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

FACULTY OF HEALTH SCIENCES AND SPORTS

MASTER OF SCIENCE IN NURSING

LEARNING MODULE OUTLINE

Academic Year	2024/2025	Semester	I
Module Code	NURS6299		
Learning Module	THESIS		
Pre-requisite(s)	-		
Medium of Instruction	Chinese / English		
Credits	12	Contact Hours	--
Instructor	YUAN HAOBIN, GRACE MENG LI RONG, LEONG SIN U CINDY, DAI HONGXIA, WANG YAN, KERRY HSU MEI-HUA WANG XIN PANG WENG IAN GLENN, LUO ZHI MIN KARRY LIU MING CYMON CHEN YOK MAN	Email	hbyuan@mpu.edu.mo, lrmeng@mpu.edu.mo, suleong@mpu.edu.mo, hxdai@mpu.edu.mo, ywang@mpu.edu.mo, kerryhus@mpu.edu.mo amywang@mpu.edu.mo wipang@mpu.edu.mo glennluo@mpu.edu.mo Karryliu@mpu.edu.mo ymchan@mpu.edu.mo
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MODULE DESCRIPTION

This course requires students to explore in-depth a specific research situation in nursing practice and health care. The core issues of research situation are identified. Students would examine related research literature to obtain a thorough understanding of the core issues needed. Subsequently, in order to deal with the identified issues, students would develop a research proposal, conduct an ethic approval, conduct data collection and analysis, complete a thesis, and should complete the thesis defences successfully.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Demonstrate advanced skills of investigation, critical thinking, problem-solving, decision-making, management, communication and team collaboration.
M2.	Complete a systematic literature review and conduct a literature appraisal critically.
M3.	Demonstrate advanced sensitivity to contemporary issues in nursing practice and health care.
M4.	Design a research method to explore the practical problems.
M5.	Conduct a research on a specific research situation in nursing practice and health care.
M6.	Demonstrate advanced skills of writing proposals and thesis in an academic style and at the publishable level.

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

PILOs	M1	M2	M3	M4	M5	M6
P1. Knowledge and awareness of a range of advanced modules, fields, theories and approaches applicable to nursing discipline	✓	✓	✓	✓	✓	✓
P2. Knowledge and understanding of advanced assessment tools used to assess and interpret issues in nursing, challenges and risks in a changing context	✓	✓	✓	✓	✓	✓
P3. Critical understanding of the growing scientific and clinical literature which affect nursing in practice	✓	✓	✓	✓	✓	✓
P4. Knowledge of advanced nursing competency working in different clinical specialties	✓	✓	✓	✓	✓	✓
P5. Develop an understanding of the theories, analytical approaches, methodologies and practices that underpin nursing in modern society	✓	✓	✓	✓	✓	✓
P6. Evaluate, extrapolate and synthesise relevant literature and empirical data and competently apply these to different nursing actual situations	✓	✓	✓	✓	✓	✓
P7. Develop ability to apply nursing theory to the analysis of a broad range of actual problems in current practice area	✓	✓	✓	✓	✓	✓
P8. Develop the capabilities in clinical analysis and thinking, as well as disciplinary research	✓	✓	✓	✓	✓	✓
P9. To learn continuously within academia and industry and beyond and to employ relevant information and knowledge in understanding different contexts	✓	✓	✓	✓	✓	✓
P10. To acquite research skills and values which can provide different approaches to the problem solving and decision making in nursing area	✓	✓	✓	✓	✓	✓
P11. To develop advanced knowledge and analytical skills that are tranferable to nursing in practice	✓	✓	✓	✓	✓	✓
P12. To reinforce evidenced-based nursing through learnt knowledge and skills in research	✓	✓	✓	✓	✓	✓
P13. To have a positive attitude towards society and the environment	✓	✓	✓	✓	✓	✓
P14. To adhere to high moral standards and to commit to excellence in life-long learning	✓	✓	✓	✓	✓	✓

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage
	1. Research topic and issues: describe research topic and explain the core issues. 2. Research focus: formulate research focus 3. Background, significance of research: apply theoretical knowledge to practical situation
	4. Relevant literature review: conduct a literature review systematically and a critical appraisal and make a review summary and define the research gaps. 5. Theoretical framework and/or hypothesis: apply theoretical knowledge to develop a conceptual framework for the research phenomenon and define the research gaps 6. Research objectives

	7. Methodology
	  7.1 Research design
	  7.2 Sample and Sampling method: define sample size and make a plan for sampling)
	  7.3 Research settings
	  7.4 Research variables
	  7.5 Instruments : choose/modify /develop the research instruments
	  7.6 Research intervention and quality control

	Proposal assessment and ethical approval
	8. Technical & ethical consideration : conduct a comprehensive consideration with reasonable solutions 9. Data collection methods and process: Conduct an appropriate data collection methods and process 10. Data analysis methods: Conduct an appropriate data analysis
	11. Writing research proposals and thesis: Complete an research proposal and a thesis
	12. Thesis defences

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. Tutorial discussion	✓	✓	✓	✓	✓	✓
T2. Tutorial guidance	✓	✓	✓	✓	✓	✓

ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Master'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

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

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Thesis defense is conducted with a committee. This learning module is graded on a 100 point scale, with 100 being the highest possible score and 50 being the passing score.	100	✓

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.

MARKING SCHEME

Assessment form for Master Thesis Defense

Student name	
Student number	
Research topic	

Assessment Criteria	Weighting	Score and comments
Abstract : Objectives, Methods, Results, Conclusions Key words	2%	
1. Background and significance **Research Background** （3%） • Well justified according to current situation • Relevant issues explored • Adequate supportive evidences **Research significance** （2%） • Research gap and significance of research • Reasonable explanation	5%	
2. Literature reviews • Theoretical definitions of research concepts (2%) • Measurements of research concepts (2%) • Appraise the relevant literature critically (4%) • Review summary (1%)	9%	
3. Theoretical framework or Philosophical perspective (in qualitative research) • Theory or philosophy appropriate to the study • Understanding and explanation of theory application	3%	
4. Research objectives • Reasonable & feasible purpose • Relevant to nursing practice	2%	
Theoretical Hypothesis (if applicable) • Propose the relationships among research concepts based on theoretical models/theoretical assumptions • Related to the research objectives	2%	

Assessment Criteria	Weighting	Score and comments
5. Methodology **5.1 Research Design**	1%	
5.2 Research Population • Population (0.5%) • Sample Appropriate sample size (0.5%) Appropriate sampling method (1%) Inclusion and exclusion criteria (1%)	3%	
5.3 Research settings	0.5%	
5.4 Research concept • Clear operational definition for each research concept • Relevant hypothesis with theoretical evidences	2%	
5.5 Instruments • Detailed explanation • Validity and reliability	5%	
Intervention **(if applicable)** • Intervention process • Quality control	3%	
5.6 Data collection and data analysis **5.6.1 Data collection** • Appropriate data collection methods • Appropriate data collection process	3%	
5.6.2 Technical & ethical consideration • Comprehensive consideration • Reasonable solutions	4.5%	
5.6.3 Data analysis methods • Appropriate statistical methods • Match the research purpose	3%	
Results • ***Basic information*** (5%) • ***Research findings*** (10%) • Correct statistical analysis • Explanation of all findings	15%	
Discussion • ***Discussion of basic information (2%)*** • ***Discussion of research findings (20%)*** • With theoretical evidences • Comparison with the previous studies	22%	

Assessment Criteria	Weighting	Score and comments
Conclusions and Suggestions • *Conclusion (2%)* • *Recommendations (2%)* • *The contribution and limitations of this study (4%)*	8%	
References and Appendix • Current references (local and international literature) • Documents: instruments, consent forms, intervention planning, etc.	3%	
Quality of writing • systematic organization • correct formats	4%	

Total Score :　　　　　　　　　　　　　（　　）/100 = （　　）%

If no intervention：　　　　　　　　　　（　　）/ 97 = （　　）%

If no hypothesis and intervention：　　　（　　）/ 95 = （　　）%

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word count：

☐　　**18000~22000**

☐　　**Less than 18000 or great than 22000　total score -5 = (　　　) %**

Marks Ranges	Grade	Grade Point	Grade Definitions**
93–100 88 – 92	A A-	4.0 3.7	Excellent
83 – 87	B+	3.3	Very Good
78–82 73 – 77	B B-	3.0 2.7	Good
68–72 63–67 58 – 62	C+ C C-	2.3 2.0 1.7	Satisfactory
53 – 57 50 – 52	D+ D	1.3 1.0	Passed
0 – 49	F	0	Failed

REQUIRED READINGS

REFERENCES

Polit, D. F., & Beck, C. T. (2016). Nursing research generating and assessing evidence for nursing practice (10th ed.). Philadelphia: Lippincott Williams & Wilkins.

Plichta, S. B., & Garzon, L. S. (2009). Statistics for nursing and allied health. Philadelphia: Wolters Kluwer/Lippincott Williams & Wilkins Health.

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/.