



PEKING UNIVERSITY HEALTH SCIENCE CENTER
-MACAO POLYTECHNIC UNIVERSITY NURSING ACADEMY (AE)
BACHELOR OF SCIENCE IN NURSING
LEARNING MODULE OUTLINE

Academic Year	2025-2026	Semester	II
Module Code	NPHA1102		
Learning Module	Pharmacology		
Pre-requisite(s)	N/A		
Medium of Instruction	Chinese / English		
Credits	3	Contact Hours	45
Instructor	Kenny Kuok (subject teacher) Cui Su Ying (Bei Jing) Lisa Li (Bei Jing)	Email	cfkuok@mpu.edu.mo csy@bjmu.edu.cn xiangping@bjmu.edu.cn
Office	Room M708, Meng Tak Building	Office Phone	85993437

MODULE DESCRIPTION 學科單元/科目概述

This 45-hours subject covers basic concepts of pharmacology. It introduces the common used drugs with their pharmacological mechanisms, actions and side-effects, indications and contraindications systematically. Students could apply such knowledge to safe and effective administration of medications to clients.

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.	Understand the basic concepts and regularities of pharmacology;
M2.	Explain the principles of drug actions;
M3.	Describe the drug classification and their action mechanisms;
M4.	Evaluate the reasonable of clinical drug usage and familiar with the severe side effects.



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
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 授課學時
A: 1 B: 1 C: 1	Introduction to pharmacology	2
A: 2 B: 2 C: 2	Pharmacokinetics and pharmacodynamics	2
A: 3-6 B: 3-6 C: 7-8	Drugs affecting the central nervous system	7
A: 6 B: 6 C: 8	General and local anesthetics	2
A: 8 B: 12 C: 8	Drugs affecting the autonomic nervous system	4



A: 8 B: 12 C: 8	Drugs used to manage pain	2
A: 8-9 B: 12 C: 8-9	Drugs affecting the cardiovascular system	6
A: 9 B: 12-13 C: 9	Drugs affecting the endocrine system and metabolic diseases	6
A: 9 B: 13 C: 13	Chemotherapeutic drugs	10
A: 9 B: 13 C: 13	Active learning module	2
	Examination	2
	Total	45Hours

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
T1. Lectures	✓	✓	✓	✓
T2. Active learning module	✓	✓	✓	✓
T3. Final examination	✓	✓	✓	✓

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 from Faculty of Health Sciences and Sports (FCSD) scoring less than 35% of the total mark in the final examination will be given an "F" grade for the module even if the overall grade is 50% or higher.



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

Assessment Activities	Weighting (%)	ILOs to be Assessed (M1,M2,M3,M4,M5.....)
A1. Final examination	60	M1, M2, M3, M4
A2. Assignments (individual or group)	40	M2, M3, M4

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 (評分準則)

Assessment Activities	Assessment Criteria	Mark Ranges				
		88-100 High	73-87 Signification	58-72 Moderate	50-57 Basic	<50 Fail
A1. Final Examination	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A2. Assignments (individual or group)	Demonstrate the ability to complete individual or group assignments, and answer questions on the topics covered in the module.	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels

REQUIRED READINGS 書單

Karen Whalen. (2022). *Lippincott's illustrated reviews: pharmacology* (8th ed.). Wolters Kluwer.

REFERENCES 參考文獻

Rang, H. P., Ritter, J. M., Flower, R. J., Henderson, G. (2015). *Rang & Dale's Pharmacology* (8th ed.). Churchill

Livingstone.



STUDENT FEEDBACK

At the end of each 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/.