



Course Plan (Syllabus)

First: Course Information

Faculty: Nursing	
Department: Community and Mental Health Nursing	Program: Master
Academic Year: 2024/2025	Semester: Second

Course No.: 0801702	Course Title: Research Methodology in Nursing		
Credit Hours: 3 hours	Theoretical: 3 hours	Practical: 0 hour	
Prerequisite No.: N/A	Prerequisite Title: N/A		
Section No.:1	Lecture Day(s):	<input type="checkbox"/> Sun <input type="checkbox"/> Tue <input type="checkbox"/> Thu <input type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat <input type="checkbox"/> Mon <input type="checkbox"/> Wed	Lecture Time:9:00–12:00
Level in JNQF	Level 9	Notional Hours JNQF 126	
Type of Course	Obligatory University		
Type of Learning	Face-to-Face Learning		

Second: Instructor's / Coordinator's Information

Course Instructor	Name: Khitam Alsaqer				Academic Rank: Assistant Professor		
	Office No.:D354		Ext. No.: 1364		Email: kalsaqer@zu.edu.jo		
	Office Hours	Sun 9-10 10-11	Mon 9-10 10-11	Tues choose choose	Wed 9-10 10-11	Thu choose choose	Sat choose choose
Course Coordinator	Name: Khitam Alsaqer				Academic Rank: Assistant Professor		
	Office No.:D354		Ext. No.: 1364		Email: kalsaqer@zu.edu.jo		

Third: Course Description

This course focuses on the principle and methods of quantitative and qualitative research as applied to nursing and the ethical implications inherent in conducting research. While focusing on quantitative design; the steps of the research process will be examined in depth along with critically analyzing published studies of interest to nursing. This course will assist master students to recognize the vital role of scientific research in evidence-based practice, quality management and outcomes evaluation. Students will design a quantitative research proposal in his/her area of interest.





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Fourth: Course Objectives

- Discuss the importance of research to evidence- based practice and the profession of nursing.
- Demonstrate knowledge of the historical evolution and future direction in nursing research.
- Discuss the components of the research process including problem definition, data collection, data analysis and communication of findings.
- Distinguish between quantitative and qualitative research.
- Use the principles of conducting a research study in order to analyze and evaluate reported nursing research studies.
- Explain the principles and methods of research proposal development.
- Analyze and synthesize nursing research articles for applicability of findings to clinical practice.
- Analyze ethical issues involved in nursing research.

Fifth: Learning Outcomes

Level descriptor according to (JNQF) *	CILOs Code	CILOs	Associated PILOs Code <i>Choose one PILO for each CILO**</i>	Assessment Methods	Scores out of 100
Knowledge	K1	Define nursing research, research problem, objectives, questions, and hypotheses that are relevant to nursing profession	P1	Midterm, quiz final	18
Knowledge	K2	Understand the key concepts and steps in both qualitative and quantitative research, including research design, sampling, data collection, analysis, and interpretation, to address nursing research questions effectively.	P1	Midterm, quiz final	18
Knowledge	K3	Recognize ethical guidelines for conducting research involving human subjects.	P6	Final Exam	6



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Knowledge	K4	Recognize how theoretical frameworks can inform the design, methodology, and analysis of nursing research, demonstrating an understanding of how these frameworks shape and support the research process.	P1	Midterm, Final	17
Skills	S1	Demonstrate the ability to apply APA writing style by accurately formatting academic papers, citing sources, and organizing research content according to APA guidelines in written assignments.	P1	Midterm, assignment, Final	8
Skills	S2	Develop a literature review table that organizes and synthesizes key research studies, identifying relevant themes, methodologies, and findings to support evidence-based nursing practice.	P5	Midterm, quiz, assignment, final	10
Competencies	C1	Demonstrate the ability to critically appraise research reports and findings in terms of their coherence, validity, reliability, and probability for utilization in nursing practice	P2	Midterm , final	5
Competencies	C2	Create a well-structured research proposal that outlines a clear research problem, objectives, methodology, and ethical considerations,	P4	Midterm, quiz, assignment, final	17



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		demonstrating the ability to design and plan a nursing research study.			
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* <https://jnqf.heac.org.jo/?v=5.20.10.28.2&url=ar/Manuals>; ** Program Outcome Competencies (Learning outcomes) Code (PILOS); CILOs: Course Intended Learning Outcomes; *** <https://www.aacnnursing.org/Portals/0/PDFs/Publications/Essentials-2021.pdf>
 **** https://jnc.gov.jo/ebv4.0/root_storage/en/eb_list_page/national_standards_and_core_competencies_for_registered_nurse_2016.pdf

Sixth: Learning Resources

Main Reference: Nursing Research: Generating and Assessing Evidence for Nursing Practice.		
Author: Polit, D. F., & Beck, C. T	Edition: 12	Publication Year: 2024
Additional resources: • LoBiondo-Wood, G., & Haber, J. (2021). Nursing Research: Methods and Critical Appraisal for Evidence-based Practice. Elsevier. EndNote 21. SPSS 25.		
Teaching Context	<input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input type="checkbox"/> MS Teams <input checked="" type="checkbox"/> Moodle	



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Seventh: Course Structure

Lecture Date	Topics	CILOs Codes	Teaching Procedures	Teaching Methods	References
2025/03/08	-Introduction to Nursing Research in an Evidence-Based Practice Environment	K1-K2-C1	Face-to-Face	Lecture Discussion	Textbook CH1, and handouts
2025/03/15	-Key Concepts and Steps in Qualitative and Quantitative Research	K1-K2	Face-to-Face	Lecture Discussion	Textbook CH2, and handouts
2025/03/22	-Quantitative Research Problems, Research Questions, and Hypotheses.	K1	Face-to-Face	Lecture Discussion	Textbook CH6, and handouts
2025/03/29	-Reading and Critiquing Research Articles -Finding and Reviewing Research Evidence in the Literature	K1-K2-S2-C1-C2	Face-to-Face	Lecture Discussion	Textbook CH4, and handouts
2025/04/05	-Theoretical Frameworks -Types of writing styles & Overview of APA writing style	K4-S1-C1-C2	Face-to-Face	Lecture Discussion	Textbook CH7, and handouts
2025/04/12	-Quantitative Research Designs	K2	Face-to-Face	Lecture Discussion	Textbook CH9, and handouts
2025/04/19	-Specific Types of Quantitative Research	K1-K2	Face-to-Face	Lecture Discussion	Textbook CH9, and handouts
Midterm Exams: 2025/04/20 to 2025/04/30					
2025/05/03	-Rigor and Validity in Quantitative Research -Sampling in Quantitative Research	K2-S2	Face-to-Face	Lecture Discussion	Textbook CH10&13, and handouts
2025/05/10	-Data Collection in Quantitative Research -Measurement and Data Quality	K2-C2	Face-to-Face	Lecture Discussion	Textbook CH10 & 11, and handouts
2025/05/17	-Developing and Testing Self-Report Scales -Ethics in Nursing Research	K2-K3-S2-C1	Face-to-Face	Lecture Discussion	Textbook CH5, and handouts
2025/05/24	-Quantitative Data Analysis and Interpretation	K1-K2-S2-C1	Face-to-Face	Lecture Discussion	Textbook CH12, and handouts
2025/05/31	Disseminating Evidence: Reporting Research Findings	K1-K2-K3-K4-S2-C1	Face-to-Face	Lecture Discussion	Textbook CH12, and handouts
2025/06/07	Holiday				
2025/06/14	Revision	K1-K2-K3-K4-S1-S2-C1-C2	Face-to-Face	Lecture Discussion	Textbook and handouts
Final Exams: 2025/06/15 to 2025/06/25					



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Eighth: Assessment Methods

Assessment Method	Score Identified for each Assessment	Specific Course Output to be Assessed*							
		Knowledge				Skills		Competencies	
		P1/K1	P1/K2	P6/K3	P1/K4	P1/S1	P5/S2	P2/C1	P4/C2
Mid-term Exam	30	7	6	-	6	2	2	3	4
Quizzes	10	2	4	-	-	-	2	-	2
Assignments	20	-	-	-	-	5	5	-	10
Final Exam	40	9	8	6	11	1	1	2	1
Total out of 100	100	18	18	6	17	8	10	5	17
		60				18		22	

* Refer to document ([Guidelines-for-Nursing-Programs-Accreditation-at-Jordanian-Universities](#))

Ninth: Course Policies

All course policies apply across **all teaching modes**, including **online, blended, and face-to-face learning**.

- **Punctuality:** Attend on time; late work may lose marks.
- **Participation:** Engage in discussions, group work, and assignments.
- **Attendance & Exams:** Mandatory attendance; valid excuse required for absences.
- **Academic Integrity:** No cheating, plagiarism, or unauthorized collaboration.
- **Ethical Conduct:** Respectful behavior is required online and offline.
- **Technology Use:** Follow platform rules; no misuse of digital tools.

Approval	Name	Date	Signature
Head of Department	Dr. Islam Al-Oweidat	2025/03/03	
Faculty Dean	Dr. Ahmed Rayan	2025/03/03	