



T-104
2022

Course Specification



Course Title: Scientific Research Methodology

Course Code: GSC352-3

Program: Bachelor In Nursing

Department: Nursing

College: College of Nursing

Institution: Jazan University

Version: 2024

Last Revision Date: February 2023



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A. General information about the course:

Course Identification	
1. Credit hours:	3cr (2 hours theory + 1 hour practical)
2. Course type	
a.	University <input type="checkbox"/> College <input checked="" type="checkbox"/> Department <input type="checkbox"/> Track <input type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered:	11th Level/ 4th Year
4. Course general Description	
This course is designed for 4th year students to help them to value the importance of research in promoting their profession. The basic concepts in research and its purpose are introduced and considered in an overview of research steps. It mainly provides an introduction to research proposal writing. This course also aims at providing students with the necessary knowledge and skills that help in developing research culture among students	
5. Pre-requirements for this course (if any):	
STA222; Fundamentals of Biostatistics	
6. Co- requirements for this course (if any):	
None	
7. Course Main Objective(s)	
The students should be able to:	
<ol style="list-style-type: none"> 1. Understand research as a way of examining the practice. 2. Equip themselves with knowledge on the overview of the different steps involved in the research process. 3. Gather and review related literature. 4. Define research problem and its importance. 5. Identify the different variables involved in research. 6. Define and construct a hypothesis. 7. Determine and select a study design appropriate for the different types of research. 8. Describe the different methods of data collection and identify their advantages and disadvantages. 9. Understand the concept of sampling. 10. Discuss ethical issues in research. 11. Construct and defend a research proposal. 	



1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	$(2 * 12) + (2 * 12) = 48$	100%
2.	E-learning		
3.	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4.	Distance learning		

2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	$12 * 2 = 24$
2.	Laboratory/Studio	$12 * 2 = 24$
3.	Field	
4.	Tutorial	
5.	Others (specify)	
	Total	48 hour/semester

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Discuss basic concepts and main steps of research methodology and evidence-based practice.	K1	Lecture / discussion;	Quiz (oral/written) Group discussion
1.2	Identify different research problems that are tailored to diverse populations	K2	Problem based learning;	
1.3	Understand research study design and theoretical aspects of research.	K3	Data show presentations;	
			Student activities	
2.0	Skills			
2.1	Evaluate resources as basis to formulate researchable problem	S1	Small research study;	Small group discussions; Assignment
2.2	Select appropriate study design for the different types of research	S2	Sample calculation for	
2.3	Integrate technologies and information	S3		





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	systems skills in nursing research		research projects;	
2.4	Disseminate research findings effectively	S4		
2.5	Develop competitive research proposals.	S5	Guided practice for the students	
3.0	Values, autonomy, and responsibility			
3.1	Display highest standards of research ethics.	V1	Supervised conduct of research in groups	Quiz; Research assessment;
3.2	Ability to work as a research team member.	V2		Presentation

C. Course Content

No	List of Topics	Contact Hours
1.	Theory: Introduction to Scientific Research and Evidence-Based Practice Terminology Practical: Class Discussion on scientific research roadmap: From idea to outcome - Challenges & opportunities for research in your specialization and in Jazan region	4
2.	Theory: Research Problem Practical: Identify research problems in your specialization	4
3.	Theory: Review of Literature Practical: Searching for databases	4
4.	Theory: Paraphrasing Practical: Research proposal writing	4
5.	Theory: Research Objectives and Hypotheses Practical: Sample size calculation	4
6.	Theory: Study Design Practical: Details by faculty	4
7.	Theory: Ethics in Research Practical: Details by faculty	4
8.	Theory: Sampling Practical: Using SPSS for analysis of different types of data	4



9.	Theory: Methods of Data Collection	4
	Practical: Details by faculty	
10.	Theory: Data analysis, Interpretation & Reporting	4
	Practical: Research paper component, samples of research papers	
11.	Final Practical Exam	4
12.	Final Theory Exam	4
Total		48

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Theory Exam	5 th -6 th	25
2.	Practical Assessment		5
3.	Attendance and Participation	Continuous	5
4.	Individual assignment		5
5.	Group research proposal/Quiz/Oral evaluation		10
6.	Final Practical Exam/ Presentation	11 th	20
7.	Final Theory Exam	12 th	30
8.	TOTAL		100

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	<ul style="list-style-type: none"> - Practice of Nursing Research (8th edition, 2017) - Essentials of Nursing Research: Appraising Evidence for Nursing Practice (9th edition) - Nursing Research: Generating and Assessing Evidence for Nursing (10th edition)
Supportive References	1. Munro's Statistical Methods for Health Care Research
Electronic Materials	<ul style="list-style-type: none"> 1) AllNurses.com 2) ATItesting.com 3) NursingWorld.org 4) Nurse.com 5) ScrubsMag.com 6) Medscape.com/Nurses 7) AACN.org 8) NursingCenter.com
Other Learning Materials	<ul style="list-style-type: none"> American Journal of Nursing BMC Nursing British Journal of Community Nursing Canadian Journal of Nursing Research

	<p>Cancer Nursing Practice</p> <p>International Journal of Nursing Studies</p> <p>The Journal for Nurse Practitioners</p> <p>Journal of Continuing Education in Nursing</p> <p>Ethics Nursing in Practice Nursing</p>
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2. Required Facilities and equipment

Items	Resources
Facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture room which can accommodate 25-50 students with tables and movable chairs for student group work.
Technology equipment (Projector, smart board, software)	Smart Board with ICT software and internet/WiFi connection in the classrooms; Audio speakers for voice amplification and audio streaming; Lapel and handheld microphones for teacher and students
Other equipment (Depending on the nature of the specialty)	Library with 'Research Methodology' textbooks and learning resources Basic Research Laboratory.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Course Report Students' teaching evaluation questionnaire. Continuing feedback from students during the semester.
Effectiveness of students' assessment	Instructor	Course report CLO Evaluation survey Continuing feedback from students during the semester.
Quality of learning resources	Quality Assurance Unit	Students Satisfaction Survey Continuing feedback from students during the semester.
The extent to which CLOs have been achieved	Instructor	Course report CLO Evaluation survey Continuing feedback from students during the semester.
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL /COMMITTEE	PLANS AND CURRICULUM COMMITTEE-COLLEGE OF NURSING
REFERENCE NO.	
DATE	

