



Jordan University of Science and Technology
Faculty of Medicine
Doctor Of Medicine (Md) Department

MED408 Research And Community Medicine - JNQF Level: 6

Summer Semester 2022-2023

Course Catalog

4.5 Credit Hours. The main focus of this course is on providing students with an understanding of methodological health research issues as well as analytical and practical skills of designing and conducting epidemiologic studies. It includes more rigorous discussion of key epidemiologic concepts and methods such as study designs and measures of association and impact. Throughout this program, methodological and design issues are integrated with statistical techniques and applied by extensive use of the SPSS package. With real-life examples throughout, the course avoids complex statistical formulations. The course will help students acquire knowledge and skills necessary to prepare for and implement various aspects of the public health research process. In addition, the course will encourage critical thinking and writing skills that demonstrate the student's abilities to understand and evaluate related researches.

Instructor

Name	Prof. Khalid Kheirallah
Office Location	-
Office Hours	
Email	kakheirallah@just.edu.jo

Class Schedule & Room

Section 1:
Lecture Time: U : -
Room: U

Section 2:
Lecture Time: U : -
Room: U

Section 3:
Lecture Time: U : -
Room: U

Section 4:
Lecture Time: U : -
Room: U

Section 5:
Lecture Time: U : -
Room: U

Section 6:
Lecture Time: U : -
Room: U

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Epidemiology and Biostatistics	
Week 2	Principles of Health Education and Health behavior change	
Week 3	Maternal and Child Health (MCH)	
Week 4	Review and EXAM	
Weeks 5, 6, 7	Conducting research in community medicine	
Weeks 6, 7, 8	Research design applied: engage students in field data collection, analysis, visualizing and reporting	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Recognize the importance of research to public health [1PLO6, 1PLO9] [1L6K2]	10%	
Design and conduct unbiased and efficient health research studies [1PLO6, 1PLO7, 1PLO8] [1L6K1, 1L6K2, 1L6S1]	10%	
Critically assess appropriateness of different research methods and techniques for the study of relevant research issues in health [1PLO1, 1PLO6] [1L6K1, 1L6K2, 1L6S1]	10%	

Understand some of the problems and pitfalls encountered in applying research methods to answer specific research questions [1PLO1, 1PLO6] [1L6K1, 1L6K2, 1L6S1, 1L6S2]	10%	
Understand the essential features of a range of statistical techniques and be able to analyze the data from epidemiological research [1PLO1, 1PLO3] [1L6S2, 1L6S3, 1L6C1]	20%	
Use software and tools for data management and analysis [1PLO1, 1PLO6] [1L6C3, 1L6C4, 1L6C5]	20%	
Develop a report studying a public health problem to provide evidence for public health practice [1PLO5, 1PLO9] [1L6C1, 1L6C2, 1L6C3, 1L6C4]	20%	

Relationship to Program Student Outcomes (Out of 100%)													
PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10	PLO11	PLO12	PLO13	PLO14
30		10		10	28.33	3.33	3.33	15					

Relationship to NQF Outcomes (Out of 100%)									
L6K1	L6K2	L6S1	L6S2	L6S3	L6C1	L6C2	L6C3	L6C4	L6C5
9.17	19.17	9.17	9.17	6.67	11.67	5	11.67	11.67	6.67

Date Printed: 2023-12-26