



PEKING UNIVERSITY HEALTH SCIENCE CENTER
- MACAO POLYTECHNIC UNIVERSITY NURSING ACADEMY (AE)
BACHELOR OF SCIENCE IN NURSING
LEARNING MODULE OUTLINE

Academic Year	2025-2026	Semester	I
Module Code	NMAS2101		
Learning Module	Medical-Surgical Nursing I		
Pre-requisite(s)	Fundamental Nursing I (NFUN1101); Fundamental Nursing II(NFUN1102)		
Medium of Instruction	Chinese / English		
Credits	6	Contact Hours	90 hours (include lecture 82 hours, lab class 8 hours)
Instructor	Dr. DAI Hongxia* Dr. Karry Liu Dr. WANG Yan Dr. LEONG Sin U Cindy Dr.Hsu Mei Hua Kerry Dr.Mio Ka Wa,Ruth Dr. Lok Ka In, Grace Li Xiao Dan* Tian Jia Li Liang Jun Qing Guo Jin Yu Chen Hui Juan	Email	hxdai@mpu.edu.mo karryliu@mpu.edu.mo ywang@mpu.edu.mo suleong@mpu.edu.mo kerryhsu@mpu.edu.mo kwmio@mpu.edu.mo kilok@mpu.edu.mo
Office	MPU Taipa Campus, Student Dormitory (Block 3)	Office Phone	Dr. Dai 88936944 Dr. Karry 88936928 Dr. Cindy 88936981 Dr. Wang 88936943 Dr. Ruth 88936942 Dr Grace 88936950

REMARK: *SUBJECT TEACHERS

MODULE DESCRIPTION

This 90-hour module aims to provide students with a basic understanding of common health problems in the adult clients with medical-surgical diseases and appropriate health care needs. It covers the essential knowledge of healthcare related to fluid and electrolyte balance, acid-base balance, nutrition support, respiratory disorders, gastrointestinal disorders, cardiovascular disorders, endocrine system disorders, breast disorder and peri-operative nursing. Students are taught to provide evidence-based nursing care and health education after learning the knowledge of pathophysiology/etiology, risk factors, clinical manifestations, diagnostic investigations and therapy. In addition, students will develop the competences of critical thinking and clinical judgment through application of nursing process, which build the foundation for student to provide safe and quality nursing care to clients in their future internship. Teaching strategies include lectures, case studies, discussion, Videos or audio-visuals, class exercise, as well as nursing skill demonstration and practice in laboratory.



MODULE INTENDED LEARNING OUTCOMES (ILOS)

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

M1.	Describe the etiology, risk factors, pathophysiology and diagnostic examinations in the adult clients with the diseases of the respiratory system, gastrointestinal system, cardiovascular system, endocrine system and breast disorder.
M2.	Differentiate the signs and symptoms of common adult diseases, and illustrate the clinical manifestations, therapy and nursing intervention.
M3.	Analyse simulation case, apply nursing process and critical thinking to design appropriate nursing care plan for adult clients, includes the necessary peri-operative nursing care.
M4.	Demonstrate the nursing skill in operation room and skills of nursing intervention for the client with disorder of respiratory system, gastrointestinal system, cardiovascular system, endocrine system and breast disorder.

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

The PILOs are aligned with the Dublin descriptors, including knowledge and understanding, acquisition, application, critical judgment, communication skills, and learning skills/ability.

PILOs	M1	M2	M3	M4
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 acquisition , mastery, and 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 community's health.			✓	✓
P6. Work effectively and efficiently alone or in teams.			✓	✓
P7. Demonstrate the ability to identify and evaluate health care issues.	✓	✓	✓	✓
P8. Demonstrate a critical judgment and apply the principles of evidence-based practice to deliver nursing care.	✓	✓	✓	✓



MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
	1. Subject introduction, fluid & electrolyte imbalances. 2. Acid-base imbalance 3. Thoracic injury, pneumothorax, hemothorax, pyothorax, Chest Intubation, Chest Tube Drainage 4. Nursing Skill -lab class1: Central Venous Pressure	7 hours
	5. Operation Room nursing: introduction, OR skill, asepsis technique, positioning 6. OR nursing: instrument, dressing, Perioperative care 7. Anesthesia and post-operative nursing 8. Safety and infection control in OR 9. Nursing Skill-lab class 2: Surgical hand scrub, gowning & gloving 10. Nursing Skill-lab class 3: wound care-change chest tube dressing, remove suture	10 hours
	11. Gastrointestinal assessment 12. Gallstone and Biliary Tract Infection 13. Pancreatitis 14. Hepatic cirrhosis 15. Intestinal obstruction (1) & Peritonitis 16. Abdominal hernias & Intestinal obstruction (2) 17. Hepatitis 18. Peptic ulcer disease & Ulcerative colitis 19. Nursing Skill-lab class 4: Ostomy care	17 hours
	20. Respiratory system assessment & diagnostic test. 21. Upper airway disorder, Pneumonia 22. Tuberculosis 23. COPD 24. Acute & chronic respiratory failure 25. Nursing Skill-lab class Skill 5: Tracheostomy care, changing dressing & tie 26. Nursing Skill-lab class Skill 6: Underwater sealed drainage, suctioning	12 hours
	27. Cardiovascular assessment & diagnostic tests 28. Hypertension 29. Electrocardiogram Overview and ECG (1) 30. ECG (2) 31. Nursing Skill-lab class 7 12-leads ECG · ECG monitor 32. Cardiac Arrhythmias 33. Myocarditis, pericarditis & endocarditis 34. AMI and Simulation on Coronary Artery disease 35. Coronary Artery disease, Angina Pectoris 36. Valvular heart diseases 37. Peripheral vascular disorders thrombophlebitis 38. Heart failure 39. Shock 40. Nursing Skill-lab class 8: Blood transfusion	26 hours
	41. Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1) 42. Thyroid & parathyroid disorders (2) 43. Diabetic mellitus 44. Simulated case study on Diabetic mellitus / Angina Pectoris 45. Rheumatoid Arthritis	10 hours
	46. Introduction, Allergy Problems & Systemic Lupus Erythematosus & Varicose veins	2 hours
	47. Breast Disorder	2 hours
	48. Test	2 hours
15	49. Final Exam	2 hours
	TOTAL	90 hours



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
T1. Lectures	✓	✓	✓	
T2. Case analyse	✓	✓	✓	✓
T3. Group discussion	✓	✓	✓	✓
T4. Nursing skill demonstration and practice in nursing laboratory				✓
T5. Role play				✓

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

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

Any student from Faculty of Health Sciences and Sports (FCSD) scoring less than 35% of the total mark in the final examination will be given an "F" grade for the module even if the overall grade is 50% or higher.

In this learning module, students are required to complete the following assessment activities:

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Mid-term Test (close-book)	32%	M1, M2, M3
A2. Final Examination (close book)	32%	M1, M2, M3
A3. Individual Nursing Skill Examination	20%	M4
A4. Class performance and assignments (individual or group)	12%	M1, M2, M3, M4
A5. Skill practice after lab class under teachers' guidance (8 Hours) (8*0.5=4)	4%	M4
Total	100%	

Remark:

1. The assessment will be conducted following the University's Assessment Strategy (see www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php).

2. The attendance requirement will be conducted following the University's Academic Regulations (see https://www.mpu.edu.mo/student_corner/zh/academic_regulations.php).

3. The attendance rate of the laboratory class will affect the skill examination score, which will be deducted according to student's actual absence ratio.



4. Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

MARKING SCHEME

Assessment Activities	Assessment Criteria	Mark Ranges				
		88-100 High	73-87 Signification	58-72 Moderate	50-57 Basic	<50 Fail
A1. Mid-term Test	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A2. Final Examination	Demonstrate the ability to identify and apply appropriate concepts, methods and techniques	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A3. Individual Nursing Skill Examination	Demonstrate the ability to identify and apply appropriate nursing skills or intervention for special situation and scenario	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A4. 4.1 Class learning performance 4.2 Assignments (individual or group)	4.1 Demonstrate the understanding of the module covered in classes and show active learning attitude. 4.2 Demonstrate the ability to complete individual or group assignment, answer questions on the topics covered in the module.	Excellent	Good/ Very Good	Satisfactory	Marginal Pass	Not reaching marginal levels
A5. Skill practice after lab class under teachers' guidance (8 Hours)	5.1 Attendance requirement 5.2 Actively to perform the learned nursing skills under teachers' instruction	$8h \times 0.5 = 4\%$ $7h \times 0.5 = 3.5\%$ $6h \times 0.5 = 3\%$ $5h \times 0.5 = 2.5\%$ $4h \times 0.5 = 2\%$ $3h \times 0.5 = 1.5\%$ $2h \times 0.5 = 1\%$ $1h \times 0.5 = 0.5\%$ $0h \times 0.5 = 0\%$				



REQUIRED READINGS

戴紅霞、李曉丹（2024）。*內外科護理學I*。澳門：澳門理工大學出版社。978-99965-2-286-4（PDF）

REFERENCES

Lewis S.L., Sandstrom S.A. & Bucher L. (2023). *Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (12th ed.). St. Louis: Mosby.

Lewis S.L., Sandstrom S.A. & Bucher L. (2023). *Study Guide for Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (12th ed.). St. Louis: Mosby.

Mariann M. Harding, Jeffrey Kwong, Debra Hagler. (2022). *Lewis's Medical-Surgical Nursing: Assessment and Management of Clinical Problems, Single Volume* (12th ed). St. Louis: Elsevier.

王霄龍，胡煒國（2013）。*心電圖讀圖進階教程*。上海：上海科學技術出版社。

尤黎明, 吳瑛（2021）。*內科護理學*（第7版）。北京：人民衛生出版社。

李樂之、路潛（2021）。*外科護理學*（第7版）。北京：人民衛生出版社。

黃靜微, 曾詩雯, 莊琬笙（譯）（2015）NANDA International Inc。 *NANDA International 護理診斷：定義與分類 2015~2017*（第7版）。台灣：華杏。

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/.



Time table 1: 2025-2026 Medical-Surgical Nursing I (Class 2A) -Semester 1

N	Content	Teachers
1	Gastrointestinal assessment	北京-李晓丹 1
2	Subject introduction, fluid & electrolyte imbalances	Kerry 1
3	Gallstone and Biliary Tract Infection	北京-李晓丹 2
4	Pancreatitis	北京-李晓丹 3
5	Acid-base imbalance	Kerry2
6	Hepatic cirrhosis	北京-李晓丹 4
7	Abdominal hernias & Intestinal obstruction (1)	北京-李晓丹 5
8	Cardiovascular assessment & diagnostic tests	Wang Yan 1
9	Intestinal obstruction (2) & Peritonitis	北京-李晓丹 6
10	Electrocardiogram Overview and ECG (1)	Karry 1
11	Peptic ulcer disease & Ulcerative colitis	北京-李晓丹 7
12	ECG (2)	Karry 2
13	Breast Disorder	北京-郭金玉 1
14	Hepatitis	北京-郭金玉 2
15	Cardiac Arrhythmias	Karry3
16	Hypertension	北京-郭金玉 3
17	AMI and Simulation on Coronary Artery disease	北京-郭金玉 4
18	Myocarditis, pericarditis & endocarditis	北京-郭金玉 5
19	Coronary Artery disease, Angina Pectoris	北京-郭金玉 6
20	Respiratory system assessment & diagnostic test	北京-田家利 1
21	COPD	北京-田家利 2
22	Tuberculosis	北京-田家利 3
23	Acute & chronic respiratory failure	北京-梁俊卿 1
24	Introduction , Allergy Problems & Systemic Lupus Erythematosus & Varicose veins	北京-梁俊卿 2
25	Rheumatoid Arthritis	北京-梁俊卿 3
26	Upper airway disorder, Pneumonia	北京-陈慧娟 1
27	Peripheral vascular disorders thrombophlebitis	北京-陈慧娟 2
28	Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1)	北京-陈慧娟 3
29	Thyroid & parathyroid disorders (2)	北京-陈慧娟 4
30	Diabetic mellitus	北京-陈慧娟 5
31	Skill 1: 12-leads ECG , ECG monitor (1) 14:30-15:30 Karry, Grace 1 (2) 15:30-16:30 skill practice after lab class: Kerry1 ,Karry1 , Grace 2	Karry 3
32	Simulated case study on Diabetic mellitus / Angina Pectoris	北京-陈慧娟 6
33	Thoracic injure, pneumothorax, hemothorax, pyothorax, Chest Intubation, Chest Tube Drainage	Wang Yan 2
34	TEST (Bei Jing teacher s' 25 topics)	Cindy 1
35	Heart failure	Wangyan 3
36	Skill 2 : Central Venous Pressure (1)14:30-15:30 Wang Yan,Cindy1 (2)15:30-16:30 skill practice after lab class. Cindy2, Ruth1,Yangyan1	Wang yan 4
37	Skill 3: Underwater sealed drainage, suctioning (1)14:30-15:30 Cindy,Ruth2 (2)15:30-16:30 skill practice after lab class. Karry2, Ruth3,Cindy3	Cindy2
38	Skill 4: Tracheostomy care , changing dressing& tie (1)14:30-15:30 Cindy (2)15:30-16:30 guide skill practice after lab class. Karry3,Ruth4,Cindy4	Cindy 3
39	Shock	Wangyan 5
40	Valvular heart diseases	Wangyan6
41	Operation room nursing-introduction, aseptic technique & positioning	Hongxia1
42	Instrument, dressing & Perioperative care	Hongxia2
43	Anesthesia and post-operative nursing	Hongxia 3
44	Skill 5: Blood transfusion (1) 14:30-15:30 Wang Yan ; Cindy5 (2) 15:30-16:30 skill practice after lab class. Cindy6, Ruth 5,Yangyan2	Wang Yan 7
45	Skill 6: Surgical hand scrub, gowning & gloving	Hongxia4



	(1)14:30-15:30 HONGXIA (2)15:30-16:30 skill practice after lab class. Kerry2,Grace3,dhx1	
46	Safety and infection control in OR	Hongxia 5
47	<i>Skill 7: Wound care-change chest tube dressing, remove suture</i> (1)09:00-10:00 HONGXIA (2)10:00-11:00 skill practice after lab class. Kerry3,Grace 4,dhx2	Hongxia 6
48	<i>Skill 8: Ostomy care</i> (1)09:00-10:00 HONGXIA (2)10:00-11:00 skill practice after lab class. Kerry4,Grace 5,dhx3	Hongxia7
49	Final Exam : (Macao teachers' content)	Hongxia 8



Time table 2: 2025-2026 Medical-Surgical Nursing I (Class 2B) -Semester 1

N	Content	Teachers
1	Gastrointestinal assessment	北京-李晓丹 1
2	Subject introduction, fluid & electrolyte imbalances	Kerry 1
3	Gallstone and Biliary Tract Infection	北京-李晓丹 2
4	Pancreatitis	北京-李晓丹 3
5	Hepatic cirrhosis	北京-李晓丹 4
6	Acid-base imbalance	Kerry2
7	Abdominal hernias & Intestinal obstruction (1)	北京-李晓丹 5
8	Intestinal obstruction (2) & Peritonitis	北京-李晓丹 6
9	Cardiovascular assessment & diagnostic tests	Wang Yan 1
10	Peptic ulcer disease & Ulcerative colitis	北京-李晓丹 7
11	Electrocardiogram Overview and ECG (1)_	Karry 1
12	Breast Disorder	北京-郭金玉 1
13	ECG (2)	Karry 2
14	Hepatitis	北京-郭金玉 2
15	Hypertension	北京-郭金玉 3
16	Thoracic injure, pneumothorax, hemothorax, pyothorax, Chest Intubation, Chest Tube Drainage	Wang Yan 2
17	AMI and Simulation on Coronary Artery disease	北京-郭金玉 4
18	Skill 1: Blood transfusion (1)14:30-15:30 Wang Yan ;Karry1,Kerry 1 (2)15:30-16:30 skill practice after lab class. Karry2, Yangyan1, Kerry 2	Wang Yan 3
19	Myocarditis, pericarditis & endocarditis	北京-郭金玉 5
20	Coronary Artery disease, Angina Pectoris	北京-郭金玉 6
21	Respiratory system assessment & diagnostic test	北京-田家利 1
22	Skill 2: 12-leads ECG , ECG monitor (1)14:30-15:30 Karry ,Ruth1 (2)15:30-16:30 skill practice after lab class. Ruth2,dhx1,Karry3	Karry 3
23	COPD	北京-田家利 2
24	Tuberculosis	北京-田家利 3
25	Acute & chronic respiratory failure	北京-梁俊卿 1
26	Introduction , Allergy Problems & Systemic Lupus Erythematosus & Varicose veins	北京-梁俊卿 2
27	Rheumatoid Arthritis	北京-梁俊卿 3
28	Upper airway disorder, Pneumonia	北京-陈慧娟 1
29	Peripheral vascular disorders thrombophlebitis	北京-陈慧娟 2
30	Skill 3: Tracheostomy care , changing dressing& tie (1)14:30-15:30 Cindy, Karry4, Kerry3 15:30-16:30 skill practice after lab class. Karry5,Kerry4,Cindy1	Cindy 1
31	Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1)	北京-陈慧娟 3
32	Skill 4: Underwater sealed drainage, suctioning (1)14:30-15:30 Cindy , Karry6, Kerry 5 (2)15:30-16:30 skill practice after lab class. Karry7,Kerry6,Cindy2	Cindy2
33	Thyroid & parathyroid disorders (2)	北京-陈慧娟 4
34	Skill 5 : Central Venous Pressure (1)11:00-12:00 Wang Yan ,Karry8,Kerry7 (2)12:00-13:00 skill practice after lab class. Karry9,Kerry8,Wangyan2	Wang yan 4
35	Diabetic mellitus	北京-陈慧娟 5
36	Simulated case study on Diabetic mellitus / Angina Pectoris	北京-陈慧娟 6
37	Operation room nursing-introduction, aseptic technique & positioning	Hongxia1
38	Instrument, dressing & Perioperative care	Hongxia2
39	Anesthesia and post-operative nursing	Hongxia 3
40	TEST (Bei Jing teacher s' 25 topics)	Crist1
41	Skill 6: Surgical hand scrub, gowning & gloving (1)11:00-12:00 HONGXIA , Ruth 3, Grace 1 (2)12:00-13:00 skill practice after lab class. Kerry4, Ruth 4, Grace 2,dhx2	Hongxia 4



42	Skill 7: Wound care-change chest tube dressing, remove suture (1)11:00-12:00 HONGXIA ,Ruth 5, Grace3 (2)12:00-13:00 skill practice after lab class. Ruth 6, Grace 4. dhx3	Hongxia 5
43	Skill 8: Ostomy care (1)11:00-12:00 HONGXIA,Ruth 7,Grace 5 (2)12:00-13:00 skill practice after lab class. Ruth 8, Grace 6. dhx 4	Hongxia6
44	Cardiac Arrhythmias	Karry4
45	Heart failure	Wangyan 5
46	Shock	Wangyan 6
47	Valvular heart diseases	Wangyan 7
48	Safety and infection control in OR	Hongxia 7
49	Final Exam : (Macao teachers' content)	Cindy 3



Time table 3: 2025-2026 Medical-Surgical Nursing I (Class 2C) -Semester 1

N	Content	Teachers
1	Subject introduction, fluid & electrolyte imbalances	Kerry 1
2	Gastrointestinal assessment	北京-李晓丹 1
3	Acid-base imbalance	Kerry2
4	Gallstone and Biliary Tract Infection	北京-李晓丹 2
5	Cardiovascular assessment & diagnostic tests	Wang Yan 1
6	Pancreatitis	北京-李晓丹 3
7	Electrocardiogram Overview and ECG (1)	Karry 1
8	Hepatic cirrhosis	北京-李晓丹 4
9	ECG (2)	Karry 2
10	Abdominal hernias & Intestinal obstruction (1)	北京-李晓丹 5
11	Intestinal obstruction (2) & Peritonitis	北京-李晓丹 6
12	Thoracic injure, pneumothorax, hemothorax, pyothorax, Chest Intubation, Chest Tube Drainage	Wang Yan 2
13	Peptic ulcer disease & Ulcerative colitis	北京-李晓丹 7
14	Breast Disorder	北京-郭金玉 1
15	Shock	Wangyan 6
16	Operation room nursing-introduction, aseptic technique & positioning	Hongxia1
17	Hepatitis	北京-郭金玉 2
18	Skill 1: Blood transfusion (1)09:00-10:00 Wang Yan,;dhx1, Ruth1 (2)10:00-11:00 skill practice after lab class. dhx2,Ruth 2,Wangyan1	Wang Yan 3
19	Instrument, dressing & Perioperative care	Hongxia2
20	Hypertension	北京--郭金玉 3
21	Skill 2: 12-leads ECG , ECG monitor (1)14:30-15:30 Karry,dhx3,Kerry 1 (2)15:30-16:30 skill practice after lab class. dhx4, Kerry2, Karry1	Karry 3
22	AMI and Simulation on Coronary Artery disease	北京-郭金玉 4
23	Myocarditis, pericarditis & endocarditis	北京-郭金玉 5
24	Skill 3 : Central Venous Pressure (1) 09:00-10:00 Wang Yan ; dhx5 (2)10:00-11:00 skill practice after lab class. dhx6, Karry2,Wangyan2	Wang yan 4
25	Anesthesia and post-operative nursing	Hongxia 3
26	Coronary Artery disease, Angina Pectoris	北京-郭金玉 6
27	Heart failure	Wangyan 5
28	Respiratory system assessment & diagnostic test	北京-田家利 1
29	Skill 4: Underwater sealed drainage, suctioning (1)14:30-15:30 Cindy , dhx7 (2)15:30-16:30 skill practice after lab class. dhx8,Karry 3,Cindy1	Cindy2
30	Skill5: Surgical hand scrub, gowning & gloving (1)14:30-15:30 HONGXIA ; Karry 4, Kerry 3 (2)15:30-16:30 skill practice after lab class. Kerry 4, Kerry 5,dhx9	Hongxia5
31	COPD	北京-田家利 2
32	Tuberculosis	北京-田家利 3
33	Skill 6: Tracheostomy care , changing dressing& tie (1)16:30-17:30 Cindy, dhx 10 (2)17:30-18:30 skill practice after lab class. dhx11, Karry 6,Cindy2	Cindy 1
34	Acute & chronic respiratory failure	北京-梁俊卿 1
35	Introduction , Allergy Problems & Systemic Lupus Erythematosus & Varicose veins	北京-梁俊卿 2
36	Rheumatoid Arthritis	北京-梁俊卿 3
37	Upper airway disorder, Pneumonia	北京-陈慧娟 1
38	Peripheral vascular disorders thrombophlebitis	北京-陈慧娟 2
39	Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1)	北京-陈慧娟 3



40	Thyroid & parathyroid disorders (2)	北京-陈慧娟 4
41	Diabetic mellitus	北京-陈慧娟 5
42	Simulated case study on Diabetic mellitus / Angina Pectoris	北京-陈慧娟 6
43	Skill 7: Wound care-change chest tube dressing, remove suture (1)14:30-15:30 HONGXIA,Karry 7,Kerry5 (2)15:30-16:30 skill practice after lab class. Kerry6, Karry8, dhx12	Hongxia 6
44	Skill 8: Ostomy care (1)09:00-10:00 HONGXIA,Karry 9, Kerry 7 (2)10:00-11:00 skill practice after lab class. Kerry 8,Karry 10,dhx13	Hongxia7
45	Cardiac Arrhythmias	Karry4
46	TEST (Bei Jing teacher s' 25 topics)	郎斌 1
47	Safety and infection control in OR	Hongxia 5
48	Valvular heart diseases	Wangyan 7
49	Final Exam : (Macao teachers' content)	Pedro 1