



International Medical University Malaysia

Universiti Perubatan Antarabangsa

Bachelor of Nursing (Hons) Programme

ODL-PART TIME

**BNU 2124 Immunology and Communicable
Disease in Nursing (BMS)**
(3 credits)

SEMESTER 4

2023

Module Guide

TITLE : Immunology and Communicable Diseases in Nursing
LEVEL : SEMESTER 4
COURSE CODE : BNU 2124

CONTENT SYNOPSIS:

This course integrates the study of anatomy, pathophysiology, therapeutics and management of the immune system. The course provides the student with evidence based knowledge, skills and attitudes required in assessing, planning, implementing and evaluating nursing care for individuals with alterations of the immune system and communicable diseases.

COURSE LEARNING OUTCOME:

On completion of this course, the student will be able to:

CLO1: Demonstrate knowledge of commonly encountered conditions of the immune System and communicable diseases

CLO2: Use nursing process for the care of patients with alterations in the immune system and communicable diseases

LEARNING HOURS:

Credit Value: TSLT 120 ÷ 40 = 3 Credits

3 Credits (Theory)	
i-Lectures	31 hours
e-Tutorials	14 hours
Assessments	4 hours
Student learning time	71 hours
TSLT	160 Hours

PRE – REQUISITE : NIL

TEACHING AND LEARNING METHODS:

i-lectures, online discussions/e-forum, e-tutorial, online guided reading, online formative quiz, video-assisted learning

ASSESSMENTS:

In course assessment	Online Class Test (MCQ, SAQ)	40%
End of Semester Exam	Online Written test (MCQ & SAQ)	60%

MODULE COORDINATOR : Dr Radha Maniam

LECTURERS : Ms Siti Hajar

SYLLABUS:

No	Content	Mode of Delivery	SLT
1	Introduction to immunodeficiency and communicable diseases: <ul style="list-style-type: none"> • Types of immunity: natural and acquired • Chain of infection • Line of defences • Host pathogen relationship 	4 hrs. i-Lecture 2 hour e-tutorial	8
	IMMUNOLOGIC DISORDERS		
	<ul style="list-style-type: none"> • HIV infection and AIDS • Allergic disorders: Anaphylaxis, Allergic rhinitis, dermatitis, food allergy, latex allergy, urticaria • Rheumatoid arthritis, Systemic lupus erythematosus, osteoarthritis 	6 hrs. i-Lecture 2 hour e-tutorial	10
	COMMUNICABLE DISEASES		
2	Water and food borne diseases: Cholera, typhoid, dysentery and Hepatitis A, Shigellosis <ul style="list-style-type: none"> ➤ Causes, pathophysiology, clinical manifestation, diagnostic investigations, complication, management and nursing care ➤ Control and preventive measures 	6 hrs. i-Lecture 2 hour e-tutorial	10

3	Vector borne disease: <input type="checkbox"/> Malaria, dengue fever, dengue haemorrhagic fever, rabies, Zika ➤ Causes, pathophysiology, clinical manifestation, diagnostic investigations, complication, management and nursing care ➤ Control and preventive measures	5 hrs. i-Lecture 3 hour e-tutorial	11
4	Contact/ Surface transmitted diseases: • Syphilis, gonorrhea, AIDS, herpes simplex, hepatitis B • Leprosy, MRSA ➤ Causes, pathophysiology, clinical manifestation, diagnostic investigations, complication, management and nursing care ➤ Control and preventive measures	5 hrs. i-Lecture 2 hour e-tutorial	9
5	Air-borne transmitted diseases: Tuberculosis, Chicken pox, small pox, Measles, Mumps, Rubella, Pertussis, Diphtheria, Tetanus ➤ Causes, pathophysiology, clinical manifestation, diagnostic investigations, complication, management and nursing care ➤ Control and preventive measures	5 hrs. i-Lecture 3 hour e-tutorial	11
Total		45	59

Main references supporting the course:

- Berman, A. T., Snyder, S., & Frandsen, G. (2016). *Kozier & Erb's Fundamentals of Nursing* (10th ed.). Edinburgh: Pearson Education
- Heymann, D. (2016). *Control of Communicable Diseases Manual* (20th Ed.). Washington, DC: Jones & Bartlett Publishers.

Other additional information

- Centers for disease control and prevention portal: <http://www.cdc.gov/>
- Health Management & Disease Control division, Ministry of Health Malaysia portal:
<http://www.moh.gov.my/english.php/pages/view/118>