



Jordan University of Science and Technology
Faculty of Medicine
Health Management And Policy Department

HMP401 Research Methodology - JNQF Level: 6

Second Semester 2023-2024

Course Catalog

3 Credit Hours. Research is an important part of the health policy process. This course serves as an introduction to how to ethically do research commonly used in healthcare management science. This course aims to provide students with basic scientific research skills. It introduces research methods and their application across healthcare areas. It prepares students to conduct ethically sound and scientifically valid healthcare research. These include determining the research problem, data collection, research design, data analysis, and writing the final report. Students will become familiar with the concepts, methods, and applications of research and evaluation; learn how to critically consume research; and propose an appropriate research project to inform an important policy issue.

Teaching Method: On Campus

Text Book

Title	Research methodology: A step-by-step guide for beginners
Author(s)	Ranjit Kumar
Edition	3rd Edition
Short Name	Ref #1
Other Information	

Instructor

Name	Dr. Alaa Dalky
Office Location	-
Office Hours	Sun : 11:00 - 13:30 Mon : 10:00 - 13:00 Tue : 14:30 - 16:30 Wed : 14:30 - 15:30
Email	afdalky@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Mon, Wed : 13:00 - 14:30

Room: M3302

Prerequisites

Line Number	Course Name	Prerequisite Type
183111	PH311 Biostatistics	Prerequisite / Study
823110	HSS311PH Biostatistics	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	- Syllabus review. Course overview. - Introduction to scientific research and the research process model.	From Ref #1
Week 2	The research process: the broad problem area and defining the problem statement.	From Ref #1
Week 3	The research process: The review of literature.	From Ref #1
Week 4	The research process: theoretical framework and hypothesis development.	From Ref #1
Week 5	The research process: elements of research design.	From Ref #1
Week 6	The research process: Measurement of variables: operational definition.	From Ref #1
Week 7	Measurement: scaling, reliability, validity.	From Ref #1
Week 8	The research process: Data collection methods.	From Ref #1
Week 9	The research process: Sampling.	From Ref #1
Weeks 10, 11	The research process: Quantitative data analysis: hypothesis testing.	From Ref #1
Weeks 12, 13	Qualitative data analysis.	From Ref #1
Weeks 14, 15	The Research Strategies.	From Ref #1

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Describe and understanding research design and methods. [1SLO 4, 1SLO 5] [1L6K2, 1L6S1, 1L6S2]	30%	
Ability to critically evaluation and synthesis of literature. [1SLO 1, 1SLO 2] [1L6K1, 1L6S1]	30%	
Apply appropriate statistical techniques to analyze research data, interpreting results to draw meaningful conclusions. [1SLO 2, 1SLO 4] [1L6C2, 1L6C3]	20%	
Understand and evaluate the ethical considerations and principles involved in conducting research, including issues related to human subjects, confidentiality, and integrity. [1SLO 2, 1SLO 5] [1L6K1, 1L6S1, 1L6S2]	20%	

Relationship to Program Student Outcomes (Out of 100%)					
SLO 1	SLO 2	SLO 3	SLO 4	SLO 5	SLO 6
15	35		25	25	

Relationship to NQF Outcomes (Out of 100%)					
L6K1	L6K2	L6S1	L6S2	L6C2	L6C3
21.67	10	31.67	16.67	10	10

Policy	
Attendance	<p>- Class attendance is mandatory to develop scholarly discussion and argumentation skills. If you cannot attend class, you must submit appropriate documentation with an excused absence request.</p> <p>- JUST policy requires the faculty member to assign ZERO (Grade: 35) if a student misses 10% of the classes that are not excused.</p>
Cheating	<p>The standards of JUST policy will be applied:</p> <p>إذا ضبط الطالب أثناء الامتحان أو الإختبار متلبسا : المادة 7 بالغش فتوقع عليه العقوبات التالية مجتمعة :</p> <p>أ. اعتباره راسبا . في ذلك الإمتحان أو الإختبار</p> <p>ب. الغاء تسجيله في بقية المساقات المسجل لها في ذلك الفصل</p> <p>ج. فصله من الجامعة لمدة فصل دراسي واحد وهو الفصل التالي للفصل الذي ضبط فيه .</p>

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