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	2024/2025	Semester	II
Module Code	NCLP4102- 421/422		
Learning Module	Clinical Project		
Pre-requisite(s)	Health Statistics (NSTA3101), Nursing Research (NRES3102)		
Medium of Instruction	Chinese / English		
Credits	2	Contact Hours	30
Instructor	Dr. Kerry HSU (Subject Teacher); Prof. Karry LIU; Dr. Cindy LEONG; Dr. Cymon CHAN; Dr. Yang WANG; Dr. Bin LANG; Dr. Ruth MIO; Dr. Angela POON; Dr. Phoenix PANG; Dr. Grace LOK.	Email	kerryhsu@mpu.edu.mo karryliu@mpu.edu.mo suleong@mpu.edu.mo ymchan@mpu.edu.mo ywang@mpu.edu.mo blang@mpu.edu.mo kwmio@mpu.edu.mo angelapoon@mpu.edu.mo wipang@mpu.edu.mo kilok@mpu.edu.mo
Office	GF006, BL-3, Taipa Campus	Office Phone	8893 6940

MODULE DESCRIPTION 學科單元/科目概述

This course requires students to explore in-depth a specific topic of clinical nursing practice and health care. The core issues of this topic are identified. Students would examine related research reports and literature to obtain a thorough understanding of the core issues and the actions needed. Subsequently, in order to deal with the identified issues, students would make an action plan or a research proposal.

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.	Demonstrate high level thinking skills - investigation, logical, analytical, critical, problem-solving, innovative, and decision-making.
M2.	Demonstrate advanced sensitivity to contemporary issues in nursing practice and health care.
M3.	Demonstrate advanced skills of using available evidence in reviewing current practice in nursing and health care.
M4.	Demonstrate literature review and appraisal critically to current situations in nursing practice and health care.
M5.	Demonstrate advanced skills of developing action plans for improving nursing practice and health care.
M6.	Demonstrate advanced skills of writing proposals for clinical projects in an academic style and at the publishable level.

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
1-4	1. Research topic and issues: groups and supervisors arrangements. **(UNDERSTAND:** describe research topic and explain the core issues). 2. Research focus. **(UNDERSTAND:** formulate research focus). 3. Background, significance of research **(MASTER:** apply theoretical knowledge to practical situation).	8 (Individual supervisor)
	4. Relevant literature review **(MASTER:** conduct a literature review systematically and a critical appraisal and make a review summary and define the research gaps).	

Week 週	Content Coverage 涵蓋內容	Contact Hours 面授學時
	5. Theoretical framework and/or hypothesis. (**MASTER**: apply theoretical knowledge to develop a conceptual framework for the research phenomenon) 6. Research objectives (**MASTER**: define the research gaps)	
5-6	7. Methodology 7.1 Research design (**MASTER**: design the research method) 7.2 Sample and Sampling method (**MASTER**: define sample size and make a plan for sampling) 7.3 Research settings (**UNDERSTAND**: describe the research settings) 7.4 Research variables (**UNDERSTAND**: define research variables) 7.5 Instruments (**MASTER**: choose/modify /develop the research instruments) 7.6 Research intervention (**MASTER**: develop the intervention and quality control)	8 (Individual supervisor)
7-8	8. Technical & ethical consideration (**MASTER**: conduct a ccomprehensive consideration with reasonable solutions) 9. Data collection methods and process (**MASTER**: Conduct an appropriate data collection methods and process) 10. Data analysis methods (MASTER: Conduct an appropriate data analysis)	4 (Individual supervisor)
9-12	11. Writing research proposals (**MASTER**: Complete a research proposal)	4 (Individual supervisor)
12	12. Research proposal presentation (**MASTER**: Complete proposal presentations)	6 (Panel Members)

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. Tutorial discussion	✓	✓	✓	✓	✓	✓
T2. Tutorial guidance	✓	✓	✓	✓	✓	✓
T3. Proposal presentation	✓	✓	✓	✓	✓	✓

Tutorial discussion, work, Tutorial and Group presentation. Computer randomized grouping was used for the group generation.

Class 4A- Prof. LIU, Ming; Dr. LEONG, Cindy; Dr. WANG, Yan; Dr. PANG, Phoenix; Dr. LOK, Grace

Group	Individual Supervisor	Students' name/ Topic
1	Dr. PANG, Phoenix	鄭景耀、蔡雅雯、施寶怡、趙家俊、蔣浩賢、關凱琦、盧苑祺、許志健 /澳門護理本科生對於體重管理認知、態度、行為之相關因素分析
2	Dr. LOK, Grace	姚映彤、王梓駿、鄭俊軒、王影芝、張震凱、黎蘊怡、吳靜瑩、陳琇媛 /基於人口老化研究影響澳門仁伯爵綜合醫院護士多重慢病管理能力的因素及關係
3	Dr. WANG, Yan	張深兒、馮志康、周灝正、陳澤林、鄒子華、歐藹琳、梁美群、梁慧賢 /澳門護理本科生對精神病患者的護理意願及相關因素分析
4	Prof. LIU, Ming	楊俊傑、蔡樂兒、李曉晴、袁思詠、顏慧姿、鍾穎康、麥早慧 / Prevalence of depression among young adults (aged 18–24 years) and its related risk factors: A cross-sectional study (年輕人（18-24 歲）憂鬱症盛行率及其相關危險因子：橫斷面研究)
5	Dr. LEONG, Cindy	梁智軒、羅天慧、林迅然、李穎琛、陳俊賢、何嘉恩、林春蘭 /探討本澳長者睡眠品質及影響因素

Class 4B- Dr. CHAN, Cymon; Dr. LANG, Bin; Dr. MIO, Ruth; Dr. HSU, Kerry; Dr. POON, Angela

Group	Individual Supervisors	Students' name/ Topic
1	Dr. HSU, Kerry	楊政嵐、陳浩聰、歐陽敏彤、盧浩然、陳瑩、侯嘉彥、李華輝、李顯蕎 /澳門中年人士對養老地點的選擇及影響因子之探討
2	Dr. POON, Angela	陳凱晴、李家穎、許弘曆、周彤、吳俊傑、楊竣羽、黎穎虹、胡芷晴 /探討澳門居民對器官捐贈的知識、信念、行為研究
3	Dr. LANG, Bin	陳彥伶、吳芷柔、林嘉怡、高麗怡、容梓銘、李靖曦、譚嘉穎、李梓峰 /澳門老年 2 型糖尿病患者飲食依從性及其影響因素分析
4	Dr. CHAN, Cymon	伍穎芝、陳芷蕎、林寶恩、李穎濠、鄭巧兒、施銘皓、梁康樂、陳斯瑾 /澳門某護理大學生面對實習壓力時情緒調節之相關性研究
5	Dr. MIO, Ruth;	余潔瑩、黃邵姍、黃煒能、何錦興、鍾穎欣、司徒俏君、胡咏同 /澳門中年人士對骨質疏鬆的自我效能與預防行為的影響因素

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Activities and schedule

Activities	Date	Supervisors
1. Subject Introduction: • Learning objectives • Plan of activities • Assessments • Arrangement of supervisors • Revision of research knowledge	Start in Nov 2024	Individual Supervisor
2. Identification of the topic and core issues: • Share own clinical experience within the group • Identify issues about practice • Review related literature • Consider different options • Consult the supervisor for finding the focus	Start in Nov 2024	Individual Supervisor
3. Group tutorials	Start in Nov 2024	
4. Presentation (all groups) **(1) Background and Literature** ● Explain background ● Review on research concepts ● Appraise and summarize the relevant literature critically (The studies published in international professional Journals should be included) ● Significance of research *(Do you expect that the research contributes to discovering new knowledge for your current work?* *Do you expect that it helps solve your problem?* *Do you expect that the action plan makes significant changes for improvement?* **)** **(2) Research objectives** **(3) Theoretical framework and hypothesis** **(4) Methodology** • rational design of study • appropriate sampling method • description of research settings • research variables • instruments (detailed explanation, validity, reliability, etc) • description of intervention (if possible) • appropriate data collection methods and process • appropriate data analysis methods **(5) Technical & ethical consideration** • comprehensive consideration • reasonable solutions **(6) Study limitations** **(7) Work plan and budget** **(8) References and Appendix**	**Thu, 20 Feb 2025 (Venue: TBI)**	Panel Members

Activities	Date	Supervisors
5. Submission of PPT files (4 copies, for panel reviews, Before presentations)	Before Mon, 17 Feb 2025	Panel Members
6. Submission of written assignments (1 copy, for course evaluation): <u>Similarity report is needed, the similarity rate should be below 20%.</u>	Before Thu, 20 Feb 2025	Individual Supervisor
7. Submission of presentation PPT files (4 copies, for course evaluation) to panel members		Panel Members

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. Any student scoring less than 50% of the total mark will be given an "F" grade for the course.

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

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. End-of-course assessment (Presentation by Panel Members: 35%; Written assignment by Individual Supervisors:35%)	70%	M1,M2,M3,M4,M5,M6
A2. Continuous assessment (Individual performance by Supervisors 25%; Peer evaluation 5%)	30%	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.

Presentation
(1) Presentation of the research proposal: **55 minutes** per group
  ● **30 minutes** for group presentation
  ● **10 minutes** for peer question
  ● **15 minutes** for panel question

(2) All groups should use the PowerPoint for presentation.
(3) Contents should be written in either English or Chinese.
(4) Presentation would be done in Chinese, supplemented by English.

Written Work
  • The 'General Guide for Written Assignment' should be followed.
  • Either English or Chinese could be used. For citations and references from different language sources, the original language should be used.

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MARKING SCHEME (評分準則)

1. Assessment criteria for presentation of research proposal (100%)

Assessment Criteria	Weighting	Score and comments

Background and literature
 ● Explain background:
     ● well justified according to current situation
     ● relevant issues explored
     ● adequate supportive evidences
 ● Review on research concepts
 ● Appraise and summarize the relevant literature critically (The studies published in international professional Journals should be included)
 ● Research Gap and significance of research: -
 Reasonable explanation *(Do you expect that the research contributes to discovering new knowledge for your current work? Do you expect that it helps solve your problem?)*
	35%	

Research objectives • Reasonable & feasible purpose • Relevant to nursing practice	3%	
Theoretical framework or hypothesis • theory appropriate to the study • understanding and explanation of theory application	7%	
Methodology • rational design of study • appropriate sampling method • description of research settings • research variables (operational definition) • instruments (detailed explanation, validity, reliability, etc) • description of intervention (if possible) • appropriate data collection methods and process • appropriate data analysis methods	35%	
Technical & ethical consideration • comprehensive consideration • reasonable solutions	5%	
Study limitations **Work plan and budget** • time frame • comprehensive and reasonable budget • documents : consent forms, letter for approvals. **References** **Appendix**	5%	
Quality of presentation • appropriate organization • effective use of AV equipment • good team work • maximal use of time	10%	
Total Score		

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

Comment:

Signature of supervisor:

Date:

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2. Assessment criteria for final written assignment (100%)

Assessment Criteria	Weighting	Score and comments

Background and literature
●   Explain background:
    ● well justified according to current situation
    ● relevant issues explored
    ● adequate supportive evidences
●   Review on research concepts
●   Appraise and summarize the relevant literature critically (The studies published in international professional Journals should be included)
●   Research Gap and significance of research:
  Reasonable explanation *(Do you expect that the research contributes to discovering new knowledge for your current work? Do you expect that it helps solve your problem?*)
	35%	

Research objectives • Reasonable & feasible purpose • Relevant to nursing practice	3%	
Theoretical framework or hypothesis • theory appropriate to the study • understanding and explanation of theory application	7%	
Methodology • rational design of study • appropriate sampling method • description of research settings • research variables (operational definition) • instruments (detailed explanation, validity, reliability, etc) • description of intervention (if possible) • appropriate data collection methods and process appropriate data analysis methods	35%	
Technical & ethical consideration • comprehensive consideration • reasonable solutions	5%	
Study limitations **Work plan and budget** • time frame • comprehensive and reasonable budget • documents: consent forms, letter for approvals, etc. **References** **Appendix**	5%	
Quality of writing • systematic organization • communicative • use of proper expressions • correct formats • total words count below 20000	10%	
Total Score		

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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

Comment:

Signature of supervisor:

Date:

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3. Evaluation of individual performance (100%)

Areas of Assessment	*Weighting*	Score and comments
1. Skills of investigation	9%	
2. Skill of critical thinking	9%	
3. Skill of innovation	9%	
4. Skill of applying evidence to practice	9%	
5. Skills of planning to improving nursing	9%	
6. Skill of logical & analytical thinking	9%	
7. Skill of problem solving	9%	
8. Skill of decision making	9%	
9. Sensitivity to nursing issues	9%	
10. Skill of academic writing	9%	
11. Participation	10%	
Total	**100%**	

Comment:

Signature of supervisor:

Date:

Note:
(1) All students are required to assess the *individual performance* of the other members in their own group, and submit to their own supervisor the "*Peer Evaluation Scores*".
(2) Individual performance (evaluated by **Individual Supervisors**): 90-95% for Excellent ; 80-85% for good

4. Evaluation of individual performance (100%) (Peer Evaluation)

Areas of Assessment	Weighting	Score and comments
1. Skills of investigation	9%	
2. Skill of critical thinking	9%	
3. Skill of innovation	9%	
4. Skill of applying evidence to practice	9%	
5. Skills of planning to improving nursing	9%	
6. Skill of logical & analytical thinking	9%	
7. Skill of problem solving	9%	
8. Skill of decision making	9%	
9. Sensitivity to nursing issues	9%	
10. Skill of academic writing	9%	
11. Participation	10%	
Total Score	**100%**	

Note: All students are required to assess the *individual performance* of the other members in their own group, and submit to their own supervisor the "*Peer Evaluation Scores*" before **6 February 2024**.

Comment:

Evaluator signature:

Date:

REQUIRED READINGS 書單

Reference Book(s)

胡雁、王志穩（2022）。*護理研究*（第六版）。北京：人民衛生出版社。

孫振球、徐勇勇(2020) 。*醫學統計學*（第五版）。北京：人民衛生出版社。

劉明(2008)。*護理質性研究*。北京:人民衛生。

Burns, N., & Grove, S. K. (2022). *The practice of nursing research: appraisal, synthesis, and generation of evidence* (10th ed.). St. Louis, Mo.: Saunders/Elsevier.

Grove, S. K., & Cipher, D. J. (2024). *Statistics for Nursing Research: A Workbook for Evidence-Based Practice* (4th ed.). Texas: Elsevier.

Heavey, E. (2022). *Statistics for nursing: A practical approach* (4th ed.). Burlington, MA: Jones & Bartlett Learning.

Moule, P., & Goodman, M. (2017). *Nursing research: an introduction* (3rd ed.). London: SAGE.

Polit, D. F., & Beck, C. T. (2024). *Nursing research generating and assessing evidence for nursing practice* (12th ed.). Philadelphia: Lippincott Williams & Wilkins.

Journal(s)

Chinese Nursing Research (护理研究) (Mainland China)
(http://c.wanfangdata.com.cn/periodical-sxhlzz.aspx)

International Journal of Nursing Studies (http://www.elsevier.com/wps/find/homepage.cws_home)

Journal of Advanced Nursing
(http://www.journalofadvancednursing.com/)

Nurse Education Today
(https://www.journals.elsevier.com/nurse-education-today)

Nursing Research
(http://www.nursing-research-editor.com/index.php)

The Journal of Nursing Research (護理研究) (Taiwan)
(http://www.twna.org.tw/frontend/un10_open/welcome.asp#)

Website(s)

CINAHL Plus with Full Text

Skills

Ovid

ScienceDirect

MEDLINE

中國期刊全文數據庫 (CAJ)

澳門虛擬圖書館

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/.

Appendix 1

Guideline of writing assignment

<div align="center">

Title of Clinical Project

</div>

Abstract: Background, Purpose, Method, Significance

Keywords: less than five keywords

1. Introduction

1.1 Background

1.2 Significance

2. Literature Review: (Rule of the literature search and table for included at least 10 published studies)

2.1 Definition of Terms or Concepts (definition and operational definition)

2.2 Current status of the study

2.3 Factors of current concepts

2.4 Gaps of studies: Participants, sampling, design, instruments (validity and reliability), ethical consideration, data analysis, results.

2.5 Summary of literature review

3. Purpose

4. Conceptual Framework (justification needed if using existing model/theory)

4.1 Research Hypotheses if possible

5. Method

5.1 Research Design

5.2 Sampling Plan: Population, Sampling (sampling design, inclusion/exclusion criteria), Sample Size (descriptions of the sampling and size for groups if intervention involved), and procedures for recruiting subjects.

5.3 Setting

5.4 Variables

5.5 Instrument: Source (The justification for the reason of this instrument being selected- the minimum of three tools for the comparison), target population, content, measures, scoring, criteria; validation (reliability and validity).

5.6 Intervention if experiments involved (brief descriptions of interventions between control and experimental groups)

5.7 Data collection procedure

5.8 Data analysis

5.9 Ethical consideration

6. Limitation

7. Time frame

8. Budget

9. Reference (Chinese and English journal articles involved by following APA format)

Appendix: Instrument, Informed consent, Fund application of research project, Application of agreement for research project from cooperating agency)

中文書寫大綱

題目(居中)

摘要： 背景、目的、方法、意義

關鍵詞：不多於五個關鍵詞

一、 研究背景與研究意義

二、 文獻回顧：(文獻檢索方式，每個概念需納入至少 10 篇文章並以表格比較及呈現)

    2.1 名詞或概念界定(變項、定義及操作型定義)

    2.2 研究現狀

    2.3 相關因素

    2.4 文獻空隙：研究對象、樣本量（大小、樣本量計算等）、研究設計與方法（包括抽樣方法）、理論框架、倫理考量、研究工具（包括信效度）、統計方法、研究結果。2.5 文獻小結

三、 研究目的概念框架：若使用現存理論或模式需闡明使用依據(如有研究假設請附在概念框架之後)

四、 研究方法

    4.1 研究設計

    4.2 研究對象

        4.2.1 總體

        4.2.2 樣本

        4.2.3 抽樣方法

        4.2.4 納入標準/排除標準

        4.2.5 樣本量（若為干預性或分組性研究，應闡明分組方法及每組樣本量）

    4.3 研究場所

    4.4 研究變量（定義及操作性定義）

    4.5 研究工具：具體描述研究工具的來源(選用工具理由-至少比較三種工具或問卷)、適宜人群、測量內容、測量方法、計分方法、得分含義；研究工具的信度與效度

    4.6 干預方法（若為干預性研究應闡明各組的具體干預過程，包括干預組和對照組）

    4.7 資料收集方法與步驟

    4.8 資料分析方法

    4.9 研究倫理原則（人權保護措施）

五、 研究限制（研究的局限性）

六、 研究時間表

七、資金申請

八、參考文獻（應包含中文和英文的專業研究文獻）

附件

測量工具、研究對象的知情同意書、合作機構研究同意書、資金申請書等