

Macao Polytechnic Institute
School of Health Sciences and Sports
Master of Science in Nursing

Module Outline

Learning Module	Infection Control			Class Code	NURS6111
Pre-requisite(s)	Nil				
Medium of Instruction	Chinese / English			Credit	6
Lecture Hours	90 hrs	Lab/Practice Hours	---	Total Hours	90 hrs

Description

This 90-hour subject is one of the essential subjects of the Master of Science in Nursing. It will explore the principle, types, methods of infection control and standard preventive measures, risk assessment, research status and development trends. The critique skills would be beneficial for students to critically examine the content and usefulness of theories and strategies. It will help students to understand deeply and apply relevant the theories in the clinical practice. Case study, group discussion, and presentations of relevant strategies are conducted adopted in this course. The students are expected not only to apply the theories in the discussion of case study and the relevant issues but also to develop the research proposal for the infection control phenomenon.

Learning Outcomes

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

1. Explore the types of infectious diseases, routes of transmission
2. Understand the purposes and methods of infection control
3. Apply the theories and strategies in case study
4. Discuss the issues of the existing nursing practice
5. Develop the research proposal for infection control in nursing practice or public health
6. Develop cooperative relationships and effective communication skills with others
7. Demonstrate competence in clinical reasoning and research

Content

1. Types of infectious diseases, routes of transmission (6 hours)
 (UNDERSTAND: describe types of infectious diseases, routes of transmission)
2. Purpose of infection control (6 hours)

(UNDERSTAND: describe purpose of infection control)

3. Methods of infection control (6 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theory/model)
4. Standard preventive measures (6 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theory/model)
5. Risk assessment of infection (6 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theory/model)
6. Separation of medical waste, packaging and labeling, storage of medical waste, and collection of medical waste (6 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theory/model)
7. The strategies to prevent cross-infection in nursing practice and public health (12 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theory/model)
8. Research status and development trends (12 hours)
(MASTER: apply theoretical knowledge to practical situation; discuss the issues related to the theories)
9. Development for research proposal for infection control in nursing practice or public health (30 hours)
(MASTER: construct a conceptual framework for the research phenomenon)

Teaching Method

Lectures, tutorial (case studies and small group discussions), seminars.

Attendance

Attendance of the course is in accordance with the attendance stated in the 'Academic and Disciplinary Rules and Regulations'. Students are not eligible to attend the final examination and re-sit examination, moreover, an "F" will be given as the final grade to students who have less than the stated attendance for the enrolled subject.

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	Percentage
1.	1. Group assignments: Case studies and issue discussions	40%
2.	2. Individual assignment: Research proposal development for infection control in nursing practice and public health	60%
	Total :	100%

Teaching Material(s)

Reference books

1. 黃悅勤。(2020)。臨床流行病學。北京：人民衛生出版社
2. Jennie Wilson (2018). *Infection Control in Clinical Practice*. (3rd Edition). Elsevier eBook
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