澳門理工大學
Universidade Politécnica de Macau
Macao Polytechnic University

PEKING UNIVERSITY HEALTH SCIENCE CENTER

-MACAO POLYTECHNIC UNIVERSITY NURSING ACADEMY (AE)

BACHELOR OF SCIENCE IN NURSING

LEARNING MODULE OUTLINE

Academic Year	2025-2026	Semester	2
Module Code	NRES 3102		
Learning Module	Nursing Research		
Pre-requisite(s)	Nil		
Medium of Instruction	Chinese / English		
Credits	3	Contact Hours	45
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MODULE DESCRIPTION 學科單元/科目概述

This course introduces the principles and methods to conduct high-quality nursing research. The development of research questions, literature review, ethical issues, study design, participant selection, measurement and data collection, data analysis, proposal writing and manuscript preparation will be introduced. Students are expected to understand the steps and methodology in nursing research, and critically evaluate research studies after completing this course.

MODULE INTENDED LEARNING OUTCOMES (ILOS) 學科單元/科目預期學習成效

On completion of this learning module, students will be able to:

M1.	To describe the steps of nursing research and differentiate the component of a research question
M2.	To conduct an electronic literature search using proper search strategy
M3.	To describe the ethical principles in nursing research, the types and components of study design, sampling method, the basic knowledge of measurement and data collection
M4.	To differentiate the types of data, select proper data analysis method, and interpret the study results
M5.	To explain the major parts of a research protocol and manuscript, and draft a research proposal
M6.	To critically appraise the quality of original studies

These ILOs aims to enable students to attain the following Programme Intended Learning Outcomes (PILOs):

The PILOs are aligned with the Dublin descriptors, including knowledge and understanding, acquisition, application, critical judgment, communication skills, and learning skills/ability.

PILOs 課程預期學習成效	M1	M2	M3	M4	M5	M6
P1. Demonstrate an understanding of the holistic nature of the clients' health status involving individual, family, and community aspects.	✓					
P2. Demonstrate effective communication skills and the ability to establish and maintain a therapeutic relationship with clients.			✓			
P3. Demonstrate acquisition, mastery, and application of knowledge and skills for nursing practice, including biological sciences, social sciences and humanities, by making appropriate clinical reasoning and performing safe and therapeutic practice.						
P4. Demonstrate the ability to maintain legal and ethical standards of nursing practice.			✓			
P5. Demonstrate the ability to carry out relevant research and contribute to the community's health.	✓	✓	✓	✓	✓	✓
P6. Work effectively and efficiently alone or in teams.		✓	✓		✓	✓
P7. Demonstrate the ability to identify and evaluate health care issues.	✓					
P8. Demonstrate a critical judgment and apply the principles of evidence-based practice to deliver nursing care.			✓			✓

MODULE SCHEDULE, COVERAGE AND STUDY LOAD 教與學日程、內容及學習量

Week 週	Content Coverage 涵蓋內容	Contact Hours 面授學時
1	Introduction to Nursing Research	2
	Overview of Study Design	2
2	Developing Research Questions	2
	Conducting an Electronic Literature Search	2
3	Literature Review	2
	Ethical Issues in Nursing Research	2

4	Conceptual and Theoretical Frameworks	2
	Participant Selection	2
5	Cross-sectional Study	2
	Experimental Study I	2
6	Experimental Study II	2
	Case-control Studies and Cohort Study	2
7	Measurement and Data Collection I	2
	Measurement and Data Collection II	2
8	Measurement and Data Collection III	2
	Data Analysis and Results Interpretation	2
9	Introduction to Qualitative Research	2
	Writing a Research Proposal	2
10	Manuscript Writing and Submission	2
	Critical Appraisal of Research Studies	2
11	Group Presentation	3
12	Examination	2
	Total	45

TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities: 修讀本學科單元/科目，學生將透過以下教與學活動取得預期學習成效

Teaching and Learning Activities	M1	M2	M3	M4	M5	M6
T1. Lectures (PPT) and videos	✓	✓	✓	✓	✓	✓
T2. Group discussion		✓	✓		✓	✓
T3. Group presentation	✓				✓	

ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Bachelor's Degree Programmes of the Macao Polytechnic University. Students who do not meet the attendance requirements for the learning module shall be awarded an 'F' grade.

ASSESSMENT

This learning module is graded on a 100-point scale, with 100 being the highest possible score and 50 being the passing score.

In this learning module, students are required to complete the following assessment activities:

Assessment Activities	Weighting (%)	ILOs to be Assessed (M1,M2,M3,M4,M5,M6….)
A1. Group assignment：presentation	40%	M1, M5
A2. Final examination	60%	M1, M2, M3, M4, M5, M6

The assessment will be conducted following the University's Assessment Strategy (see www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php). Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

Attendance (70% at least)

MARKING SCHEME (評分準則)

- MARKING SCHEME FOR ASSESSMENT ACTIVITIES

Assessment Activities	Assessment Criteria	Mark Ranges				
		88-100 High	73-87 Signification	58-72 Moderate	50-57 Basic	<50 Fail
A1. Group Assignments：presentation	Demonstrate the ability to complete group assignment, answer questions on the topics covered in the module.	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A2. Final Examination	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels

- MARKING SCHEME FOR GROUP PRESENTATION

Assessment Criteria	Weighting %	Score and comments
1.The research question is practical and clearly described	5%	
2.The background and rational is logical and clearly described	5%	
3.The inclusion criteria and sampling method of participants are clearly described	6%	
4.The study design is appropriate; the intervention, outcomes and measures are clearly described	10%	
5.Ethical issues are considered	4%	
6.The reference is correctly cited	5%	
7.Students can actively participate in the group discussion and presentation	5%	

REQUIRED READINGS 書單

胡雁, 王志穩 （2022）. *護理研究*（第 6 版）. 北京：人民衛生出版社.

REFERENCES 參考文獻

Zhiwen Wang, Qian Lu, Xue Wu, Nan Li. *The Chinese Online Course:《护理研究方法》.*

https://www.xuetangx.com

Zhiwen Wang, Mingming Yu, Xiaomei Cong, Shuyu Han, Weijiao Zhou, Junhui Wu. *The English Online*

course: 《Nursing Research: Principles and Methods》.

https://www.coursera.org/learn/nursing-research-principles-and-methods

STUDENT FEEDBACK

At the end of each semester, students are invited to provide feedback on the learning module and the teaching arrangement through questionnaires. Your feedback is valuable for instructors to enhance the module and its delivery for future students. The instructor and programme coordinators will consider all feedback and respond with actions formally in the annual programme review.

ACADEMIC INTEGRITY

The Macao Polytechnic University requires students to have full commitment to academic integrity when engaging in research and academic activities. Violations of academic integrity, which include but are not limited to plagiarism, collusion, fabrication or falsification, repeated use of assignments and cheating in examinations, are considered as serious academic offenses and may lead to disciplinary actions. Students should read the relevant regulations and guidelines in the Student Handbook which is distributed upon the admission into the University, a copy of which can also be found at www.mpu.edu.mo/student_handbook/.