



RQF 3

Course Specification

Institution's name Rangsit University
 Faculty Nursing Science

Section 1 General Information

Course Number and Course Title	BNE 221 Nursing Care of Adult and Elderly 1
Number of Credit	3 credits (2-2-5)
Curriculum	Nursing
Type of Subject	Professional
Course Coordinator	Dr. Nuttapol Yuwanich
Co-course coordinator	Assistant Professor Orathai Reantippayasakul
Course Instructors	<ol style="list-style-type: none"> 1. Assistant Professor Dr. Sangrawee Maneesri 2. Assistant Professor Orathai Reantippayasakul 3. Associate Professor Dr. Manaporn Chatchumni 4. Dr. Nuttapol Yuwanich 5. Aj. Monthira Muangchan
Academic semester	<input type="checkbox"/> First <input checked="" type="checkbox"/> Second <input type="checkbox"/> Summer
Year	<input checked="" type="checkbox"/> First year <input type="checkbox"/> Second year <input type="checkbox"/> Third year <input type="checkbox"/> Fourth year
Pre-requisite or Co-requisite	None
Study Place	<ul style="list-style-type: none"> ● Onsite at the School of Nursing Science, Rangsit University: Room 4/2-400-1. ● Online at any private place of interest.
Updated date	January 6, 2025

Section 2 Purpose and Objectives

1. Objectives of the course

The students are able to understand the principles of adult and elderly health nursing; describing pathophysiology, developing nursing problems, and selecting appropriate nursing care for adults and elderly with acute, critical, and chronic health problems by using the nursing process and approach covering professional ethics, health promotion, illness prevention, care, and rehabilitation.

2. Course Description

Nursing care of adult and elderly patients with acute, critical, and chronic health problems related to the respiratory system, cardiovascular system, hematological system, Infection, fluid and electrolytes imbalance, urinary system, gastrointestinal system, nutrition promotion and therapy, emergency and trauma nursing based on patient's safety, patient's rights, ethics, professional code of ethics, and related laws.

3. Contact hours for students per week for receiving academic advising

- 1) The space timetable of course coordinators and course instructors is declared for students to make an appointment.
- 2) Individual or group consultation for 1 hour/week is dependent on student requirements.

Course coordinator and instructors	Room	Contact information	Schedule
Dr. Nuttapol Yuwanich	4-408	Nuttapol.y@rsu.ac.th	Monday 10.00-12.00 a.m.
Aj. Orathai Reantippayasakul	4-408	orathai.r@rsu.ac.th	Monday 10.00-12.00 a.m.
Assistant Professor Dr. Sangrawee Maneesri	4-408	sangrawee.m@rsu.ac.th	Monday 10.00-12.00 a.m.
Assistant Professor Dr. Manaporn Chatchumni	4/2-411	manaporn@rsu.ac.th	Monday 10.00-12.00 a.m.

Remark: If a face-to-face meeting with the course coordinator and instructors is not possible due to the mismatched schedule, the students can contact the instructors via email and/or any other communication routes such as the LINE application, zoom meetings, etc.

4. Course Learning Outcomes (CLOs)

4.1. To respect human rights, values, individual differences, and the human dignity of others and themselves, and show a positive attitude toward the nursing profession.

(Sub PLO 1.2).

4.2. To be knowledgeable and understand the key concepts of adult and elderly patients with acute, critical, and chronic health problems related to the respiratory system, cardiovascular system, hematological system, Infection, fluid and electrolytes imbalance, urinary system, gastrointestinal system, nutrition promotion and therapy, emergency and trauma nursing based on patient's safety, patient's rights, ethics, professional code of ethics, and related laws. (Sub PLO 2.2).

4.3. Be able to apply scientific methods/ nursing processes to analyze the information related to health problems and prioritize the appropriate nursing care for problem-solving ill health and promoting health. (Sub PLO 3.2).

4.4. Be able to work as a leader and team member in various contexts and positively interact with colleagues, multidisciplinary healthcare teams, and clients. (Sub PLO 4.2).

4.5. Be able to utilize information and communicate information skills effectively (Sub PLO 5.2).

4.6. To effectively use English for studying, presenting, and communicating in class (Sub PLO 5.2).

4.7. To apply effective communication skills in presenting and/or discussing health information and utilize digital technology for searching and analyzing the health problem (Sub PLO 5.2).

Section 3 Student's Learning Outcome Development

1. LO

1. Moral and Ethical Development

●	Learning Outcome	Learning Process	Evaluation
1.2	Respect human rights, values, and individual differences, as well as the human dignity of others and themselves, and show a positive attitude toward the nursing profession.	<ul style="list-style-type: none"> Group tutorial is done to examine the topic of client rights and professional ethics such as the confidentiality of clients with HIV/AIDS etc. Reflect on students' behaviors and admire good students as role models in self-discipline and responsibility. Individual meetings and self-reflection shall be done in case of inappropriate behavior of the students. 	1. Class attendance and punctuality. 2. Assignments are submitted on time. 3. Reflect on human rights, patient rights, values, and individual differences, as well as the human dignity of others and themselves, and show a positive attitude toward the nursing profession during classroom tutorials and conducting assignments.
2. Knowledge			
2.2	Be knowledgeable and understanding in Nursing care of adult and elderly patients with acute, critical, and chronic health problems related to the respiratory system, cardiovascular system, hematological system, Infection, fluid and electrolytes imbalance, urinary system, gastrointestinal system, nutrition promotion, and therapy, emergency and trauma nursing based on patient's safety, patient's rights, ethics, professional code of ethics, and related laws.	<ul style="list-style-type: none"> In each topic, provide information resources, guidelines for learning, and exercises for students to prepare themselves before a group tutorial starts. At the beginning of each topic, an online class discussion focusing on the main concepts shall be made by using the nursing process approach. Offer adequate time for students to brainstorm and search for the information to respond to the exercise. Instructors and all students participate in a group discussion to discuss the knowledge and information that should be correct answers for the exercise. After finishing the class discussion, self-evaluation is done by each student focusing on participation within a group. Furthermore, the entire student's exercise needs to be completed before the next session. 	<ul style="list-style-type: none"> Self-evaluation form focusing on participation and case assignment. Examination* result: Multiple choices parts 1 and 2. Quiz. Objective Structured Clinical Examinations (OSCE) with high-fidelity simulation (Sim-man) in the nursing laboratory. <p>Remark*: The examination methods may be varied depending on the appropriateness of the class.</p>

●	Learning Outcome	Learning Process	Evaluation
3. Cognitive skills			
3.2	Be able to apply a scientific methods/ nursing processes to analyze the information related to health problem and prioritize the appropriate nursing care for problem solving in ill-health and promoting health.	<ul style="list-style-type: none"> Self-evaluation focusing on knowledge gain, weakness and strength, and self-development plan on the next topic. Retrieve nursing information (e.g., full-text, VDO clip, research paper, or academic journal, internet sources) for each topic and properly apply them for performing in case studies. Brainstorm and discuss on provided scenarios in student's exercises and summarize suitable answers. Discussing at the pre-briefing and debriefing in the nursing laboratory. 	<ul style="list-style-type: none"> Students' self-reflection on each topic (regarding weakness and strength and self-development plan) Student's opinions during brainstorm and discussion. Results of Mid-term and Final examination. Results from the OSCE with high-fidelity simulation (Sim-man) in the nursing laboratory.
4. Interpersonal skills			
4.2	Be able to work as a leader and team member in various contexts and positively interact with colleagues, multidisciplinary healthcare team, and clients.	<ul style="list-style-type: none"> Assigned students to work as a team in assignment and nursing laboratory. Encourage student turns to be a team leader and team members when working in group. 	<ul style="list-style-type: none"> Self-reflection Observe and record interpersonal skill and responsibility in their role.
5. Analytical and numerical skills and using information and technology			
5.2	To apply effective communication skills on presenting and/or discussion regarding health information and utilize digital technology for searching and analyzing the health problem.	<ul style="list-style-type: none"> Discussion, presentation, and knowledge sharing in class. Admire and providing positive reinforcement to encourage students to perform effective communication during discussion, and presentation. Using advance technology to search information for conducting case presentation, assignment, and citation. Encourage students to offer their opinions when they participate in a group tutorial. Reflect positively when student's opinion is unclear and not hitting the point. Encourage the students to use English for presentation and communication. 	<ul style="list-style-type: none"> Case reports and presentations.

Section 4 Lesson Plan and Evaluation

1. Lesson plan

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
<u>Week 1</u> Mon 20 Jan 2025 13:30-14:00 hrs.	Course orientation	30 minutes	1.3, 1.4 1.5	<ul style="list-style-type: none"> - Upload course details (i.e., schedule, assignments, references). - Orientation the course including objectives, contents, teaching patterns, and evaluation methods. <p><u>Materials:</u> PowerPoint (PPT) presentation, VDO, and course schedule.</p>	<ul style="list-style-type: none"> - Observe students' interest and participation during and the orientation. - Discuss with the students and let them make reflections. 	Dr. Nuttapol Asst. Prof. Orathai
<u>Week 1</u> Mon 20 Jan 2025 14:00-16:00 hrs.	Unit 1 Conceptual bases of adult and elderly nursing in acute and chronic phases. <ul style="list-style-type: none"> ● Surgical care nursing. ● Medical care nursing. 	2	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to the principle of conceptual bases of adult and elderly nursing in acute and chronic phases. - Discuss the nursing process related to acute and chronic phases for medical and surgical problems. - Complete assignments and discuss the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 1.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 1. - Examination 1. 	Assc. Prof. Dr. Manaporn

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
Week 2 Mon 27 Jan 2025 13:00-16:00 hrs.	Unit 2: Nursing Care of the patient with Respiratory Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Respiratory Disorders. - Discuss about the nursing process related to a patient with Respiratory Disorders. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 2.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 2. - Examination 1. 	Asst. Prof. Orathai
Week 3 Mon 03 Feb 2025 13:00-16:00 hrs.	Unit 3: Nursing Care of the patient with Cardiovascular Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of CVS disorders. - Discuss about the nursing process related to a patient with CVS disorder. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 3.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 3. - Examination. 	Dr. Nuttapol

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
<u>Week 4</u> Mon 10 Feb 2025 13:00-16:00 hrs.	Unit 4: Nursing Care of the patient with Hematological Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Genitourinary disorders. - Discuss about the nursing process related to a patient with Hematological Disorders. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 4.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 4. - Examination. 	Dr. Nuttapol
<u>Week 5</u> Mon 17 Feb 2025 13:00-16:00 hrs.	Unit 5: Nursing Care of the patient with Gastrointestinal Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Gastrointestinal Disorders. - Discuss about the nursing process related to a patient with Gastrointestinal Disorders. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 5.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 5. - Examination. 	Asst. Prof. Orathai
<u>Week 6</u> Mon 24 Feb 2025 13:00-16:00 hrs.	Unit 6 Nursing Care for the patient with Genitourinary Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Genitourinary Disorders. - Discuss about the nursing process related to a patient with Hematological Disorders. 	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. 	Asst. Prof. Dr. Sangrawee

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
				<ul style="list-style-type: none"> - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 6.</p>	<ul style="list-style-type: none"> - Exercises of unit 6. - Examination. 	
<u>Week 7</u> Mon 03 Mar 2025 13:00-16:00 hrs.	Unit 7 Nursing Care of the patient with Acid-Base Imbalance, Electrolyte Disorders & Shock.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Acid-Base Imbalance, Electrolyte Disorders & Shock. - Discuss about the nursing process related to a patient with Acid-Base Imbalance, Electrolyte Disorders & Shock. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 7.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 7. - Final examination. 	Asst. Prof. Dr. Sangrawee
<u>Week 8</u> Mon 10 Mar 2025 13:00-17:00 hrs.	Unit 8: Nursing Care of the patient with Immunologic disorders, Infectious and Emerging infectious diseases.	4	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Infectious and Emerging infectious diseases. - Discuss about the nursing process related to a patient with Infectious and Emerging infectious diseases. - Complete assignments and discussing the answers with the instructors and classmates. 	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 8. - Final examination. 	Dr. Nuttapol

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
				<ul style="list-style-type: none"> - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 8.</p>		
<u>Week 9</u> Mon 17 Mar 2025 13:00-16:00 hrs.	Unit 9: Nursing Care for the patient with Endocrine and hormonal Disorders.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of Endocrine and hormonal Disorders. - Discuss about the nursing process related to a patient with Endocrine and hormonal Disorders. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, lecture notes, quiz, VDO, and exercise of unit 9.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 9. - Final examination. 	Aj. Orathai / Aj. Monthira
<u>Week 10</u> Mon 24 Mar 2025 13:00-17:00 hrs.	Unit 10 First Aids for Medical and Surgical Problems, Emergency care and Disaster management.	3	2.2, 2.3, 2.5, 3.2, 3.3, 4.2, 5.2	<ul style="list-style-type: none"> - Lecture and discussion related to principle of First Aids for Medical and Surgical Problems, Emergency care and Disaster management. - Discuss about the nursing process related to principles of First Aids for Medical and Surgical Problems, Emergency care and Disaster management. - Complete assignments and discussing the answers with the instructors and classmates. - The instructor summarizes the core concept and nursing care after the class. - Questions and answers, and reflections. 	<ul style="list-style-type: none"> - Students' attention and participation in the online class. - Quiz or post-test after the class. - Group presentation and discussing related to nursing process. - Exercises of unit 10. - Mid-term examination. 	Asst. Prof.Dr. Manaporn

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
				Materials: PPT presentation, lecture notes, quiz, VDO, and exercise of unit 10.		
<u>Week 11</u> Gr1: Mon 31 Mar Gr2: Mon 21 Apr 2025 9:00-16:00 hrs.	Lab 1: High alert drugs & Central venous pressure (CVP)	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the principles, pharmacology, dosage calculation, drug preparation, and nursing role related to HADs. - Discuss the principles of CVP. - Demonstrate the procedure of calculating and preparing of HADs, and using of infusion pump for administering HADs and discuss about health teaching in case of providing information for the patients. - Students perform self-practice on HADs calculation, preparing, and using of infusion pump and return demonstration. - Demonstrate the procedure of measuring CVP and discuss about health teaching in case of providing information for the patients. - Students perform self-practice on CVP measurement and return demonstration. - The instructors and students summarize the core concept of the lab and nursing care. - Questions and answers, and reflections. Materials: PPT presentation, VDO, HADs and medication administration sets, infusion pump, and arm mannikin.	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. - Return demonstration. - Laboratory examination including theory and practice. 	Dr. Nuttapol Asst. Prof. Orathai
<u>Week 12</u> Gr1: Tue 01 Apr Gr2: Tue 22 Apr 2025 9:00-16:00 hrs.	Lab 2: Airway management and Ventilator care	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the principles, objectives, and nursing role related to airway management and ventilator care. - Demonstrate the procedure of airway management and ventilator care and discuss about health teaching in case of providing information for the patients. - Students perform self-practice on airway management and ventilator care and return demonstration. - The instructors and students summarize the core concept of the lab and nursing care. - Questions and answers, and reflections. 	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. - Return demonstration. - Laboratory examination including theory and practice. 	Dr. Nuttapol Asst. Prof. Orathai

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
				<u>Materials:</u> PPT presentation, VDO, artificial airways, ventilator, and mannikin.		
<u>Week 13</u> Gr1: Wed 02 Apr Gr2: Wed 23 Apr 2025 9:00-16:00 hrs.	Lab 3: Basic cardiopulmonary resuscitation (CPR) and Electrocardiography (ECG)	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the principles, objectives, and nursing role related to basic CPR. - Demonstrate the procedure of basic CPR and discuss about health teaching in case of providing information for the patients' relatives. - Students perform self-practice on basic CPR and return demonstration. - Discuss the principles, objectives, interpretation, and nursing role related to ECG. - Demonstrate the procedure of examining ECG and discuss about health teaching in case of providing information for the patients. - Students perform self-practice on ECG test and return demonstration. - The instructors and students summarize the core concept of the lab and nursing care. - Questions and answers, and reflections. <u>Materials:</u> PPT presentation, VDO, AED, and CPR mannikin.	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. - Return demonstration. - Laboratory examination including theory and practice. 	Dr. Nuttapol Asst. Prof. Orathai
<u>Week 14</u> Gr1: Thu 03 Apr Gr2: Thu 24 Apr 2025 9:00-16:00 hrs.	Lab 4: Colostomy care, drainages, and intercostal drainage (ICD)	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the principles, objectives, and nursing role related to Colostomy care, drainages, and intercostal drainage (ICD). - Demonstrate the procedure of Colostomy care, drainages, and intercostal drainage (ICD) for the simulation patients. - Students perform self-practice on Colostomy care, drainages, and intercostal drainage (ICD) and return demonstration. 	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. - Return demonstration. 	Dr. Nuttapol Asst. Prof. Orathai

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
				<ul style="list-style-type: none"> - The instructors and students summarize the core concept of the lab and nursing care. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, VDO, artificial airways, ventilator, and mannikin.</p>	- Laboratory examination including theory and practice.	
<u>Week 15</u> Gr1: Fri 04 Apr Gr2: Fri 25 Apr 2025 9:00-16:00 hrs.	Lab 5: CAPD and Hemodialysis	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the principles, objectives, and nursing role related to CAPD and Hemodialysis. - Demonstrate the procedure of CAPD and Hemodialysis for the simulation patients. - Students perform self-practice on CAPD and Hemodialysis and return demonstration. - The instructors and students summarize the core concept of the lab and nursing care. - Questions and answers, and reflections. <p><u>Materials:</u> PPT presentation, VDO, artificial airways, ventilator, and mannikin.</p>	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. - Return demonstration. - Laboratory examination including theory and practice. 	Dr. Nuttapol Aj. Orathai
<u>Appointment</u>	<div>Examination</div> <div>Exam 1: Unit 1 – 4.</div> <div>Exam 2.1: Unit 5 – 7.</div> <div>Exam 2.2: Unit 8 – 10.</div>					

Week Date/Time	Topics	Hours	Learning Outcome	Learning and Teaching Process/Materials	Evaluation	Instructors
Gr1: Thu 10 Apr Gr2: Thu 30 Apr 2025 9:00-16:00 hrs.	Lab Examination: Simulation based scenario with high-fidelity simulation manikin (Sim-man)	6	3.2, 3.3, 4.2, 4.3, 5.2, 5.3	<ul style="list-style-type: none"> - Discuss the core concepts and principles of all nursing laboratories in this course. - Questions and answers, and reflections. - Simulation based scenario with high-fidelity simulation manikin (Sim-man) in the nursing laboratory. <p><u>Materials:</u> PPT presentation, VDO, and high-fidelity simulation manikin (Sim-man).</p>	<ul style="list-style-type: none"> - Students' attention and participation in the nursing laboratory. - Group or individual discussion related to nursing procedure. 	All instructors.

2. Evaluation plan

Learning outcomes	Evaluation method	week	Evaluation proportion
1. Moral and Ethical Development	Attending the class and submitting the assignments regularly and on time.	Throughout the semester.	Pass/ Not pass Ethical discussion
2. Knowledge	Examinations <ul style="list-style-type: none"> • Exam 1. • Exam 2 (split into 2.1 and 2.2). 	Appointment	<ul style="list-style-type: none"> • <u>60%</u> • 20% • 40%
3. Cognitive skills	Students' assignments, Case discussions, and laboratory examinations (situations) via simulation based		
	<ul style="list-style-type: none"> • Quiz and discuss nursing problems and prioritize essential nursing care via a case study. 	Throughout the semester	<ul style="list-style-type: none"> • <u>10%</u>
	<ul style="list-style-type: none"> • Perform the proper nursing care in the simulation base examination. 	Appointment	<ul style="list-style-type: none"> • <u>30%</u>
4. Personal characteristic	<ul style="list-style-type: none"> • Moral and ethical concerns. • Clinical judgement in the simulation base examination. 	Throughout the semester.	<u>See learning outcome 1.</u>

Section 5 Learning and Teaching Resource

1. Main text

- LeMone, P. T., Burke, K. M., Bauldoff, G., & Gubrud-Howe, P-M. (2020). LeMone and Burke's Medical-Surgical Nursing: Critical thinking in Patient Care (8th ed.). Upper Saddle River, New Jersey: Pearson.

2. Documentation and Essential information

2.1 Documentations

- Ashelford, S., Raynsford, J., & Taylor, V. (2019). *Pathophysiology & pharmacology in nursing* (2nd ed.). Thousand Oaks, CA: Sage.
- Comerford, K. C., & Durkin, M. T. (2019). Nursing 2020 drug handbook (40th ed.). Lippincott Williams & Wilkins.
- Eckman, M. (2013). *Lippincott's nursing procedures* (6th ed.). Philadelphia: Wolters Kluwer | Williams & Wilkins.
- Lilley, L. L., Collins, S. R., & Synder, J. S. (2014). *Pharmacology and the nursing process* (7th ed.). Missouri: Elsevier Mosby.
- Bauldoff, G., Gubrud, P., & Caron, M. (2019). LeMone and Burke's Medical-Surgical Nursing: Critical thinking in Patient Care. 7th Edition. Upper Saddle River, New Jersey: Pearson.
- Elipoutos, C. (2014). *Gerontological Nursing* (8th ed.). Philadelphia: Wolters Kluwer | Williams & Wilkins.
- Harding, M. M., Kwong, J., Roberts, D., Reinisch, C., & Hagler, D. (2019). Lewis's medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). Elsevier-Health Sciences Division.
- Tetley, J., Cox, N., Jack, K., & Witham, G. (2018). Nursing older people at a glance. John Wiley & Sons.

2.2 Web sites

- Learn about definition of technical terms used in Medical-Surgical Nursing and listen how to pronounce technical terms in each topic at <http://quizlet.com/subject/medical-surgical-nursing>
- Free download nursing e-book, Nursing Diagnosis Manual: Planning, Individualize, and Documenting Client Care retrieve from

http://www.ebook3000.com/Nursing-Diagnosis-Manual--Planning--Individualizing-and-Documenting-Client-Care_58349.html

3. Documentation and Suggested information

3.1 Documentations

- Dugar, S., Choudhary, C., & Duggal, A. (2020). Sepsis and septic shock: Guideline-based management. *Cleveland Clinic Journal of Medicine*, 87(1) 53-64; DOI: 10.3949/ccjm.87a.18143
- Panchal, A. R., Bartos, J. A., Cabañas, J. G., Donnino, M. W., Drennan, I. R., Hirsch, K. G., Kudenchuk, P. J.... Berg, K. M. (2020). Part 3: Adult Basic and Advanced Life Support: 2020 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*, 142(16), S366-S468. Doi: 10.1161/CIR.0000000000000916
- Phrommintikul, A., Buakhamsri, A., Janwanishstaporn, S., Sanguanwong, S., & Suvachittanont, N. (2019). Heart Failure Council of Thailand (HFCT) 2019 Heart Failure Guideline: Acute Heart Failure. *Journal of Medical Association Thailand*, 102(3), 373-379.
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Section 6 Evaluation and Improvement Plan

1. Effective Evaluation Strategy by Students

- Self-reflection within a group, including an instructor and students, focusing on students' knowledge, responsibility, weaknesses and strengths, understanding of client rights and professional ethics, and self-development plan.
- Unit evaluation and course evaluation.

2. Teaching Evaluation Strategy

- Observation of teaching strategy by team-teaching, head of an adult and elderly nursing of the bilingual nursing program, and director of the bilingual nursing program.
- Results of examination & student report.

3. Teaching Improvement

- Develop teaching strategy based on reflection of the teaching team, head of the adult and elderly nursing of the nursing program, director of the nursing program, students, and results of the unit and course evaluation.

4. Re-evaluation of student's achievement

- Randomize interviews with some students by the course coordinator & head of the adult and elderly nursing of bilingual nursing program.
- All course instructors meet & verify students' learning outcomes, scores, and grades.
- Defend students' grades and re-adjust in the committee of the nursing program and the faculty committee.

5. Verification and Planning of Course Improvement

- Improve learning strategies based on the evaluations every year.

Class schedule Semester 2-2025

BNE221 Nursing Care of Adults and Elderly 1

Week	Date/Time	Topic	Instructor
1	<u>Mon 20 Jan 2025</u> 13:30-14:00 hrs.	Orientation	Dr. Nuttapol & Asst. Prof. Orathai
	14:00-16:00 hrs.	Unit 1: Conceptual bases of adult and elderly nursing in acute and chronic phases. <ul style="list-style-type: none"> • Surgical care nursing. • Medical care nursing. 	Assoc. Prof. Dr. Manaporn
2	<u>Mon 27 Jan 2025</u> 09:00-12:00 hrs.	Unit 2: Nursing Care of the patient with Respiratory Disorders.	Asst. Prof. Orathai
3	<u>Mon 03 Feb 2025</u> 13:00-16:00 hrs.	Unit 3: Nursing Care of the patient with Cardiovascular Disorders.	Dr. Nuttapol
4	<u>Mon 10 Feb 2025</u> 13:00-16:00 hrs.	Unit 4: Nursing Care of the patient with Hematological Disorders.	Dr. Nuttapol
5	<u>Mon 17 Feb 2025</u> 13:00-16:00 hrs.	Unit 5: Nursing Care of the patient with Gastrointestinal Disorders.	Asst. Prof. Orathai
6	<u>Mon 24 Feb 2025</u> 13:00-16:00 hrs.	Unit 6 Nursing Care for the patient with Genitourinary Disorders.	Asst. Prof. Dr. Sangrawee
7	<u>Mon 03 Mar 2025</u> 13:00-16:00 hrs.	Unit 7 Nursing Care of the patient with Acid-Base Imbalance, Electrolyte Disorders & Shock.	Asst. Prof. Dr. Sangrawee
8	<u>Mon 10 Mar 2025</u> 13:00-17:00 hrs.		Asst. Prof. Orathai

Week	Date/Time	Topic	Instructor
		Unit 8: Nursing Care of the patient with Immunologic disorders, Infectious and Emerging infectious diseases.	Dr. Nuttapol
9	<u>Mon 17 Mar 2025</u> 13:00-16:00 hrs.	Unit 9: Nursing Care for the patient with Endocrine and hormonal Disorders.	Aj. Monthira
10	<u>Mon 24 Mar 2025</u> 13:00-16:00 hrs.	Unit 10 First Aids for Medical and Surgical Problems, Emergency care and Disaster management.	Assoc. Prof. Dr. Manaporn
11	<u>Gr1:</u> Mon 31 Mar 2025 <u>Gr2:</u> Mon 21 Apr 2025 9:00-16:00 hrs.	Lab 1: High alert drugs & Central venous pressure (CVP)	Dr. Nuttapol Asst. Prof. Orathai
12	<u>Tue 01 Apr 2025</u> 8:00-09:15 hrs.	Exam 1 Unit 1, 2, 3 & 4	Dr. Nuttapol Asst. Prof. Orathai
	<u>Gr1:</u> Tue 01 Apr 2025 9:30-16:30 hrs. <u>Gr2:</u> Tue 22 Apr 2025 9:00-16:00 hrs.	Lab 2: Basic cardiopulmonary resuscitation (CPR) and Electrocardiography (ECG)	
13	<u>Gr1:</u> Wed 02 Apr 2025 <u>Gr2:</u> Wed 23 Apr 2025 9:00-16:00 hrs.	Lab 3: Airway management and Ventilator care	Dr. Nuttapol Asst. Prof. Orathai
14	<u>Gr1:</u> Thu 03 Apr 2025 <u>Gr2:</u> Thu 24 Apr 2025 9:00-16:00 hrs.	Lab 4: Colostomy care, drainages, and intercostal drainage (ICD)	Dr. Nuttapol Asst. Prof. Orathai

Week	Date/Time	Topic	Instructor
15	<u>Gr1:</u> Fri 04 Apr 2025 <u>Gr2:</u> Fri 25 Apr 2025 9:00-16:00 hrs.	Lab 5: CAPD and Hemodialysis	Dr. Nuttapol Asst. Prof. Orathai
16	<u>Gr1:</u> Tue 08 Apr 2025 <u>Gr2:</u> Mon 28 Apr 2025 9:00-16:00 hrs.	Simulation Training	Dr. Nuttapol Asst. Prof. Orathai
	<u>Wed 9 Apr 2025</u> 9.00-10.15 hrs.	Exam 2.1 Unit 5, 6 & 7	Instructors
17	<u>Gr1:</u> Thu 10 Apr 2025 <u>Gr2:</u> Wed 30 Apr 2025 9:00-16:00 hrs.	Lab Examination (simulation-based scenario)	Dr. Nuttapol Asst. Prof. Orathai
	<u>Tue 29 Apr 2025</u> 9.00-10.15 hrs.	Exam 2.2 Unit 8, 9 & 10	Instructors

Remark: There will be no class during Songkran festival (13 – 16 April 2025).