

Macao Polytechnic Institute
School of Health Sciences and Sports
Bachelor of Science in Nursing

Module Outline

Academic Year 2021 / 2022 Semester 1

Learning Module	Medical-Surgical Nursing I		Class Code	NMAS2101
Pre-requisite(s)	Fundamental Nursing I (NFUN1101); Fundamental Nursing II(NFUN1102)			
Medium of Instruction	Chinese / English		Credit	6
Lecture Hours	78 hrs	Lab/Practice Hours	12 hrs	Total Hours 90 hrs
Instructor	Dr. DAI Hongxia Dr. Yuan Haobin Dr. WANG Yan Dr. Glenn Luo Dr. LEONG Sin U Cindy		E-mail	hxdai@ipm.edu.mo hbyuan@ipm.edu.mo ywang@ipm.edu.mo glennluo@ipm.edu.mo suleong@ipm.edu
Office	Rm M709; Rm M704; Rm M707; Rm M725; Rm M702, Meng Tak Building, Main Campus		Telephone	85993435,85993429, 85993434,85993443, 85993424

Description

This 90-hour learning module aims to provide a basic understanding of common health problems in the adult clients with medical-surgical diseases and their care. It covers the essential concepts of nursing care related to common acute or chronic illnesses, such as fluid and electrolyte balance, acid-base balance, nutrition support, respiratory disorders, gastrointestinal disorders, cardiovascular disorders, endocrine system disorders and peri-operative nursing. The pathophysiology/etiology, risk factors, clinical manifestations, diagnostic investigations, treatments principles, nursing management and health education for the clients with evidence-based information are included. The nursing process is used as the framework to develop students' clinical reasoning and judgment. Teaching strategies include lectures, case studies, discussion, audio-visuals, class exercise, as well as nursing skill laboratory sessions.

Learning Outcomes

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

1. Describe the etiology, risk factors, pathophysiology, altered physiology, memorize signs and symptoms, diagnostic tests, nursing assessment, medical and nursing interventions of adult clients for problems with fluid and electrolyte balance, acid-base balance, respiratory disorders, gastrointestinal disorders, cardiovascular disorders and endocrine system disorders.
2. Identify medical and nursing interventions about nutrition support and peri-operative nursing. Describe the nurses' roles, function, special skills and equipment in Operation Room and nutritional therapy.
3. Demonstrate the nursing skills of assessment and intervention of disorders of the respiratory gastrointestinal system, cardiovascular system, endocrine system and operation room.
4. Apply nursing process and exercise critical thinking to develop nursing care plans in caring for clients with medical or surgical treatment.

Content

1. Subject introduction (4 hours)
 - 1.1 Fluid & electrolyte imbalances
(**UNDERSTAND:** identify the knowledge and describe criteria of normal and abnormal)
 - 1.2 Acid-base imbalance and Nutrition support
(**MASTER:** apply the knowledge to the clinical case and design a care plan)
2. Operation Room (OR) nursing (6 hours)
 - 2.1 OR skill, asepsis technique & positioning, instrument, dressing
(**UNDERSTAND:** define concepts and describe principles of sterile technique in OR, identify duty of circulating nurse and scrub nurse. **MASTER:** appraise the skills and knowledge of asepsis technique, surgical hand scrub, gowning, gloving, patients' skin preparation and draping in OR. **COMPREHEND:** analyze case and make correct nursing diagnosis and nursing intervention for surgical patients.)
 - 2.2 Perioperative care, safety and infection control in Operation Room.
(**UNDERSTAND:** describe the nurses' roles, function, special skills and equipment in Operation Room)
 - 2.3 Anesthesia and post-operative nursing.
(**UNDERSTAND:** define concepts of anesthesia. **MASTER:** apply knowledge to care surgical patients. **COMPREHEND:** compare classification of different anesthesia; analyze case and make correct nursing diagnosis and nursing intervention for surgical patients.)

3 Respiratory disorders (10 hours)

3.1 Respiratory system assessment & diagnostic test

(UNDERSTAND: identify anatomy and physiology of the respiratory system. memorize and list common clinical manifestations and risk factors. Describe physical examination, nursing intervention in diagnostic tests)

3.2 Upper airway disorder and pneumonia

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, nursing care and health education)

3.3 Tuberculosis

(UNDERSTAND: identify latest information, history, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: demonstrate intradermal injection for tuberculin testing, analyze clinical case to make health promotion, medication management and public health education)

3.4 Chronic obstructive pulmonary diseases(COPD)

(UNDERSTAND: identify latest information, history, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case to make health promotion, medication management and health education)

3.5 Acute & chronic respiratory failure

(UNDERSTAND: identify risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case to make medication management, nursing care and health education)

4 Cardiovascular disorders(22 hours)

4.1 Cardiovascular assessment & diagnostic tests

(UNDERSTAND: identify anatomy and physiology of the heart. memorize and list common clinical manifestations and risk factors, describe physical examination. MASTER: appraise nursing intervention in diagnostic tests)

4.2 Myocarditis, pericarditis & endocarditis

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.3 Coronary Artery disease, Angina Pectoris

(UNDERSTAND: identify risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.4 Hypertension

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.5 Valvular heart disease

(UNDERSTAND: identify risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.6 Heart failure

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.7 Shock

(UNDERSTAND: define and understand the concept of shock, identify etiology and risk factors. MASTER: appraise clinical manifestations. COMPREHEND: compare mechanism of different types of shock, analyze the clinical case and apply the principal of shock management to make a care plan)

4.8 Acute myocardial infarction(AMI) and Simulation on Coronary Artery disease

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide symptom care, medication and nursing care)

4.9 Electrocardiogram overview and normal ECG

(UNDERSTAND: identify electrocardiogram overview, memorize and list normal ECG. MASTER: apply knowledge to judge the ECG for clinical case.)

4.10 Arrhythmia

(UNDERSTAND: identify etiology, risk factors and pathophysiology, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide symptom care, medication management, nursing assessment and nursing interventions)

4.11 Peripheral vascular disorders thrombophlebitis

(UNDERSTAND: identify etiology, risk factors and pathophysiology, define definition. MASTER: appraise clinical manifestations, apply knowledge to provide medication and nursing interventions)

5 Gastrointestinal disorders(16 hours)

5.1 Gastrointestinal assessment

(MASTER: appraise etiology, clinical manifestation, diagnostic evaluation, medical and nursing management, health education. UNDERSTAND: identify anatomy and physiology of the gastrointestinal system. memorize and list common clinical manifestations and risk factors. Describe physical examination, nursing intervention in diagnostic tests)

5.2 Peptic ulcer disease & Ulcerative colitis

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

5.3 Gallstones and Biliary tract infection

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition of Cholelithiasis ,Cholecystitis and Choledocholithiasis. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

5.4 Pancreatitis

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

5.5 Abdominal hernias & Intestinal obstruction

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

5.6 Peritonitis

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze

clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

5.7 Hepatitis

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, nursing care and health education)

5.8 Hepatic cirrhosis

(UNDERSTAND: identify etiology, risk factors, pathophysiology, diagnostic evaluation, define definition. MASTER: appraise clinical manifestations. COMPREHEND: analyze clinical case and apply knowledge to provide medication management, surgical treatment, nursing care and health education)

6 Endocrine System (8 hours)

6.1 Assessment & diagnostic tests

(UNDERSTAND: identify risk factors, describe physical examination. MASTER: appraise clinical manifestations and nursing intervention in diagnostic tests)

6.2 Thyroid & parathyroid disorders

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations, apply knowledge to provide medication and nursing care)

6.3 Diabetic mellitus

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations, apply knowledge to provide medication and nursing care)

6.4 Simulated case study on Diabetic mellitus / Angina Pectoris

(UNDERSTAND: identify risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze simulated case, apply knowledge to provide medication and nursing care.)

7. Introduction, Allergy Problems & Systemic Lupus Erythematosus & Varicose veins (2 hours)

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: compare mechanism of allergy, analyze apply knowledge to provide medication and nursing care)

8. Rheumatoid Arthritis (2 hours)

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations, apply knowledge to provide medication, surgical treatment and nursing care)

9. Breast Disorder (2 hours)

(UNDERSTAND: identify latest information, risk factors and pathophysiology, define definition. MASTER: appraise manifestations. COMPREHEND: analyze clinical case, apply knowledge to provide medication, surgical treatment and nursing care)

10. Test (2 hours):

11. Final Exam (2 hours):

Practice 1 (2 hours)

12. **Class Practice:** Nursing Skill: Tracheostomy suctioning, changing dressing & tie, Underwater sealed drainage

(UNDERSTAND : identify the structure and operational principle of the underwater sealed drainage. MASTER: students practice and operate procedure of suctioning, changing dressing & tie in divided groups.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/08/26 09:00-11:00	Nursing Skill	Tracheostomy suctioning, changing dressing & tie, Underwater sealed drainage	*3-4 groups	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master those skills correctly.
2A: 2021/08/30 09:00-11:00			*6 to 10 students per group		

Practice 2 (2 hours)

13. **Class Practice:** Nursing Skill: Blood transfusion

(UNDERSTAND : identify environment, equipment, the indications of blood transfusion; appraise the importance of checking in blood transfusion, the complications of blood transfusion and the principal of infection control. MASTER: students practice and operate procedure of the blood transfusion in divided groups.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/08/30 14:30-16:30	Nursing Skill	Blood transfusion	*3-4 groups *6 to 10 students per group	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master the skill correctly.
2A: 2021/09/01 11:00-13:00					

Practice 3 (2 hours)

14. **Class Practice:** Nursing Skill: Surgical hand scrub, gowning & gloving

(UNDERSTAND: identify the principal of infection control in Operation Room. MASTER: students practice and operate procedure of surgical hand scrub, gowning and gloving.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/09/02 09:00-11:00	Nursing Skill	Surgical hand scrub, gowning & gloving	*3-4 groups *6 to 10 students per group	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master those skills correctly.
2A: 2021/09/08 11:00-13:00					

Practice 4 (2 hours)

15. **Class Practice:** Nursing Skill: Ostomy care

(UNDERSTAND: identify structure and operational principle of ostomy care. MASTER: students operate procedure of ostomy care in divided groups.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/09/06 14:30-16:30	Nursing Skill	Ostomy care	*3-4 groups *6 to 10 students per group	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master the skill correctly.
2A: 2021/09/09 14:30-16:30					

Practice 5 (2 hours)

16. **Class Practice:** Nursing Skill: 12-leads ECG, ECG monitor

(UNDERSTAND : identify structure of the ECG machine, function of the ECG monitor.

MASTER: students practice and operate procedure of 12-leads ECG and ECG monitor.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/09/14 11:00-13:00	Nursing Skill	12-leads ECG, ECG monitor	*3-4 groups *6 to 10 students per group	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master those skills correctly.
2A: 2021/09/23 11:00-13:00					

Practice 6 (2 hours)

17. **Class Practice:** Nursing Skill: Central Venous Pressure

(UNDERSTAND: identify the structure and operational principle of the Central Venous Pressure. MASTER: demonstrate and operate procedure of central venous pressure.)

Date & Time	Practice Item	Title	Students / Group	Mode of Practice	Requirement
2B: 2021/09/24 09:00-11:00	Nursing Skill	Central Venous Pressure	*3-4 groups *6 to 10 students per group	After a teacher demonstrated procedure, students practice skills in divided groups	Students operate and master the skill correctly.
2A: 2021/10/06 11:00-13:00					

Teaching Method

Lectures with PPT, case analyze and case studies, group discussion, videos and audio-visuals, class exercise, skill demonstration as well as nursing skill practice in nursing laboratory.

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.

It includes four aspects: Test (30%), Final exam (40%), Skill exam (20%) and class performance/assignment (10%). **Any student scoring less than 35% of the total mark in the final examination will be given an “F” grade for the course even if the overall grade is 50% or higher.**

	Item	Description	Percentage
1.	Theory Examination	Test : This is a close-book test. It covers the contents in the time table of the subject. NO.1~22	30%
		Final Examination: This is a close-book examination. It covers the contents in the time table of the subject. NO. 23~44	40%
3.	Nursing Skill Examination	This is an individual skill exam. It covers the six skills in the subject.	20%
4.	Assignment	Class performance and assignment.	10%
Total Percentage:			100%

Teaching Material(s) <Please modify and explain further according to the necessity.>

Textbook(s)

Lewis S.L., Sandstrom S.A. & Bucher L.(2019). *Study Guide for Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (11th ed.). St. Louis: Mosby.

Reference

Reference book(s)

Janice L. Hinkle, Kerry H. Cheever.(2017). *Brunner & Suddarth's Textbook of Medical-Surgical Nursing*(14th ed.). Lippincott Course Point+.

Lewis S.L., Sandstrom S.A. & Bucher L.(2016). *Study Guide for Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (10th ed.). St. Louis: Mosby.

Lewis, S.(2016). *Medical-Surgical Nursing: Assessment and Management of Clinical Problems, Single Volume* (10th ed.). St. Louis: Elsevier Saunders.

- Lewis,S.(2014). *Study Guide for Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (9th ed.). St. Louis: Elsevier Saunders.
- Sharon L. (2014).*Medical-Surgical Nursing: Assessment and Management of Clinical Problems, Single Volume*. Elsevier - Health Sciences Division.
- Sandra M.N. (2014). *The Lippincott manual of nursing practice* (10th ed.). Philadelphia: Lippincott Williams & Wilkins.
- Urden, L. D., Stacy, K. M., & Lough, M. E. (2005). *Thelan's critical care nursing: diagnosis and management* (5th 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。
- NANDA International Inc, 黃靜微, 曾詩雯, 莊琬筌（譯）(2015)。 *NANDA International 護理診斷：定義與分類 2015~2017* (第7版)。台灣：華杏。
- 尤黎明、吳瑛（2017）。*外科護理學* (第6版)。北京：人民衛生出版社。
- 李樂之、路潛（2017）。*外科護理學* (第6版)。北京：人民衛生出版社。

Time Table 1 2021-2022 Med-Sur I (2A class)

N	Date	Time	Content	Teachers
1	8/20/2021	14:30-16:30	Subject introduction, fluid & electrolyte imbalances,	Haobin1
2	8/23/2021	09:00-11:00	Respiratory system assessment & diagnostic test	Wangyan1
3	8/24/2021	11:00-13:00	Acide-base imbalance, parenteral nutrition	Haobin2
4	8/25/2021	11:00-13:00	Upper airway disorder ,Pneumonia	Wangyan2
5	8/26/2021	11:00-13:00	Thoracic injure,pneumothorax, hemothorax, pyothorax, Chest Intubation,Chest Tube Drainage	Haobin3
6	8/26/2021	09:00-11:00	Tuberculosis	Wangyan3
7	8/27/2021	14:30-16:30	COPD	WangYan4
8	8/30/2021	09:00-11:00	Skill 1: Tracheostomy suctioning, changing dressing & tie, Underwater sealed drainage (Glenn1,Hongxia1)	Cindy1
9	8/31/2021	11:00-13:00	Shock	Wangyan6
10	9/1/2021	11:00-13:00	Skill 2 :Blood transfusion (Cindy1,Hongxia2)	Wang Yan7
11	9/2/2021	09:00-11:00	Acute & chronic respiratory failure	Wang Yan5
12	9/2/2021	14:30-16:30	Operation Room nursing& OR skill, asepsis technique & OR nursing: positioning, instrument, dressing	Hongxia1
13	9/3/2021	14:30-16:30	Perioperative care and Safety and infection control in OR	Hongxia2
14	9/6/2021	09:00-11:00	Anesthesia and post-operative nursing	Hongxia3
15	9/7/2021	11:00-13:00	Gastrointestinal assessment	WangYan8
16	9/8/2021	11:00-13:00	Skill 3: Surgical hand scrub, gowning & gloving (Glenn2, Cindy2)	Hongxia4
17	9/9/2021	11:00-13:00	Peptic ulcer disease & Ulcerative colitis	Glenn1
18	9/9/2021	14:30-16:30	Skill 4: Ostomy care (Wangyan1, Cindy3)	Hongxia5
19	9/10/2021	14:30-16:30	Gallstone and Biliary Tract Infection	Glenn2
20	9/13/2021	09:00-11:00	Pancreatitis	Wangyan9
21	9/14/2021	16:30-18:30	Hepatitis	Haobin4
22	9/15/2021	11:00-13:00	Hepatic cirrhosis	Haobin 5
23	9/16/2021	11:00-13:00	Abdominal hernias & Intestinal obstruction(1)	Haobin 6
24	9/16/2021	14:30-16:30	Cardiovascular assessment & diagnostic tests	Wangyan10
25	9/17/2021	14:30-16:30	Intestinal obstruction (2) & Peritonitis	Haobin 7
26	9/20/2021	09:00-11:00	Electrocardiogram Overview and Normal ECG	Glenn 3
27	9/21/2021	16:30-18:30	Test :(Topic1-22)	Glenn 4
28	9/23/2021	11:00-13:00	Skill 5: 12-leads ECG · ECG monitor (Wang Yan2, hongxia3)	Glenn 5
29	9/23/2021	14:30-16:30	Hypertension	Wang Yan11
30	9/28/2021	11:00-13:00	Myocarditis, pericarditis & endocarditis	Haobin 8
31	9/29/2021	11:00-13:00	AMI and Simulation on Coronary Artery disease	Haobin 9
32	9/30/2021	11:00-13:00	Coronary Artery disease,Angina Pectoris	Haobin10
33	9/30/2021	14:30-16:30	Valvular heart diseases	Wang Yan1 2
34	10/5/2021	11:00-13:00	Heart failure	Wang Yan13
35	10/6/2021	11:00-13:00	Skill 6: Central Venous Pressure (Wang Yan3,Glenn3)	Haobin11
36	10/7/2021	11:00-13:00	Peripheral vascular disorders thrombophlebitis	Wang Yan14
37	10/07/2021	14:30-16:30	Cardiac Arrhythmias	Glenn 6
38	10/8/2021	14:30-16:30	Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1)	Haobin12
39	10/8/2021	16:30-18:30	Thyroid & parathyroid disorders (2)	Haobin13
40	10/11/2021	09:00-11:00	Diabetic mellitus	Haobin14
41	10/12/2021	11:00-13:00	Simulated case study on Diabetic mellitus / Angina Pectoris	Haobin15
42	10/15/2021	14:30-16:30	Introduction ·Allergy Problems & Systemic Lupus Erythematosus &Varicose veins	Wang Yan15
43	10/19/2021	11:00-13:00	Rheumatoid Arthritis	Wangyan16
44	10/20/2021	09:00-11:00	Breast Disorder	Glenn 7
45	12/6/2021	11:00-13:00	Final Exam : (Topic23-44)	Cindy 2

Time Table 2 2021-2022 Med-Sur I (2B class)

N	Date	Time	Content	Teachers
1	8/20/2021	09:00-11:00	Subject introduction, fluid & electrolyte imbalances,	Haobin1
2	8/23/2021	14:30-16:30	Operation Room nursing& OR skill, asepsis technique & OR nursing: positioning, instrument, dressing	Hongxia1
3	8/24/2021	11:00-13:00	Respiratory system assessment & diagnostic test	Wangyan1
4	8/24/2021	14:30-16:30	Upper airway disorder ,Pneumonia	Wangyan2
5	8/25/2021	09:00-11:00	Acide-base imblance, parenteral nutrition	Haobin2
6	8/25/2021	14:30-16:30	Shock	Wangyan3
7	8/26/2021	09:00-11:00	Skill1: Tracheostomy suctioning, changing dressing & tie, Underwater sealed drainage (Glenn1,Hongxia1)	Cindy1
8	8/26/2021	11:00-13:00	COPD	WangYan4
9	8/27/2021	09:00-11:00	Acute & chronic respiratory failure	Wang Yan5
10	8/30/2021	14:30-16:30	Skill 2:Blood transfusion (Cindy1,Hongxia2)	Wang Yan6
11	8/31/2021	11:00-13:00	Thoracic injure,pneumothorax, hemothorax, pyothorax, Chest Intubation,Chest Tube Drainage	Haobin3
12	8/31/2021	14:30-16:30	Tuberculosis	Wangyan 7
13	9/1/2021	09:00-11:00	Perioperative care and Safety and infection control in OR	Hongxia2
14	9/1/2021	14:30-16:30	Gastrointestinal assessment	WangYan8
15	9/2/2021	09:00-11:00	Skill 3: Surgical hand scrub, gowning & gloving (Glenn2, Cindy2)	Hongxia3
16	9/2/2021	11:00-13:00	Anesthesia and post-operative nursing	Hongxia 4
17	9/3/2021	09:00-11:00	Peptic ulcer disease & Ulcerative colitis	Glenn1
18	9/6/2021	14:30-16:30	Skill 4: Ostomy care (Wangyan1, Cindy3)	Hongxia 5
19	9/7/2021	11:00-13:00	Gallstone and Biliary Tract Infection	Glenn2
20	9/7/2021	14:30-16:30	Pancreatitis	Wangyan9
21	9/8/2021	09:00-11:00	Hepatitis	Haobin 4
22	9/8/2021	14:30-16:30	Hepatic cirrhosis	Haobin 5
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25	9/10/2021	16:30-18:30	Intestinal obstruction(2) & Peritonitis	Haobin 7
26	9/13/2021	14:30-16:30	Electrocardiogram Overview and Normal ECG	Glenn3
27	9/13/2021	16:30-18:30	Myocarditis, pericarditis & endocarditis	Haobin 8
28	9/14/2021	11:00-13:00	Skill 5: 12-leads ECG · ECG monitor (Wang Yan2, hongxia3)	Glenn4
29	9/14/2021	14:30-16:30	Hypertension	Wang Yan11
30	9/15/2021	09:00-11:00	Cardiac Arrhythmias	Glenn5
31	9/16/2021	09:00-11:00	AMI and Simulation on Coronary Artery disease	Haobin 9
32	9/16/2021	11:00-13:00	Valvular heart diseases	Wang Yan12
33	9/16/2021	16:30-18:30	Coronary Artery disease,Angina Pectoris	Haobin10
34	9/17/2021	16:30-18:30	Endocrine System: Assessment & diagnostic tests; Thyroid & parathyroid disorders (1)	Haobin11
35	9/21/2021	11:00-13:00	Heart failure	Wang Yan13
36	9/21/2021	16:30-18:30	Test :(Topic1-22)	Cindy 2
37	9/23/2021	09:00-11:00	Peripheral vascular disorders thrombophlebitis	Wang Yan14
38	9/23/2021	11:00-13:00	Thyroid & parathyroid disorders (2)	Haobin12
39	9/23/2021	14:30-16:30	Diabetic mellitus	Haobin13
40	9/24/2021	09:00-11:00	Skill 6: Central Venous Pressure (Wang Yan3,Glenn3)	Haobin14
41	9/29/2021	16:30-18:30	Simulated case study on Diabetic mellitus / Angina Pectoris	Haobin15
42	9/30/2021	09:00-11:00	Introduction · Allergy Problems & Systemic Lupus Erythematosus &Varicose veins	Wang Yan15
43	9/30/2021	11:00-13:00	Rheumatoid Arthritis	Wangyan16
44	9/30/2021	14:30-16:30	Breast Disorder	Glenn 6
45	12/6/2021	11:00-13:00	Final Exam : (Topic 23-44)	Wangyan 17