

Macao Polytechnic University
Faculty of Health Sciences and Sports
Master of Science in Nursing

Module Outline

Academic Year 2022 / 2023 Semester II

Learning Module	Evidence-Based Nursing			Class Code	NURS6124
Pre-requisite(s)	Nil				
Medium of Instruction	Chinese / English			Credit	3
Lecture Hours	45 hrs	Lab/Practice Hours	0 hrs	Total Hours	45hrs
Instructor	Dr. YUAN, Haobin Dr. WANG, Yan		E-mail	hbyuan@mpu.edu.mo ywang@mpu.edu.mo	
Office	Room 704, Room 707, Meng Tek Building, Main Campus		Telephone	85993429 85993434	

Description

Evidence-based nursing is designed to nurture nursing students' abilities for using the best evidences to carry out nursing practice. The 45-hour module elaborates and analyzes principles, steps and methods of evidence-based practice, and explores the applications of the best evidences in nursing research and specialist 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 intensive care, patient safety and nosocomial infection control.

Learning Outcomes

After completing the learning module, students will be able to:

1. Explore the principles of evidence-based nursing practices
2. Apply data retrieval, quality appraisals of literature
3. Conduct the systematic reviews, meta-analysis, meta-synthesis, and clinical practice guidelines
4. Discuss the issues of evidence-based nursing practices
5. Demonstrate competence in clinical reasoning and evidence-based nursing research

Content

1. The principles of evidence-based nursing (3 hours)
(UNDERSTAND: describe the concepts, steps and significance of evidence-based nursing)
2. The evidence resources and retrieval methods (2 hours)
(UNDERSTAND: describe the evidence resources and retrieval methods)
3. The characteristics and grading of evidences (2 hours)
(COMPREHEND: analyse the characteristics and grading of evidences)
4. Data retrieval and quality appraisals of literature (3 hours)
(COMPREHEND: demonstrate data retrieval and quality appraisals of literature)
5. Clinical practice guidelines (4 hours)
(MASTER: apply theoretical knowledge to practical situation, discuss the issues)
6. Systematic reviews: meta-analysis (6 hours)
(MASTER: apply theoretical knowledge to practical situation, conduct the systematic reviews on the research phenomenon)
7. Systematic reviews: meta-synthesis (4 hours)
(MASTER: apply theoretical knowledge to practical situation, conduct the systematic reviews on the research phenomenon)
8. Applications and evaluations of evidences
 - 8.1 Evidence-based practice of oral mucosal nursing (3 hours)
(MASTER: apply theoretical knowledge to practical situation, discuss the issues)
 - 8.2 Evidence-based practice in diabetic foot care (3 hours)
(MASTER: apply theoretical knowledge to practical situation, discuss the issues)
9. Seminar: Data retrieval and quality appraisals of literature (4 hours)
(MASTER: apply theoretical knowledge to practical situation, discuss the issues)
10. Seminar: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon (11 hours)
(MASTER: apply theoretical knowledge to practical situation, discuss the issues)

Teaching Method

Lectures, tutorial small group discussions, seminars

Attendance

Attendance requirements are governed by the “Academic Regulations Governing Master’s Degree Programmes” of Macao Polytechnic University. An “F” will be given as the final grade to students who have less than the stated attendance for the enrolled module.

Assessment

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

	Item	Description	Percentage
1.	Discussion in class	Clinical practice guidelines Data retrieval and quality appraisals of literature Seminar: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon	10%
2.	Group assignment	2-3 students work as a group and complete: 2.1 Systematic reviews on evidence practice in specific nursing phenomenon OR 2.2 Systematic reviews on the research phenomenon.	90%
Total Percentage:			100%

Teaching Material(s)

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。

Appendix 1 Assessment criteria for **written assignment (evidence practice in specific nursing phenomenon)**

Assessment Criteria	Weighting	Score and comments
1. Introduction <ul style="list-style-type: none"> • Key issues on the nursing phenomenon 	5%	
2. Issues formulation <ul style="list-style-type: none"> • Clear and specific description • Well justified according to current situation • The relevant issues explored 	10%	
3. Searching for evidences <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Appraising the relevant literature critically • Summarizing the strengths and limitations and application of each interventions 	20%	
5.Utilization of evidences <ul style="list-style-type: none"> • Integration of evidences and practice • Solutions to the problem are comprehensive and rational 	20%	
6.Summarizing the evidences and suggestion <ul style="list-style-type: none"> • Suggestions for improving clinical practice and rationales 	15%	
7.References <ul style="list-style-type: none"> • Relevant information • Update and adequate supportive evidences 	5%	
8. Quality of presentation and writing <ul style="list-style-type: none"> • Systematic organization • Communicative • Maximal use of time • Use of proper expressions 	5%	
Total Score		100%

Appendix 2 Assessment criteria for written assignment (systematic review on the research phenomenon)

Assessment Criteria	Weighting	Score and comments
1. Introduction <ul style="list-style-type: none"> Key issues on the nursing phenomenon 	5%	
2. Aim <ul style="list-style-type: none"> Clear and specific description 	5%	
3. Method 3.1 Criteria for considering studies 3.2 Search strategy 3.3 Assessment of methodological quality 3.4 Data extraction and synthesis <ul style="list-style-type: none"> Clear and specific description Well justified according to current situation The relevant issues explored Adequate supportive evidences Reasonable explanation Updated information At least 10 papers should be published in professional Journals 	40%	
4. Findings <ul style="list-style-type: none"> Clear and specific description Well justified according to current situation The relevant issues explored Adequate supportive evidences 	15%	
5. Discussion <ul style="list-style-type: none"> Well justified according to current situation Discuss the relevant issues Summarizing the strengths and limitations 	15%	
6. Limitations <ul style="list-style-type: none"> Specific and practicability 	5%	
7. Conclusions <ul style="list-style-type: none"> Specific and practicability 	5%	
8. References <ul style="list-style-type: none"> Relevant information Update and adequate supportive evidences 	5%	
9. Quality of presentation and writing <ul style="list-style-type: none"> Systematic organization Communicative Maximal use of time Use of proper expressions 	5%	
Total Score		100%

Evidence-Based Nursing timetable (Haobin 35 hours + Wangyan 10 hours, 202303)

No.	Date	Time	Topic	Teachers
1	2023/3/14	1830-2130	The principles of evidence-based nursing	Haobin1
2	2023/3/16	1830-2130	The evidence resources and retrieval methods	Haobin2
3	2023/3/23	1830-2130	The characteristics and grading of evidences	Haobin3
4	2023/3/28	1830-2130	Data retrieval and quality appraisals of literature	Haobin4
5	2023/4/1	0900-1100	Seminar: Data retrieval and quality appraisals of literature	Haobin5
6		1100-1300	Systematic reviews: meta-analysis1	
7		1400-1700	Systematic reviews: meta-analysis2	
8	2023/4/4	1830-2130	Clinical practice guidelines	wangyan1
9	2023/4/11	1830-2130	Evidence-based practice of oral mucosal nursing	wangyan2
10	2023/4/14	1830-2130	Seminar1: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon	wangyan3
11	2023/4/15	0900-1100	Systematic reviews: meta-analysis3	haobin6
12		1100-1300	Systematic reviews: meta-synthesis1	
13		1400-1600	Systematic reviews: meta-synthesis2	
14		1600-1800	Evidence clinical translation model	
15	2023/4/18	1830-2130	Seminar2: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon	wangyan 4 (1h) haobin7
16	2023/4/20	1830-2130	Seminar3: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon	haobin8
17	2023/4/25	1830-2130	Seminar4: systematic reviews on evidence practice in specific nursing phenomenon & on the research phenomenon	haobin9