



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

Academic Year	2023/2024	Semester	1
Module Code	BSPE2102		
Learning Module	Public Health and Preventive Medicine		
Pre-requisite(s)	Nil		
Medium of Instruction	Chinese / English		
Credits	2	Contact Hours	30 hrs
Instructor	Dr CHAN Y.M. Cymon Dr TONG H.Y. Henry Dr from CDC	Email	ymchan@mpu.edu.mo henrytong@mpu.edu.mo
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MODULE DESCRIPTION

This 30-hour compulsory course aims to facilitate students to obtain a broadened understanding of public health/preventive medicine theory and practice, as well as their relatedness to laboratorial/ pharmaceutical professionals. The learning is characterized by reviewing most impacting public health issues in Macao during the past decade, and by eliciting active participation and reflection of students.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Learn the theoretical fundamentals of public health/preventive medicine.
M2.	Recognize the history and current situation of public health in Macao.
M3.	Master the roles of Medical personnel in public health management.

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

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



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

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage (Class A)	Contact Hours
1-4	Theoretical teaching	18
4	Group presentation	2
7-8	Macao CDC's selected topics	10
14	Topic report	-

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
T1. Lectures	✓		
T2. Discuss the local and non-local current public health issues		✓	
T3. Topic report			✓

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. Quiz	30	M1
A2. Oral presentation	30	M2
A3. Topic report	20	M2
A4. Full attendance	20	M3

The resit exam will not be arranged 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

Oral Presentation

Areas of Assessment	Marking criteria	Weight
1. Presentation content	- Accurate	10%
	- Most updated information	10%
	- Acknowledgement of sources	10%
	- ± 30 pages & notes	10%
2. Presentation Skills	- The presentation was well-organized	10%
	- Slides were easy to read and designed with delicate format	10%
	- Appropriate use of media (pictures, charts, diagrams, videos, etc.)	10%
	- Time control	10%
3. Overall evaluation	- Professional appearance and teamwork of presenters	10%
4. Participation	- All group members are included	10%
Total		100

Topic Report

Areas of Assessment	Marking criteria	Weight
1. Content	- ± 3000 words (main contents)	Required
2. Introduction the topic	- Most information from oral presentation	10%
3. Literature review	- Complete information	20%
	- At least three professional journals	10%
4. Responses to questions from oral presentation	- Key information included and Points concise	10%
	- Reasonable explanation	10%
5. Conclusion	- Rational analysis of factors affecting the public health	20%
6. Reference	- Proper acknowledgement of sources, complete information, accurate format of citations, quotations and listing reference used	10%
7. Style of writing	- Correct format, appropriate organization, concise writing	10%
Total		100



REQUIRED READINGS

There is no specific required textbook for this course.

REFERENCES

王榮德、江東亮、陳為堅、詹長權（2015）。公共衛生學：上中下冊，修訂五版。國立臺灣大學。

David L. Katz & Joann G. Elmore & Dorothea Wild & Sean C Lucan (2020). Jekel's Epidemiology, Biostatistics, Preventive Medicine, and Public Health, 5th edition. Elsevier.

Debra Haire-Joshu & Timothy D. McBride (2013). Transdisciplinary Public Health: Research, Education, and Practice. John Wiley & Sons.

Marcia S. & Jeanette L. (2020). Public Health Nursing, 10th edition. Elsevier.

Timetable:

	Date & Time			Topic	Teacher
01	2023-08-24	Thu	1430-1630	Global Burden of Diseases	TONG
02	2023-08-25	Fri	1430-1630	Essential Public Health Functions, Community Ethics	CHAN
03	2023-08-31	Thu	1430-1630	Covid-19 Vaccine	TONG
04	2023-09-01	Fri	1430-1630	Environmental Health, Occupational Health	CHAN
05	2023-09-07	Thu	1430-1630	Gambling Disorder	TONG
06	2023-09-08	Fri	1430-1630	School Nursing	CHAN
07	2023-09-14	Thu	1430-1630	Substance Abuse, HIV/AIDS	TONG
08	2023-09-15	Fri	1430-1630	Managing Quality and Safety, Public Health Policy	CHAN
09	2023-09-21	Thu	1430-1630	Food Safety	TONG
10	2023-09-22	Fri	1430-1630	Group presentation	CHAN
11	2023-10-14	Sat	0900-1100	Macao CDC's selected topics	CDC
12	2023-10-14	Sat	1100-1300	Macao CDC's selected topics	CDC
13	2023-10-21	Sat	0900-1100	Macao CDC's selected topics	CDC
14	2023-10-21	Sat	1100-1300	Macao CDC's selected topics	CDC
15	2023-10-21	Sat	1430-1630	Macao CDC's selected topics	CDC

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/.