



FACULTY OF HEALTH SCIENCES AND SPORTS
BACHELOR OF SCIENCE IN BIOMEDICAL TECHNOLOGY (PHARMACY TECHNOLOGY)
LEARNING MODULE OUTLINE

Academic Year	2023 / 2024	Semester	2
Module Code	BSPP2102-221		
Learning Module	Pharmacy Practice I		
Pre-requisite(s)	N/A		
Medium of Instruction	Chinese / English		
Credits	3	Contact Hours	45
Instructor	Kuok Chiu Fai	Email	cfkuok@mpu.edu.mo
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MODULE DESCRIPTION

This 45-hour course aims to introduce the pharmacy practices in different pharmacy settings. The roles, functions and routine practices in community and hospital pharmacies will be discussed. The basic knowledge about the common products in community pharmacy are also covered.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	describe the roles and functions of different pharmacy settings.
M2.	describe the professional pharmacy practices in pharmacy settings.
M3.	familiar with the routine works in community and hospital pharmacies.
M4.	familiar with the types and common products in community pharmacy.

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

PILOs	M1	M2	M3	M4
P1. To demonstrate understanding of a range of subjects, fields, principles and approaches relevant to pharmacy technology	✓	✓	✓	✓
P2. To demonstrate understanding of theories, analytical approaches and practices that underpin pharmacy operations and management	✓	✓	✓	✓
P3. To demonstrate understanding of major trends and issues related to pharmacy technology	✓	✓	✓	✓



PILOs	M1	M2	M3	M4
P4. To apply professional knowledge and skills to analyse, interpret and solve problems, challenges and risks in pharmacy practice		✓	✓	✓
P5. To critically appraise and interpret scientific and clinical literature and apply evidence-based practice		✓		
P6. To acquire and apply research skills in pharmacy technology		✓		
P7. To demonstrate effective communication and teamwork skills		✓	✓	
P8. To maintain professional and ethical standards in pharmacy practice and research	✓	✓	✓	

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
2	Introduction of pharmacy practice, pharmaceutical market and healthcare system in Macao	3
3	Drugs and Medicines Routes of drug administration and dosage forms	3
4	Prescriptions and handling processes	3
5	Common instructions and counselling skills for patient education	3
6	Medical history and patient medications records Pharmaceutical care plan	3
7	Health technology assessment and pharmacoeconomics	3
8	Midterm test	3
9	Roles and functions of community pharmacy	3
10	Pharmacy practices in community pharmacy	3
11	Roles and functions of hospital pharmacy	3
12	Pharmacy practices in hospital pharmacy	3
13	Roles and functions of pharmaceutical distributors and wholesalers	3
14	Medication safety Prevention of medication errors	3
15	Active learning module – Medications comparison and counselling	4
17	Examination	2



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
T1. Lectures	✓	✓	✓	✓
T2. In-class discussion	✓	✓	✓	✓
T3. Active learning module and report		✓		✓
T4. Test and 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

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

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Active learning module and report	20	M2, M4
A2. Test	30	M1, M2
A3. Examination	50	M1, M2, M3, M4

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

Any students 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.

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

Assessment Activities	Assessment Criteria	Mark Ranges				
		88-100	73-87	58-72	50-57	<50
A1.	Demonstrate the understanding of the covered topics in module and show active learning attitude	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Fail; not reaching marginal levels
A2.	Demonstrate the understanding of the covered topics in module	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Fail; not reaching marginal levels
A3.	Demonstrate the understanding of the covered topics in module	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Fail; not reaching marginal levels

REQUIRED READINGS

Judith A. Rees, Ian Smith, Jennie Watson (2014). *Pharmaceutical Practice*. 5th Edition. Churchill Livingstone.

REFERENCES

Lilian M Azzopardi. (2010). *Lecture Notes in Pharmacy Practice*. London: Pharmaceutical Press.

Patrick M. Malone, Meghan J. Malone, Sharon K. Park (2017) *Drug information*. 6th Edition. McGraw-Hill Education.

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/.