

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

Module Outline

Academic Year 2021 / 2022 Semester 1

| | | | | |
|------------------------------|---------------------------------------------|---------------------------|-------------------|---------------------------|
| Learning Module | Pharmacy Practice II | | Class Code | BSPP3101 |
| Pre-requisite(s) | Nil | | | |
| Medium of Instruction | Chinese / English | | Credit | 4 |
| Lecture Hours | 40 hrs | Lab/Practice Hours | 20 hrs | Total Hours 60 hrs |
| Instructor | Pedro Fong | | E-mail | pedrofong@ipm.edu.mo |
| Office | Rm. M705, Meng Tak Building, Main Campus | | Telephone | 85993427 |

Description

This 60-hour learning module serves as a foundation for developing students' essential knowledge on diagnosing and managing common minor ailments with appropriate over-the-counter (OTC) medicines and counselling.

Learning Outcomes

After completing the learning module, students will be able to:

1. Work in partnership with patients and gather valuable health information.
2. Differentiate between minor and more serious symptoms.
3. Provide treatment choices to patients based on evidence of effectiveness.
4. Counsel patients on various conditions and OTC treatments.

Content

1. Introduction to mnemonics and consultation (2 hours)
 - 1.1 WHAM questions
 - 1.2 ASMETHOD questions
 - 1.3 Decision-making: risk assessment
 - 1.4 Privacy in the pharmacy

2. Gastrointestinal Tract Problems (12 hours)
 - 2.1 Mouth ulcers
 - 2.2 Heartburn
 - 2.3 Indigestion
 - 2.4 Nausea and vomiting
 - 2.5 Motion sickness and its prevention
 - 2.6 Constipation
 - 2.7 Diarrhoea
 - 2.8 Irritable bowel syndrome

3. Skin Conditions (10 hours)
 - 3.1 Eczema / dermatitis
 - 3.2 Acne
 - 3.3 Athlete's foot
 - 3.4 Cold sores
 - 3.5 Warts and verrucae
 - 3.6 Scabies
 - 3.7 Dandruff
 - 3.8 Hair loss
 - 3.9 Psoriasis

4. Painful Conditions (4 hours)
 - 4.1 Headache
 - 4.2 Musculoskeletal problems

5. Respiratory Problems (6 hours)
 - 5.1 Colds and flu
 - 5.2 Cough
 - 5.3 Sore throat
 - 5.4 Allergic rhinitis
 - 5.5 Respiratory symptoms for direct referral

6. Eye and Ear Problems (4 hours)
 - 6.1 Eye problems: the painful red eye
 - 6.2 Common ear problems

7. Midterm test (2 hours)

8. Women's Health (8 hours)
 - 8.1 Cystitis
 - 8.2 Dysmenorrhoea
 - 8.3 Vaginal thrush
 - 8.4 Emergency hormonal contraception
 - 8.5 Common symptoms in pregnancy

9. Childhood Conditions (6 hours)
 - 9.1 Common childhood rashes
 - 9.2 Colic
 - 9.3 Teething
 - 9.4 Napkin rash
 - 9.5 Head lice
 - 9.6 Threadworms (Pinworms)
 - 9.7 Oral thrush

10. Insomnia (1 hours)

11. Prevention of Heart Disease (1 hours)

12. Digital Pharmacy (2 hours)
 - 12.1 Introduction to digital health
 - 12.2 Wearable technology
 - 12.3 Smart home and telepharmacy
 - 12.4 Digital pharmacy services

13. Final examination (2 hours)

Teaching Method

Lectures, videos, case studies, group discussion

Attendance

Attendance requirements are governed by the “Academic Regulations Governing Bachelor’s Degree Programmes of Macao Polytechnic Institute”. Students are not eligible to attend the final examination and re-sit examination, moreover, an “F” will be given as the final grade to students who have less than the stated attendance for the enrolled learning module.

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 students scoring less than 35% of the total mark in the final examination will be given an “F” grade for the learning module even if the overall grade is 50% or higher. Also, students will need to take the re-sit examination if they miss the final examination due to unreasonable absence and their maximum final score will be 50.

| | Item | Description | Percentage |
|--------------------------|-------------------|-----------------------------------|-------------------|
| 1. | In-class exercise | Case studies and group discussion | 5% |
| 2. | Assignment | Essay writing | 15% |
| 3. | Midterm test | Will be announced in class | 20% |
| 4. | Presentation | Will be announced in class | 10% |
| 5. | Final examination | All materials in this module | 50% |
| Total Percentage: | | | 100% |

Teaching Material(s)

Textbook(s)

Alison Blenkinsopp, Paul Paxton and John Blenkinsopp (2018) Symptoms in the Pharmacy: A Guide to the Management of Common Illness, John Wiley & Sons.

Alan Nathan (2020) Non-prescription Medicines, Pharmaceutical Press.

Reference

Reference book(s)

Brian Addison, Alyson Brown, Ruth Edwards and Gwen Gray (2012) Minor Illness or Major Disease, Pharmaceutical Press.

Alan Nathan (2012) Managing Symptoms in the Pharmacy, 2nd edition, Pharmaceutical Press.

Elaine Mackowiak (2012) Essentials of Nonprescription Medications and Devices, Pharmaceutical Press.

Paul Rutter (2009) Community Pharmacy: Symptoms, Diagnosis and Treatment, Churchill Livingstones.