



FACULTY OF HEALTH SCIENCES AND SPORTS
BACHELOR OF SCIENCE IN NURSING
LEARNING MODULE OUTLINE

Academic Year	2023/2024	Semester	1
Module Code	NCHA4101		
Learning Module	Comprehensive Health Assessment		
Pre-requisite(s)	NBHA1102 - Basic Health Assessment		
Medium of Instruction	Chinese / English		
Credits	3	Contact Hours	45 hrs
Instructor	Dr. PANG, Weng Ian Phoenix* Dr. YUAN, Hao Bin Dr. LANG, Bin Dr. WANG, Yan	Email	wipang@mpu.edu.mo hbyuan@mpu.edu.mo blang@mpu.edu.mo ywang@mpu.edu.mo
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MODULE DESCRIPTION

This 45-hour subject is aiming to provide understanding of comprehensive health problems in the adult clients with diseases and their care. It covers essential knowledge and skills of comprehensive health assessment and disease management in nursing practice. The contents emphasize on advanced health assessment on spirit, kidney problems and hip fracture and abdomen; laboratory diagnosis, medical imaging, advanced ECG interpretation, and comprehensive assessment and management for the clients with gastrointestinal bleeding and hypertension, myocardial infarction and diabetes, and critical care for Trauma. Students will develop and refine their examination skills. They will learn to view the patient from a holistic perspective of not only physical well-being, but social, spiritual, emotional, and psychological health as well. Teaching strategies include lecture, case study, discussion, audio-visuals, class exercise, and simulation.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Develop and implement in an organized, systematic manner to clients with the advanced health assessment.
M2.	Demonstrate the abilities of execute priorities in the advanced health assessment.
M3.	Apply the means for collecting, synthesizing, analyzing clinical data to provide rationales for nursing interventions with the support of evidences.
M4.	Recognize the abnormal signs and symptoms to provide appropriate explanation and health education for the clients.
M5.	Apply comprehensive simulation to enhance realism to emotional connection and relationship with the client, analyze the clients' needs and disease conditions, communication and resource management.



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

PILOs	M1	M2	M3	M4	M5
P1. Demonstrate an understanding of the holistic nature of the clients' health status involving individual, family, and community aspects.	✓			✓	
P2. Demonstrate effective communication skills and the ability to establish and maintain a therapeutic relationship with clients.					✓
P3. Demonstrate a mastery and an application of knowledge and skills for nursing practice, including biological sciences, social sciences and humanities, by making appropriate clinical reasoning and performing safe and therapeutic practice.			✓		
P4. Demonstrate the ability to maintain legal and ethical standards of nursing practice.			✓		
P5. Demonstrate the ability to carry out relevant research and contribute to the health of the community.			✓		
P6. Work effectively and efficiently alone or in teams.		✓			✓
P7. Demonstrate the ability to identify and evaluate health care issues.	✓		✓	✓	
P8. Demonstrate a critical understanding and apply the principles of evidence-based practice to the delivery of nursing care.			✓	✓	

MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
1-7	Introduction and characteristics of comprehensive health assessment	2
	Laboratory diagnosis and medical imaging	6
	SimMan application	2
	Simulation fatal arrhythmia managing algorithm	2
4-7	Simulation: Gastrointestinal bleeding and hypertension	4
	Simulation: Myocardial infarction and diabetes	4
	Simulation: Spinal cord injury and arrhythmia	4
	Simulation: Respiratory failure and heart failure	4
	Simulation: Cerebrovascular disease and stroke	4
	Simulation: Multiple organ dysfunction syndrome	4
8	Simulation review & mock test (group)	5
9	Comprehensive simulation examination (group)	2



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
T1. Lectures	✓		✓		✓
T2. Simulation demonstrate and return demonstrate	✓	✓	✓	✓	✓
T3. Tutorial & discussions			✓		✓

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. Learning attitude <ul style="list-style-type: none">Classroom performanceFull attendance of simulation class)	10	M1, M3, M5
A2. Comprehensive Simulation Skill Examination (5-7 students per group/ 4-5 groups) <ul style="list-style-type: none">Group simulation skill examination (50%)Personal written paper (50%)	90	M1, M2, M3, M4, M5

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

MARKING SCHEME

Nil



REQUIRED READINGS

Timetable (Class A):

NO.	Date	Time	Content		Teachers
1	2023-08-25	1100-1300	Introduction and characteristics of comprehensive health assessment	Class	Phoenix
2	2023-08-28	1430-1730	Laboratory diagnosis	Class	Longbin
3	2023-08-29	1100-1300	Simulation fatal arrhythmia managing algorithm	Class	Phoenix
4	2023-09-01	1100-1300	Introduction SimMan	Lab	Haobin
5	2023-09-01	1430-1630	SimMan assessment process and knowledge application	Lab	Haobin
6	2023-09-04	1430-1730	Medical imaging	Class	Longbin
7	2023-09-05	1100-1300	Simulation1-Gastrointestinal bleeding and hypertension	Lab	Haobin
8	2023-09-07	0900-1100	Simulation1-Gastrointestinal bleeding and hypertension	Lab	Haobin
9	2023-09-08	1100-1300	Simulation2- Spinal cord injury and arrhythmia	Lab	Phoenix
10	2023-09-08	1430-1630	Simulation2- Spinal cord injury and arrhythmia	Lab	Phoenix
11	2023-09-12	0900-1100	Simulation5- Respiratory failure and heart failure	Lab	Phoenix
12	2023-09-12	1100-1300	Simulation5- Respiratory failure and heart failure	Lab	Phoenix
13	2023-09-13	1100-1300	Simulation3- Myocardial infarction and diabetes	Lab	Haobin
14	2023-09-15	1100-1300	Simulation3- Myocardial infarction and diabetes	Lab	Haobin
15	2023-09-19	1100-1300	Simulation4- Cerebrovascular disease and stroke	Lab	Haobin
16	2023-09-20	1100-1300	Simulation4- Cerebrovascular disease and stroke	Lab	Haobin
17	2023-09-22	1100-1300	Simulation6- Multiple organ dysfunction syndrome	Lab	Wangyan
18	2023-09-26	1100-1300	Simulation6- Multiple organ dysfunction syndrome	Lab	Wangyan
19	2023-10-05	1430-1730	Comprehensive simulation 1	Lab	Haobin & Phoenix
20	2023-10-16	1100-1300	Comprehensive simulation 2	Lab	Phoenix
21	2023-10-19	0900-1100	Final Examination-Comprehensive Simulation	Lab	Haobin & Phoenix



Timetable (Class B):

NO.	Date	Time	Content		Teachers
1	2023-08-24	0900-1100	Introduction and characteristics of comprehensive health assessment	Class	Phoenix
2	2023-08-31	1100-1300	Simulation fatal arrhythmia managing algorithm	Class	Phoenix
3	2023-08-31	1430-1730	Laboratory diagnosis	Class	Longbin
4	2023-09-05	0900-1100	Introduction SimMan	Lab	Haobin
5	2023-09-05	1430-1630	SimMan assessment process and knowledge application	Lab	Haobin
6	2023-09-07	1100-1300	Simulation1-Gastrointestinal bleeding and hypertension	Lab	Haobin
7	2023-09-07	1430-1730	Medical imaging	Class	Longbin
8	2023-09-08	0900-1100	Simulation1-Gastrointestinal bleeding and hypertension	Lab	Haobin
9	2023-09-13	0900-1100	Simulation2- Spinal cord injury and arrhythmia	Lab	Phoenix
10	2023-09-14	1100-1300	Simulation2- Spinal cord injury and arrhythmia	Lab	Phoenix
11	2023-09-15	1100-1300	Simulation3- Myocardial infarction and diabetes	Lab	Haobin
12	2023-09-18	1430-1630	Simulation3- Myocardial infarction and diabetes	Lab	Haobin
13	2023-09-21	1100-1300	Simulation4- Cerebrovascular disease and stroke	Lab	Haobin
14	2023-09-22	0900-1100	Simulation4- Cerebrovascular disease and stroke	Lab	Haobin
15	2023-09-25	1100-1300	Simulation5- Respiratory failure and heart failure	Lab	Phoenix
16	2023-09-25	1430-1630	Simulation5- Respiratory failure and heart failure	Lab	Phoenix
17	2023-09-28	1430-1630	Simulation6- Multiple organ dysfunction syndrome	Lab	Wangyan
18	2023-09-29	1430-1630	Simulation6- Multiple organ dysfunction syndrome	Lab	Wangyan
19	2023-10-06	0900-1200	Comprehensive simulation 1	Lab	Haobin and Phoenix
20	2023-10-16	0900-1100	Comprehensive simulation 2	Lab	Phoenix
21	2023-10-19	1430-1630	Final Examination-Comprehensive Simulation	Lab	Haobin and Phoenix

REFERENCES

- Alfaro-Lefevre, R. (2014). Applying Nursing Process: The Foundation for Clinical Reasoning, 8th edition. Lippincott Williams & Wilkins.
- Carolyn, J. (2020). Physical Examination and Health Assessment (8th ed.). St. Louis: Elsevier Saunders.
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- Janet, W. & Jane, K. (2021). Health Assessment in Nursing (International Student Edition) (7th ed.). Wolters Kluwer, Lippincott Williams & Wilkins.
- Jacqueline, R. (2020). Advanced Health Assessment and Diagnostic Reasoning: Featuring Simulations Powered by Kognito (4th ed.). Jones & Bartlett Learning.
- Jessica Coviello (2015). ECG Interpretation Made Incredibly Easy (6th ed.). Lippincott Williams & Wilkins.



Lewis, S.(2014). Medical-Surgical Nursing: Assessment and Management of Clinical Problems, Single Volume (9th ed.). St. Louis: Elsevier Saunders.

Linda, S. R. (2020). Mosby's Drug Guide for Nursing Students, (15th ed.). St. Louis: Elsevier Saunders.

Potter, P. A., Perry, A. G., Stockert, P. A. & Hall, A. (2015). Essentials for Nursing Practice, 8th edition. Elsevier.

Urden, L. D., Stacy, K. M., & Lough, M. E. (2005). Thelan's critical care nursing: diagnosis and management (5th ed.). St. Louis: Elsevier.

Weber, J.R., & Kelley J.K. (2014). Health Assessment in Nursing (5th ed.). Lippincott Williams & Wikins.

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/.