



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

Academic Year	2024 / 2025	Semester	1 & 2
Module Code	BSIP4101-411 BSIP4102-421		
Learning Module	Internship I & II		
Pre-requisite(s)	Pharmaceutical Analysis, Pharmaceutics, Pharmacy Laws, Pharmacy Practice II, Pharmacy Practice III, Clinical Pharmacy I, Clinical Pharmacy II.		
Medium of Instruction	Chinese / English		
Credits	5 + 5	Contact Hours	500 + 500
Instructor	Kuok Chiu Fai	Email	cfkuok@mpu.edu.mo
Office	Room M708, Meng Tak Building	Office Phone	8599 3437

MODULE DESCRIPTION

This learning module is comprised of Internship I and Internship II. Students will acquire practical knowledge and hands-on experience in different areas of pharmacy practice. The total number of hours in Internship I (BSIP4101-411) and Internship II (BSIP4102-421) is 1000 hours in total. Internship I (500 hours) and Internship II (500 hours) will be fulfilled by half of the requirements specified in the following 1000 hours rotation, including hospital pharmacy, health centre pharmacy, community pharmacy, elderly home pharmacy, pharmaceutical affair department of government, pharmaceutical and health products related industries. Students are training under the instruction of internship supervisors.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Enhance students' technical skills, confidence and personal relationships.
M2.	Work efficiently and safely in pharmacy professionals and apply necessary measures for safe practice.

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

PILOs	M1	M2	M3	M4	M5	M6
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	✓	✓				



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
6	Pharmacy practice in public hospital	192
6	Pharmacy practice in private hospital	192
6	Community pharmacy practice	192
4	Pharmacy practice in public health centre	128
4	Pharmacy practice in pharmaceutical affair department of government	128
3	Pharmacy practice in Elderly home	96
3	Pharmacy practice in pharmaceutical and health products related industries	96

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	M6
T1. Background knowledge education	✓	✓				
T2. Operational education	✓	✓				
T3. Assignments	✓	✓				
T4. Skill 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. On-site progressive assessments	90	M1, M2
A2. Follow-up assessments	10	M1, M2

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

There will be no resit examination for this module.

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 ability to apply appropriate professional knowledge and skills during internship training	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Fail; not reaching marginal levels
A2.	Demonstrate the active learning attitude and the ability to identify and reflection on their internship training	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Fail; not reaching marginal levels

REQUIRED READINGS

Indicated by internship sites.

REFERENCES

Chinese Pharmacopeia.

British Pharmacopeia.

US Pharmacopeia.

Macao Decree-Laws and Macau S.A.R. Laws.

Related textbooks to pharmaceutical sciences.



澳門理工大學
Universidade Politécnica de Macau
Macao Polytechnic University

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/.