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	2025-2026	Semester	II
Module Code	NURS6142		
Learning Module	Evidence-Based Nursing Practice		
Pre-requisite(s)	Nil		
Medium of Instruction	Chinese/English		
Credits	3	Contact Hours	45 hrs
Instructor	Dr. YUAN, Haobin Dr. Gao Lin lin	Email	hbyuan@mpu.edu.mo llgao@mpu.edu.mo
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MODULE DESCRIPTION

Evidence-based nursing is designed to nurture nursing students' abilities for using the best evidences to carry out nursing practice. The 45-hour subject elaborates and analyses principles, steps and methods of evidence-based practice, and explores the applications of the best evidences in nursing research and nursing practice. The contents include evidence-based nursing theory and evidence-based nursing practice which includes the applications and evaluations of the best evidences in nursing practice.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Explore the principles of evidence-based nursing practices
M2.	Apply data retrieval, quality appraisals of literature
M3.	Conduct the systematic reviews, meta-analysis, meta-synthesis, and clinical practice guidelines
M4.	Discuss the issues of evidence-based nursing practices
M5.	Demonstrate competence in clinical reasoning and evidence-based nursing research

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

PILOS	M1	M2	M3	M4	M5
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

Chapter	Content Coverage	Contact Hours
1	The principles of evidence-based nursing	1.5
2	The characteristics and grading of evidences	1.5
3	The evidence resources and retrieval methods	3
4	Data retrieval and quality appraisals of literature	3
5	Systematic reviews: meta-analysis	9

6	Systematic reviews: meta-synthesis	3
7	Clinical practice guidelines	3
8	Evidence clinical translation model	3
9	Data retrieval and quality appraisals of literature	4
10	Systematic reviews evidence practice in specific nursing phenomenon	4
11	Systematic reviews on qualitative evidence or effectiveness evidence	6
12	Systematic reviews on qualitative evidence or effectiveness evidence	4

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
T1. Lectures	✓	✓	✓	✓	✓
T2. Tutorial small group discussions	✓	✓	✓	✓	✓
T3. Seminars	✓	✓	✓	✓	✓

ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing [Doctoral/Master's/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

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

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Continuous assessment	1) Classroom performance (5) 2) Group assignment Data retrieval and quality appraisals of literature (25)	M1, M2, M3, M4, M5
A2. Final assessment	3) Written assignment : -Develop a protocol in systematic reviews of qualitative evidence or effectiveness evidence (70) **OR** - Systematic reviews on evidence practice in specific nursing phenomenon (70)	M1, M2, M3, M4, M5

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.

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MARKING SCHEME

1) Classroom performance
   Assessment is based on students' classroom attendance, response to questions, participation in discussions, and exercise in class.
2) Assessment Criteria for Group assignment

Appendix 1 Assessment criteria for Group assignment (**Group oral presentations in class**)

Assessment Criteria	Weighting	Score and comments
1. Identification of nursing phenomenon • clear and specific description • reasonable explanation • well justified according to current situation adequate supportive evidences	15%	
2. Search the relevant literature • Updated information • The relevant literature	10%	
3. Data retrieval and quality appraisals of literature • Understanding of the principles • Key information included • Well justified according to the evaluation guidelines • Reasonable explanation	50%	
4. Issue discussions • Clear and specific description • Reasonable explanation • Well justified according to current situation • Critical information included	20%	
5. Quality of presentation and writing • Updated information • The relevant literature • Systematic organization • Communicative • Good team work • Maximal use of time	5%	
Total Score		100%

Appendix 2 Assessment criteria for written assignment (evidence practice in specific nursing phenomenon)

Assessment Criteria	Weighting	Score and comments
1. Introduction • Key issues on the nursing phenomenon	5%	
2. Issues formulation • Clear and specific description • Well justified according to current situation • The relevant issues explored	10%	
3. Searching for evidences • Adequate supportive evidences • Reasonable explanation • Updated information • Database and key words • At least 10 papers should be published in professional Journals	20%	
4. Evidences appraisal • Appraising the relevant literature critically • Summarizing the strengths and limitations and application of each interventions	20%	
5.Untilization of evidences • Integration of evidences and practice • Solutions to the problem are comprehensive and rational	20%	
6.Summarizing the evidences and suggestion • Suggestions for improving clinical practice and rationales	15%	
7.References • Relevant information • Update and adequate supportive evidences	5%	
8. Quality of presentation and writing • Systematic organization • Communicative • Maximal use of time • Use of proper expressions • Correct format	5%	
Total Score		100%

已註解 [YH1]:

word count：

☐ 2700 ~ 3300

☐ Less than 2700 or great than 3300   total score -5 = (   ) %

3) Assessment criteria for written assignment: a protocol in systematic reviews of qualitative evidence or effectiveness evidence

Assessment Criteria	Weighting	Score and comments
1. Title of the systematic review protocol	5%	
2. Review question(s)	10%	
3. Introduction • Provide context to the review • Justify the rationale and conduct of the review • Indicate what the review project is trying to achieve clearly • Refer to existing international literature to support and inform the inclusion criteria	20%	

4. Method
4.1 Inclusion Criteria
• Situate the PICo / PICOS and put the inclusion criteria into context
4.1.1 Types of participants /P (population) (3%)
4.1.2 Phenomena of interest / I/E (Intervention/exposure) and C (Control/Comparator): (5%)
4.1.3 Context/ O (Outcome) or T (time):duration of intervention(5%)
4.1.4 Types of studies/ S (study design) (2%)
4.2 Search strategy (10%)
4.3 Assessment of methodological quality (5%)
4.4 Data extraction (10%)
4.5 Data synthesis (15%):
   Meta-synthesis: Method (4%) and process (5%) and analysis of dependency (3%) and credibility (3%) /
   Meta-analysis: Data types (5%) , Heterogeneity and model (5%); Sub-group analysis and sensitivity analysis (5%)
• Clear and specific description
• Well justified according to current situation
• The relevant issues explored
• Adequate supportive evidences
• Reasonable explanation
• Updated information
	55%	

5. References • Relevant information • Update and adequate supportive evidences	5%	
9. Quality of presentation and writing • Systematic organization • Communicative • Maximal use of time • Use of proper expressions • Correct format	5%	
Total Score		100%

word count：
☐ 2700 ~ 3300
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REQUIRED READINGS

Aromataris E, Munn Z (Editors). JBI Manual for Evidence Synthesis. JBI, 2020. Available from https://synthesismanual.jbi.global. https://doi.org/10.46658/JBIMES-20-01
Porritt K, McArthur A, Lockwood C, Munn Z (Editors). JBI Handbook for Evidence Implementation. JBI, 2020. Available from: https://implementationmanual.jbi.global. https://doi.org/10.46658/JBIMEI-20-01

REFERENCES

胡雁，郝玉芳（2018）。循證護理學（第 2 版）。北京：人民衛生出版社。

Geri, L.W., Judith, H. & Marita, T. (2018). Evidence-Based Practice for Nursing and Healthcare Quality. St. Louis: Missouri, Elsevier.

胡雁，周英鳳（2021）。循證護理證據臨床轉化理論與實踐。上海：復旦大學出版社。

詹思延，王聰霞，孫鳳（2019）。系統綜述與 meta 分析。北京：人民衛生出版社。

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/.

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Timetable

No.	Date	Time	Topic	Teachers
1.	2026/01/13	1830-2130	The principles of evidence-based nursing The characteristics and grading of evidences	Haobin
2.	2026/01/15	1830-2130	The evidence resources and retrieval methods	Haobin
3.	2026/01/20	1830-2130	Data retrieval and quality appraisals of literature	Haobin
4.	2026/01/22	1830-2130	Systematic reviews: meta-analysis 1	Haobin
5.	2026/01/27	1830-2130	Systematic reviews: meta-analysis 2	Haobin
6.	2026/02/05	1830-2130	Systematic reviews: meta-analysis 3	Haobin
7.	2026/03/05	1830-2130	Systematic reviews: meta-synthesis	Haobin
8.	2026/03/12	1830-2130	Clinical practice guidelines	Haobin
9.	2026/03/17	1830-2130	Evidence clinical translation model	Haobin
10.	2026/03/21	0900-1300	Seminar: Data retrieval and quality appraisals of literature	Haobin & Gao linlin
11.		1400-1700	Seminar: Systematic reviews evidence practice in specific nursing phenomenon	
12.	2026/03/28	0900-1300	Seminar: Systematic reviews on qualitative evidence or effectiveness evidence 1	Haobin & Gao linlin
13.		1400-1800	Seminar: Systematic reviews on qualitative evidence or effectiveness evidence 2	