenza and Strep. Pneumonia epidemiology and prevention	3	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	3.2	Medical Screening part and disease surveillance	3	K	Face to face	-	Synchronous	Written exams	Check references below (section 28



	3.3	Population pyramid and standardization	10	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	3.4	Infectious disease epidemiology	3	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section
4	4.1	Introduction to Health Services Management	6	K	Face to face	-	Synchronous	Written exams	Check references below (section
	4.2	Management and Motivation	6	K	Face to face	-	Synchronous	Written exams	Check references below (section
	4.3	Quality and Safety in Health care	6	K	Face to face	-	Synchronous	Written exams	Check references below (section
	4.4	Swiss Cheese Model of safety incidents	6	K	Blended	Moodle	Asynchronous	Written exam/ Online activity	Check references below (section
5	5.1	Introduction to PHC and history of its development	5	K	Face to face		Synchronous	Written exam	Check references below (section
	5.2	Basic concepts of PHC	5	K	Face to face		Synchronous	Written exam	Check references below (section
	5.3	Health Education	5	K	Face to face		Synchronous	Written exam	Check references below (section
	5.4	Astana declaration	5	K	Blended	Moodle	Asynchronous	Written exam/ online activities	Check references below (section



6	6.1	The Public Health Importance of Maternal Health	5	K			Synchronous	Written exam	Check references below (section
	6.2	Preconception antenatal and postnatal care	5	K	Face to face		Synchronous	Written exam	Check references below (section
	6.3	Maternal mortality and morbidity	5	K	Face to face		Synchronous	Written exam	Check references below (section
	6.4	postpartum depression	5	K	Blended	Moodle	Asynchronous	Written exam/ online activities	Check references below (section
7	7.1	Child health (importance, ECD, mortality and morbidity, nurturing care)	5	K		-	Synchronous	Written exams	Check references below (section
	7.2	Child health (well child visit, immunization, Nutrition)	5	K	Face to face	-	Synchronous	Written exams	Check references below (section
	7.3	Adolescent health	5	K	Face to face	-	Synchronous	Written exams	Check references below (section
	7.4	growth monitoring in children	5	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section



8		Midterm Exam							
9	9.1	Food Contamination	4	S	Face to face	-	Synchronous	Written exams	Check references below (section
	9.2	Air pollution	4	S	Face to face	-	Synchronous	Written exams	Check references below (section
	9.3	Occupational Health	4	S	Face to face	-	Synchronous	Written exams	Check references below (section
	9.4	Water Pollution	4	S	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section
10	10.1	Introduction to biostatistics. Types of data and organization of Data.	7,8,9	S,C	Face to face	-	Synchronous	Written exams	Check references below (section
	10.2	Sampling methods and measurement scales	7,8,9	S,C	Face to face	-	Synchronous	Written exams	Check references below (section
	10.3	Descriptive statistics: Measures of Central tendency and Measures of Dispersion	7,8,9	S,C	Face to face	-	Synchronous	Written exams	Check references below (section
	10.4	presentation using Tables and graphs	7,8,9	S,C	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section
11	11.1		10	K	Face to face	-	Synchronous	Written exams	Check references below (section



		Demography and population Dynamics							
	11.2	Population composition & population change	10	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	11.3	Introduction to public health nutrition	10	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	11.4	Food Security and Nutrition in the world”	10	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section 28
12	12.1	Injuries	5	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	12.2	Violence against women	5	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	12.3	Violence against children	5	K	Face to face	-	Synchronous	Written exams	Check references below (section 28
	12.4	bullying	5	K	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section
13	13.1	Probability, Z test	7,8,9	S,C	Face to face	E-learning	Synchronous	Exam	Check references below (section



	13.2	Hypothesis testing, P-value, interpretation and types of Errors	7,8,9	S,C	Face to face	E-learning	Synchronous	Exam	Check references below (section
	13.3	Parametric and non-parametric significance testing, chi square, t- tests, ANOVA, correlation, regression	7,8,9	S,C	Face to face	E-learning	Synchronous	Exam	Check references below (section
	13.4	organization, coding and analysis on SPSS	7,8,9	S,C	Blended	Moodle	Asynchronous	Written exam/ Online activities	Check references below (section
14	14.1	Revision				-			
	14.2					-			
	14.3					-			
	14.4					-			
15	Final Exam								



25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	*Mark wt.	CLO's									
		1	2	3	4	5	6	7	8	9	10
Midterm Exam	40%	*				*	*	*			
Final Exam	60%		*	*	*				*	*	*
Field visits	-	-	-	-	-	-	-	-	-	-	-
Practical and clinical	-	-	-	-	-	-	-	-	-	-	-
Performance Completion file	-	-	-	-	-	-	-	-	-	-	-
Presentation/ exhibition	-	-	-	-	-	-	-	-	-	-	-
Any other approved works	-	-	-	-	-	-	-	-	-	-	-
Total 100%	100%										

* According to the instructions for granting a bachelor's degree.

**According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.

Note: 30% of mid and final exams mark weight will be for activities provided throughout the course

**Mid-term exam specifications table***

*(The table will be completed on separate forms by course coordinators prior to conduction of each exam according to Accreditation and Quality Assurance Centre procedures and forms).

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO/ Weight	CLO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										1

Final exam specifications table

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CLO Weight	CLO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										1
										2
										3
										4
										5

26. Course Requirements:

- ✓ ☐ Class room Lectures
- ✓ ☐ Internet connection
- ✓ ☐ Online educational material using Moodle platform (Electronic Videos and Activities)



27. Course Policies:

Attendance policies:

Attendance and arrival on time is expected. Students who miss more than three class sessions with or without excuse will be accounted from the 10% attendance grade. (See the university policies regarding absence).

Absences from exams and submitting assignments on time:

Students unable to take a scheduled exam are expected to inform the instructor within 3 days and arrange for a make-up one. Make ups will be given only to students who have notified the instructor and set up an alternate time. Any missed exam will result in a grade of zero for that particular examination type.

Honesty policy regarding cheating, plagiarism, misbehavior:

Cheating and plagiarism is not tolerated and will be dealt with according to the policies of the University of Jordan.

Grading policy:

The student's course grade will be primarily determined by a combination of midterm examination, class participation and attendance, in school, closed book, multiple choice style final examination. The final examination will incorporate principles and materials from the required readings and from classroom discussions and lectures

Available university services that support achievement in the course: all services are available.

28. References:

A- Required book(s), assigned reading and audio-visuals:

- PowerPoint presentations will be posted on the E-learning.
 - Selected supplemental websites and articles (blended) will be posted on the E-learning.
- You are responsible for all supplemental readings. Supplemental material will be discussed in class and included in tests.

B- Recommended books, materials, and media:



1. Epidemiology

Merrill, Ray (2012). Introduction to Epidemiology (6th Edition). Burlington, Massachusetts; United States: Jones & Bartlett.

2. Biostatistics: A Foundation for Analysis in the Health Sciences 10th Edition

by Wayne W. Daniel (Author), Chad L. Cross (Author) William Mendenhall, Introduction to Probability and Statistics, 15th edition, 2019

3. Community medicine: Population and Family Health Survey Jordan. 2017

Birkhead, G.S., Morrow, C.B., & Pirani, S. (2021). Essentials of public health (4th edition). Jones & Bartlett Learning

4. Environment: Frumken, H., Environmental Health (from global to local) 3rd edition, 2016

5. Leadership and Management

Neil Gopee and Jo Galloway (2013). Leadership and Management in Healthcare (2nd Edition). Washington DC; United States: SAGE Publications Ltd.

6. Skolnik, R. (2021). Global health 101 (4th ed.). Jones & Bartlett Learning.

7. Devakumar, D., Hall, J., Qureshi, Z., & Lawn, J. (Eds.). (2018). Oxford textbook of global health of women, newborns, children, and adolescents. Oxford University Press

29. Additional information:

Name of Course Coordinator: Dr. Mishkah Bani Mustafa Signature: _____ Date: 10/2025	
Head of Curriculum Committee/Department: Dr. Rania Albsoul Signature: -- 	
Head of Department: Dr. Rania Albsoul Signature: 	
Head of Curriculum Committee/Faculty: ----- Signature: ---	
Dean: ----- Signature: -----	

