



**FACULTY OF HEALTH SCIENCES AND SPORTS**  
**BACHELOR OF SCIENCES IN NURSING**  
**LEARNING MODULE OUTLINE**

|                       |  |               |  |
|-----------------------|--|---------------|--|
| Academic Year         | 2023 / 2024                                      | Semester      | II   |
| Module Code           | NRES3102   |               |  |
| Learning Module       | Nursing Research                                 |               |  |
| Pre-requisite(s)      | Nil  |               |  |
| Medium of Instruction | English/Chinese                                  |               |  |
| Credits               | 3  | Contact Hours | 22.5 hrs   |
| Instructor            | Dr. Wang, Xin Amy*                               | Email         | <a href="mailto:amywang@mpu.edu.mo">amywang@mpu.edu.mo</a> |
| Office                | LG103, LG1/F, Block 3, AE Building, Taipa Campus | Office Phone  | 8893 6946  |

**MODULE DESCRIPTION**

This subject is designed to assist students in understanding the research process. Emphasis is placed upon the nurse as a research consumer and enhancement of her/his ability to participate in the research process. Opportunities will be provided for the design of plans for investigating nursing problems.

**MODULE INTENDED LEARNING OUTCOMES (ILOS)**

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

|     |   |
|-----|---|
| M1. | Discuss the relationship between research and nursing practice.   |
| M2. | Discuss the interrelationship of the components of the research process.  |
| M3. | Demonstrate understanding and application of the philosophical, methodological and ethical dimensions of research activity. |
| M4. | Understand the basic data analysis on different types of research studies (e.g., qualitative and quantitative studies).     |
| M5. | Formulate research questions arising from clinical practice or concerning policy development.                               |
| M6. | Utilize research findings to shape clinical practice, education, and public policy.   |



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

| PILOs  | 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 a mastery and an 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 health of the community.  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| P6. Work effectively and efficiently alone or in teams.  |    |    |    | ✓  | ✓  | ✓  |
| P7. Demonstrate the ability to identify and evaluate health care issues.   | ✓  |    | ✓  |    | ✓  | ✓  |
| P8. Demonstrate a critical understanding and apply the principles of evidence-based practice to the delivery of nursing care.  | ✓  | ✓  | ✓  |    | ✓  | ✓  |

#### MODULE SCHEDULE, COVERAGE AND STUDY LOAD

| Week | Content Coverage  | Contact Hours |
|------|---|---------------|
| 1    | Introduction Research Process: Quantitative; Ethics in Nursing Researches                               | 2             |
| 3    | Research Problems, Purposes, Questions and Hypotheses; Principles for selecting nursing research topics | 2             |
| 3    | Conceptual and Theoretical Frameworks; Populations, Samples   | 2             |
| 3    | Measurement and Bias  | 2             |
| 4    | Study Designs I: Cross-sectional and Experimental Study   | 2             |
| 4    | Study Designs II: Case-control Studies and Cohort Study   | 2             |
| 4    | Validity; Reliability   | 2             |
| 4    | Questionnaire preparation; Quantitative Data Collection   | 2             |
| 5    | Quantitative Data Analysis  | 4             |
| 5    | Writing a Research Proposal   | 2.5           |



## TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities:

| Teaching and Learning Activities | M1 | M2 | M3 | M4 | M5 | M6 |
|----------------------------------|----|----|----|----|----|----|
| T1. Group assignment             | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| T2. Discussion                   | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

## 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.....) |
|-----------------------|---------------|---|
| A1. Group assignment  | 100           | 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](http://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.

## MARKING SCHEME

| Assessment Activities   | Assessment Criteria   | Mark Ranges    |                        |                   |                  |                              |
|-------------------------|---|----------------|------------------------|-------------------|------------------|------------------------------|
|                         |   | 88-100<br>High | 73-87<br>Signification | 58-72<br>Moderate | 50-57<br>Basic   | <50<br>Fail                  |
| A1. Assignments (group) | Demonstrate the ability to complete individual or group assignment, answer questions on the topics covered in the module. | Excellent      | Good/<br>Very Good     | Satisfactory      | Marginal<br>Pass | Not reaching marginal levels |



## REQUIRED READINGS

胡雁、王志穩（2022）。護理研究（6th 版）。北京：人民衛生出版社

## REFERENCES

### Journal(s)

International Journal of Nursing Studies ([http://www.elsevier.com/wps/find/homepage.cws\\_home](http://www.elsevier.com/wps/find/homepage.cws_home))

Journal of Advanced Nursing

(<http://www.journalofadvancednursing.com/>)

Nursing Research

(<http://www.nursing-research-editor.com/index.php>)

Chinese Nursing Research (護理研究) (Mainland China)

(<http://c.wanfangdata.com.cn/periodical-sxhlzz.aspx>)

The Journal of Nursing Research (護理研究) (Taiwan)

([http://www.twna.org.tw/frontend/un10\\_open/welcome.asp#](http://www.twna.org.tw/frontend/un10_open/welcome.asp#))

### Website(s)

CINAHL Plus with Full Text

Ovid

ScienceDirect

## STUDENT FEEDBACK

At the end of every 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/](http://www.mpu.edu.mo/student_handbook/).



### Time table

| Session | Teacher | Date                | Time        | Topic   |
|---------|---------|---------------------|-------------|---|
| 1       | Wang    | 3/1/2024<br>(Wed)   | 14:30-16:30 | Introduction Research Process: Quantitative; Ethics in Nursing Researches                               |
| 2       | Wang    | 15/1/2024<br>(Mon)  | 14:30-16:30 | Research Problems, Purposes, Questions and Hypotheses; Principles for selecting nursing research topics |
| 3       | Wang    | 16/1/2024<br>(Tue)  | 11:00-13:00 | Conceptual and Theoretical Frameworks; Populations, Samples   |
| 4       | Wang    | 18/1/2024<br>(Thur) | 14:30-16:30 | Measurement and Bias  |
| 5       | Wang    | 22/1/2024<br>(Mon)  | 14:30-16:30 | Study Designs I: Cross-sectional and Experimental Study   |
| 6       | Wang    | 23/1/2024<br>(Tue)  | 14:30-16:30 | Study Designs II: Case-control Studies and Cohort Study   |
| 7       | Wang    | 24/1/2024<br>(Wed)  | 14:30-16:30 | Validity; Reliability   |
| 8       | Wang    | 25/1/2024<br>(Thur) | 14:30-16:30 | Questionnaire preparation; Quantitative Data Collection   |
| 9       | Wang    | 29/1/2024<br>(Mon)  | 14:30-16:30 | Quantitative Data Analysis-1  |
| 10      | Wang    | 30/1/2024<br>(Tue)  | 14:30-16:30 | Quantitative Data Analysis-2  |
| 11      | Wang    | 31/1/2024<br>(Wed)  | 14:30-17:00 | Writing a Research Proposal   |