

Macao Polytechnic Institute
School of Health Sciences and Sports
Bachelor of Science in Biomedical Technology
(Medical Laboratory & Pharmacy Technology)

Module Outline
Academic Year 2020 / 2021 Semester 2

Learning Module	Public Health and Preventive Medicine (公共衛生與預防醫學)		Class Code	BSPE2102
Pre-requisite(s)	Nil			
Medium of Instruction	Chinese and English		Credit	2
Lecture Hours	30 hrs	Lab/Practice Hours	0 hrs	Total Hours 30 hrs
Instructor	Dr CHAN YM Cymon Dr TONG HY Henry Dr LEI IF Miriam Dr from CDC		E-mail	ymchan@ipm.edu.mo henrytong@ipm.edu.mo iflei@ipm.edu.mo
Office	Rm. M728 (Cymon) Rm. M710 (Henry) Rm. M703 (Miriam) Meng Tak Building, Main Campus		Telephone	8599-3446 (Cymon) 8599-3438 (Henry) 8599-3425 (Miriam)

Description

This 30-hour compulsory learning module 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.

Learning Outcomes

Through this learning module, the students are expected to:

1. Learn the theoretical fundamentals of public health/preventive medicine.
2. Recognize the history and current situation of public health in Macao.
3. Master the roles of Medical personnel in public health management.

Content

	Topics	Hours
1.	Introduction, Essential Public Health Functions	2
2.	School Nursing, Occupational Health	2
3.	Environmental Health, Community Ethics	2
4.	Managing Quality and Safety, Public Health Policy	2
5.	Substance abuse in Macao, Covid-19 vaccine for global protection	2
6.	Global Burden of Diseases	2
7.	Pathological Gambling	2
8.	Food Safety in the Public Health Perspective	4
9.	Macao CDC's selected topics	10
10.	Group Presentation	2

Teaching Method

Lectures, discussions, group presentation and sharing.

Attendance

Attendance of the learning module is in accordance with the attendance stated in the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic Institute”. Students who do not meet the attendance requirements for the learning module will not be permitted to count the group presentation and 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 the pass score. Any student scoring less than 35% of the total mark in the group presentation or written report will be given an “F” grade for the learning module even if the overall grade is 50% of higher. If the overall grade is less than 35%, the student should re-take the course next year.

Items	Description	Due Date	Weight
Continuous Participation	Full attendance	The last day of class	20% (30 hours)
Quiz (Tong’s session)	3 x 5-min quiz	Every Tong’s lecture	7% + 7% + 6%
Quiz (Miriam’s session)	20-min Quiz	2 nd lecture	15%
Topic Report	Group presentation	4 th March2021	30%
	Group assignment	10 th May 2021	15%
Total Percentage:			100%

Teaching Material

Materials prepared by the teacher.

Reference

Textbook(s)

There is no specific required textbook for this course.

Reference book(s)

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 for 3A

課次 Session	日期 Date	時間 Time	課題 Topics	授課老師 Teachers
1.	2021.01.21	14:30-16:30	Introduction, Essential Public Health Functions	CHAN
2.	2021.01.22	09:00-11:00	Global burden of diseases	TONG
3.	2021.01.26	09:00-11:00	Substance abuse in Macao, Covid-19 vaccine for global protection	TONG
4.	2021.01.28	14:30-16:30	School Nursing, Occupational Health	CHAN
5.	2021.02.02	09:00-11:00	HIV/AIDS situation in Macao	TONG
6.	2021.02.04	14:30-16:30	Environmental Health, Community Ethics	CHAN
7.	2021.02.25	14:30-16:30	Managing Quality and Safety, Public Health Policy	CHAN
8.	2021.03.04	14:30-16:30	Group presentation	CHAN
9.	2021.03.09	09:00-11:00	Food Safety in the Public Health Perspective (1)	LEI
10.	2021.03.10	09:00-11:00	Food Safety in the Public Health Perspective (2)	LEI
11.	2021.04.17	09:00-11:00	Macao CDC's selected topics	CDC
12.	2021.04.17	11:00-13:00	Macao CDC's selected topics	CDC
13.	2021.04.17	14:30-16:30	Macao CDC's selected topics	CDC
14.	2021.04.24	09:00-11:00	Macao CDC's selected topics	CDC
15.	2021.04.24	11:00-13:00	Macao CDC's selected topics	CDC

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