

Faculty School of Nursing **Department** Adult and Elderly Nursing **Curriculum** พยาบาลศาสตรบัณฑิต (หลักสูตรใหม่ พ.ศ. 2565)

Section 1 General Information

BNE 202	วิทยาศาสตร์สุขภาพสำหรับพยาบาล 4			3	(2-2-5)
	(Health Science for Nursing IV)				
Co-requisite course	-				
Prerequisite course	-				
Semester	1/2025				
Section	01				
Course type	☐ Basic adjustment course				
71	General course				
	Specific Course 1) Basic professio	nal c	ourse		
	☐ Free elective				
Course Coordinator	Assist. Prof. Dr. Sangrawee Maneesri		Former Instructor	П	Invited
course coordinator	Dr. Nuttapol Yuwanich		Former Instructor		Invited
	Aj. Jarutsri Atthayasai	Ξ	Former Instructor		Invited
Course Instructors	Assoc. Prof. Prapawadee Puapairoj		Former Instructor		Invited
codisc instructors	2. Assist. Prof. Dr. Amorntus Sodsai		Former Instructor		Invited
	3. Assist. Prof. Dr. Duangjai Duangrithi	П	Former Instructor		Invited
	4. Assist. Prof. Dr. Tipsuchon Aiamsa-ard		Former Instructor		Invited
	5. Assist. Prof. Dr. Abhiruj Navabhatra		Former Instructor		Invited
	6. Assist. Prof. Dr. Thidarat Phetmanee		Former Instructor		Invited
	7. Assist. Prof. Dr. Preeyaporn Plaimee		Former Instructor		Invited
	Phiboonchaiyanan				
	8. Assist. Prof. Dr. Sukhontha Hasatsri		Former Instructor		Invited
	9. Assist. Prof. Dr. Nalinee Pradabnyat		Former Instructor		nvited
	10. Assist. Prof. Dr. Sangrawee Maneesri		Former Instructor		Invited
	11. Assoc. Prof. Orapin Sikaow		Former Instructor		nvited
	12. Dr. Nuttapol Yuwanich		Former Instructor		Invited
	13. Aj. Jarutsri Atthayasai		Former Instructor	П	Invited

Study place Theory: 4-402 ■ In site □ Out site

Lab: Building 4/2 Room 400-2

Latest update 12 August 2025

Section 2 Course Objectives and Course Components

1. Course Objectives

After completing this course, students will be able to

- 1) Understand pharmacodynamics, toxicity assessment, drug interactions, and excretion principles for safe medication administration.
- 2) Explain medications affecting autonomic, central nervous, cardiovascular, respiratory, gastrointestinal, endocrine, and reproductive systems, plus specialized drugs (chemotherapy, antibiotics, antivirals, immunosuppressants, and vitamins).
- 3) Demonstrate safe medication administration via multiple routes with proper calculations, safety protocols, and patient monitoring in laboratory settings.
- 4) Integrate knowledge and skills for rational drug use, patient education, documentation, and evidence-based medication management.

2. Course Description

หลักการพยาบาลในการบริหารยา กลไกการออกฤทธิ์ พิษและผลข้างเคียง การสะสมและการขับยา ออกจากร่างกาย ปฏิกิริยาระหว่างยาหรือสารอื่น การบริหารยากลุ่มยาออกฤทธิ์ในระบบประสาท อัตโนมัติ ระบบประสาทส่วนกลาง ระบบหัวใจหลอดเลือด ระบบทางเดินหายใจ ระบบทางเดินอาหาร ระบบต่อมไร้ท่อ และระบบสืบพันธ์ ยาต้านมะเร็ง ยากดภูมิคุ้มกัน ยาต้านจุลชีพ ยาต้านเชื้อรา ยาต้านไวรัส วิตามินและเกลือแร่ การใช้ยาอย่างสมเหตุผล

Nursing principles in medication administration, pharmacodynamics, toxicity and side effects, drug accumulation and excretion, drug interaction or interaction with other substances; medication administration in drugs affecting the autonomic nervous system, central nervous system, cardiovascular system, respiratory system, gastrointestinal system, endocrine system, and reproductive system; chemotherapy, immunosuppressants, antibiotics, antifungal drugs, antiviral drugs, vitamins and minerals, and rational drug uses.

3. Weekly hours of academic consultation and guidance provided by faculty to students

Classroom tutorial and discussion	Practice in laboratory	Self-study
30 hours	30 hours	5 hours per week

The advisor(s) for the course will be assigned and clearly announced during the course orientation. Course instructors will provide advice to students, both individually and in groups, for at least 2 hours per week via email and Line group.

Advisor Names	Contact Information	Schedule
1. Assoc. Prof. Prapawadee Puapairoj	E-mail: prapawadee.p@rsu.ac.th	On appointment
2. Assist. Prof. Dr. Amorntus Sodsai	E-mail: amorntus@gmail.com	On appointment
3. Assist. Prof. Dr. Duangjai Duangrithi	E-mail: djdr@hotmail.com	On appointment
4. Assist. Prof. Dr. Tipsuchon Aiamsa-ard	E-mail: tipsuchon.c@rsu.ac.th	On appointment
5. Assist. Prof. Dr. Abhiruj Navabhatra	E-mail: abhiruj.c@rsu.ac.th	On appointment
6. Assist. Prof. Dr. Thidarat Phetmanee	E-mail: thidarat.w@rsu.ac.th	On appointment
7. Assist. Prof. Dr. Preeyaporn Plaimee	E-mail: pplaimee@gmail.com	On appointment
Phiboonchaiyanan		
8. Assist. Prof. Dr. Sukhontha Hasatsri	E-mail: sukhontha.h@rsu.ac.th	On appointment
9. Assist. Prof. Dr. Nalinee Pradabnyat	E-mail: nalinee.p@rsu.ac.th.	On appointment
10. Assist. Prof. Dr. Sangrawee Maneesri	E-mail: sangrawee.m@rsu.ac.th	On appointment
11. Assoc. Prof. Orapin Sikaow	E-mail: orapin.si@rsu.ac.th	On appointment
12. Dr. Nuttapol Yuwanich	E-mail: nuttapol.y@rsu.ac.th	On appointment
13. Aj. Jarutsri Atthayasai	E-mail: jarutsri.a@rsu.ac.th	On appointment

4. Course Learning Outcomes (CLOs)

- 1. Explain the knowledge, principles, concepts, and theories in pharmacological foundations and related sciences including pharmacodynamics, drug interactions, toxicity, and system-specific medications.
- 2. Perform nursing practices in laboratory and simulation settings for medication administration through various routes, applying nursing principles and critical thinking processes.
- 3. Demonstrate behaviors of honesty, discipline, respect for regulations, and responsibility in medication administration and patient safety protocols.

4. Demonstrate leadership, teamwork, respect and honor for others in group work and collaborative learning activities.

Section 3 Students' Learning Outcomes Development

The purposes of course development/revision:

Since last year, there hasn't been an intravenous medication administration procedure, a prerequisite for nursing students pursuing basic nursing practice. This year, we've added hours for intravenous drug administration to enhance students' comprehension of the essential principles, treatment prescription, and methods for administering intravenous injections. In addition, laboratory equipment is prepared to be complete and sufficient, and videos on medication administration skills through various routes are prepared in the Learning Resource Center of Nursing (LRCN) system and google classroom for students to review before and after class.

1. Knowledge

PLOs	CLOs	Teaching Methods	Assessment	Assessment Tools
			Methods	
1	1.1 Explain the	- Lecture on	1) Examination	1) Multiple-choice
	knowledge, principles,	pharmacological	3 times (45%)	questions MCQ for:
	concepts, and theories	foundations and		- 1 st exam (15%)
	in pharmacological	related		- 2 nd exam (15%)
	foundations and related	sciences, focusing		- 3 rd exam (15%)
	sciences including	on principles,	2) Lab quiz (10%)	2) MCQ and open-
	pharmacodynamics,	concepts, and		ended questions
	drug interactions,	theories including		with marking
	toxicity, and system-	pharmacodynamics,		scheme for:
	specific medications.	drug interactions,		- Lab quiz 1 (5%)
		toxicity, and system-		- Lab quiz 2 (5%)
		specific medications.		

2. Skills

PLOs	CLOs	Teaching Methods	Assessment	Assessment Tools
			Methods	
2	2.3 Perform nursing	Students are	1) Evaluation of	1) Assessment Form
	practices in laboratory	required to self-	various drug	for Drug
	and simulation settings	study drug	administration	Administration for:
	for medication	administration	routes using	- Lab Exam 1 (10%)
	administration through	methods for all	case-based	- lab Exam 2 (10%)
	various routes, applying	routes from videos	scenarios	- Lab Exam 3 (10%)
	nursing principles and	in the LRCN system,	3 exam (30%).	
	critical thinking	Google Classroom,		
	processes.	and conduct		
		research from		
		reliable sources		
		before attending		
		class. This approach		
		encourages students		
		to be well-prepared,		
		develops their digital		
		literacy skills for		
		information retrieval,		
		and promotes		
		lifelong learning		
		habits.		
		- The instructor		
		demonstrates		
		various drug		
		administration		
		routes, followed by		
		student return		
		demonstrations.		

3. Ethics

PLOs	CLOs	Teaching Methods	Assessment	Assessment Tools
			Methods	
8	3.1 Demonstrate	- Embed content	- Observe ethical	- Ethical Behavior
	behaviors of honesty,	regarding honesty,	behavior during	Observation
	discipline, respect for	discipline, respect	class attendance	Form for Class
	regulations, and	for regulations, and	and examination	Attendance and
	responsibility in	responsibility in	administration	Drug Administration
	medication	medication	(5%).	(5%)
	administration and	administration and		
	patient safety	patient safety		
	protocols.	protocols across all		
		laboratory topics.		

4. Characteristics

PLOs	CLOs	Teaching Methods	Assessment	Assessment Tools
			Methods	
6	4.1 Demonstrate	- Group assignment	- Observe	- Teamwork and
	leadership, teamwork,	for finding solutions	teamwork	Report Assessment
	respect and honor for	to rational drug	behavior and	Form (10%)
	others in group work	usage problems to	report (10%).	
	and collaborative	foster teamwork		
	learning activities.	skills, encourage		
		collaborative		
		learning, and		
		develop		
		interpersonal		
		communication		
		abilities essential for		
		healthcare		
		professionals.		

Section 4 Lesson Plan and Evaluation

1. Lesson plans

Theory Sessions: Tuesdays 9.00-11.00 AM, Room 402, Building 4 (with BNS Sec 02 students)

Laboratory Sessions: Tuesdays 1.00-4.00 PM, Room 400-2, Building 4/2

Week/Date	Time	Topics	Numbe hour		Learning and	Instructor
		·	Theory	Lab	teaching activities	
1	9.30-11.30 a.m.	Chapter 1: Fundamental Principles of	2		- Lecture	- Assist. Prof. Dr. Thidarat Phetmanee
19 Aug 2025		Pharmacology				
		1.1 Pharmacokinetics				
		1.2 Pharmacodynamics				
		1.3 Pharmacotherapeutics				
2	8.30-10.30 a.m.	Chapter 2: Drugs acting on body systems	2		- Lecture	- Assist. Prof. Dr. Thidarat Phetmanee
26 Aug 2025		2.1 Drugs acting on gastrointestinal tract				
	1.00-4.00 p.m.	Orientation		3	- Demonstration	- Assist. Prof. Dr. Sangrawee Maneesri
		Lab 1: Type of drugs, dosage form proper drug storage			- Quiz	- Dr. Nuttapol Yuwanich
					- Group work and	- Aj. Jarutsri Atthayasai
					Presentation	
3	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems	2		- Lecture	Assist. Prof. Dr. Nalinee Pradabnyat
2 Sep 2025		2.2 Drugs acting on autonomic nervous system				
	1.00-4.00 p.m.	Lab 2: Searching medication information and		3	- Demonstration	- Assist. Prof. Dr. Sangrawee Maneesri
		prevention of medication error			- Return-demonstration	- Dr. Nuttapol Yuwanich
						- Aj. Jarutsri Atthayasai

Week/Date	Time	Topics	Number of hours																																Learning and	Instructor	
			Theory	Lab	teaching activities																																
4	9.00-10.00 a.m.	Chapter 2: Drugs acting on body systems																																			
9 Sep 2025		2.2 Drugs acting on autonomic nervous system	1		- Lecture	Assist. Prof. Dr. Nalinee Pradabnyat																															
		(Cont.)																																			
	10.00-11.00 a.m.	Chapter 3: Professional Nursing Roles in Drug	1			Assoc. Prof. Orapin Sikaow																															
		Administration																																			
		- Safety principles																																			
		- Patient education in drug administration																																			
	1.00-4.00 p.m.	Lab 3: Reading Transcription, verification of the		3	- Demonstration	- Assist. Prof. Dr. Sangrawee Maneesri																															
		prescribed medications, Medication Administration			- Return-demonstration	- Dr. Nuttapol Yuwanich																															
		Record (MAR)			- Case study analysis	- Aj. Jarutsri Atthayasai																															
5	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems	2		- Lecture	Assist. Prof. Dr. Abhiruj Navabhatra																															
16 Sep 2025		2.3 Drugs acting on endocrine system																																			
	1.00-4.00 p.m.	Lab exam 1: Medication Administration Record		3	- Case-based	- Assist. Prof. Dr. Sangrawee Maneesri																															
						- Dr. Nuttapol Yuwanich																															
						- Aj. Jarutsri Atthayasai																															
6	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems	2		- Lecture	- Assoc. Prof. Prapawadee Puapairoj																															
23 Sep 2025		2.4 Drugs Acting on the Central Nervous System																																			
6	1.00-3.00 p.m.	Lab 4: Dosage calculation and educating patients		3	- Demonstration	- Dr. Nuttapol Yuwanich																															
23 Sep 2025		about safety in high alert/high-risk medication use			- Return-demonstration	- Assist. Prof. Dr. Sangrawee Maneesri																															
(Cont.)					- Quiz	- Aj. Jarutsri Atthayasai																															

Week/Date	Time	Topics	Numbe		Learning and	Instructor
	2	. Spids	Theory	Lab	teaching activities	
7	9.00-12.00 a.m.	Chapter 2: Drugs acting on body systems	3		- Lecture	- Assist. Prof. Dr. Amorntus Sodsai
30 Sep 2025		2.5 Drugs acting on cardiovascular system				
	1.00-4.00 p.m.	Lab 5: Medication Administration: Oral,Tropical,		3	- Demonstration	- Dr. Nuttapol Yuwanich
		Inhaler, eyes drop, rectal & vaginal suppository			- Return-demonstration	- Assist. Prof. Dr. Sangrawee Maneesri
						- Aj. Jarutsri Atthayasai
8	9.00-12.00 a.m.	Lab exam 2: Oral,Tropical, Inhaler, eyes drop, rectal &		3	- Case-based	- Dr. Nuttapol Yuwanich
7 Oct 2025		vaginal suppository				- Assist. Prof. Dr. Sangrawee Maneesri
						- Aj. Jarutsri Atthayasai
	1.00-4.00 p.m.	Self-study				
9	8.00-9.00 a.m.	1 st Examination (10 hours)				- Assist. Prof. Dr. Sangrawee Maneesri
14 Oct 2024		- Fundamental Principles of Pharmacology				- Aj. Jarutsri Atthayasai
		- Drugs Acting on the Gastrointestinal System				
		- Drugs Acting on the Autonomic Nervous System				
		- Drugs Acting on the Endocrine System				
		- Professional Nursing Roles in Drug Administration				
10	9.00-10.00 a.m.	Chapter 2: Drugs acting on body systems	1		- Lecture	- Assist. Prof. Dr. Abhiruj Navabhatra
21 Oct 2024		2.6 Blood lipid control drugs				
	1.00-4.00 p.m.	Lab 6: Medication Administration: Intradermal,		3	- Demonstration	- Assist. Prof. Dr. Sangrawee Maneesri
		Subcutaneous, and Intramuscular			- Return-demonstration	- Dr. Nuttapol Yuwanich
						- Aj. Jarutsri Atthayasai

Week/Date	Time	Topics	Number of hours												Learning and teaching activities	Instructor
			Theory	Lab	teaching activities											
11	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems	2			- Assoc. Prof. Prapawadee Puapairoj										
28 Oct 2024	1.00.1.00	2.7 Antimicrobial agents		2	D:	A : 1 D (D (
	1.00-4.00 p.m.	Lab 7: Medication Administration: Intravascular		3	- Demonstration	- Assist. Prof. Dr. Sangrawee Maneesri										
		injection			- Return-demonstration	- Dr. Nuttapol Yuwanich										
						- Aj. Jarutsri Atthayasai										
12	9.00-10.00 a.m.	Chapter 2: Drugs acting on body systems														
4 Nov 2024		2.8 Vitamin and Mineral	1		- Lecture	- Asst. Prof. Dr. Amorntus Sodsai										
	10.00-11.00 a.m.	2.9 Immune suppressive	1													
	1.00-400 p.m.	Self-study														
13	8.00-9.00 a.m.	2 nd Examination (10 hours)				- Dr. Nuttapol Yuwanich										
11 Nov 2025		- Drugs Acting on the Central Nervous System				- Aj. Jarutsri Atthayasai										
		- Cardiovascular System Drugs														
		- Lipid-Lowering Drugs														
		- Antimicrobial Drugs														
		- Vitamins and Minerals														
		- Immunosuppressive Drugs														
13	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems														
11 Nov 2025		2.10 Drugs acting on respiratory system	2		- Lecture	Assist. Prof. Dr. Tipsuchon Aiamsa-ard										
(Cont.)	11.00-12.00 a.m.	2.11 NSAIDs	1													

Week/Date	Time	Topics	Numbe		Learning and	Instructor
			Theory	Lab	teaching activities	
	1.00-4.00 p.m.	Lab exam 3: Intradermal, Subcutaneous, Intramuscular,		3	- Case-based	- Assist. Prof. Dr. Sangrawee Maneesri
		and Intravascular injection				- Dr. Nuttapol Yuwanich
						- Aj. Jarutsri Atthayasai
14	10.00-11.00 a.m.	Chapter 2: Drugs acting on body systems				- Assist. Prof. Dr. Sukhontha Hasatsri
18 Nov 2025		2.12 Drugs acting on hormone	1		- Lecture	
	1.00-3.00 p.m.	2.13 Anti-fungi & Anti-virus	2		- Lecture	- Assoc. Prof. Prapawadee Puapairoj
15 25 Nov 2025	9.00-11.00 a.m.	Chapter 2: Drugs acting on body systems 2.14 Anti-cancer drugs	2			- Assist. Prof. Dr. Preeyaporn Plaimee Phiboonchaiyanan
	1.00-3.00 p.m.	Chapter 4: Principles of Rational Drug Use (RDU)	1			- Assist. Prof. Dr. Duangjai Duangrithi
		Chapter 5: พระราชบัญญัติยา (Drugs Act)	1			
16	10.00-12.00 a.m.	Make a report			- Group work and	
2 Dec 2025					Report	
	1.00-3.00 p.m.	Self-study				
17		3 rd Examination (10 hours)				Assist. Prof. Dr. Sangrawee Maneesri
9 Dec 2025		- Drugs Acting on the Respiratory System				Dr. Nuttapol Yuwanich
		- Drugs Affecting the Hormonal System				
	7.30-9.00 a.m.	- Anticancer Drugs, Antifungal & Antiviral Drugs				
		- NSAIDs (Nonsteroidal Anti-inflammatory Drugs)				
		- Principles of Rational Drug Use				
		- Drug Act				

Week/Date	Time	Topics	Number of hours		Learning and	Instructor
			Theory	Lab	teaching activities	
		Re-examination				
		Course evaluation				
	Total		30	30		

2. Evaluation Plan

Learning Outcomes	Learning Assessment Methods	Assessment Week	Assessment Proportion
1.1	1 st Examination	9,13,17	15%
	2 nd Examination		15%
	3 rd Examination		15%
	Quiz	2,6	10%
2.3	Lab Examination	5,8,13	30%
3.1	Ethical behavior during class	Throughout the	5%
	attendance and examination	semester	
	administration		
4.1	Teamwork behavior and report	2,16	10%

3. Alignment between Course Learning Outcomes (CLOs) and Learning Outcomes

CLOs	1. Knowledge	2. Skills	3. Ethics	4. Characteristics
CLOS	1.1	2.3	3.1	4.1
CLO 1 Explain the knowledge,	√			
principles, concepts, and theories in				
pharmacological foundations and				
related sciences including				
pharmacodynamics, drug				
interactions, toxicity, and system-				
specific medications.				
CLO 2 Perform nursing practices in		\checkmark		
laboratory and simulation settings				
for medication administration				
through various routes, applying				
nursing principles and critical thinking				
processes.				
CLO 3 Demonstrate behaviors of			√	
honesty, discipline, respect for				
regulations, and responsibility in				

CLOs	1. Knowledge	2. Skills	3. Ethics	4. Characteristics
CLOS	1.1	2.3	3.1	4.1
medication administration and				
patient safety protocols.				
CLO 4 Demonstrate leadership,				√
teamwork, respect and honor for				
others in group work and				
collaborative learning activities.				

Section 5 Learning resources

1. Require books

- Katzung, B. G., Kruidering-Hall, M., Tuan, R., Vanderah, T. W., & Trevor, A. J. (Eds.). (2021). Katzung & Trevor's pharmacology: Examination & board review (13th ed.). McGraw Hill.
- Katzung, B. G., & Vanderah, T. W. (Eds.). (2016). *Basic & clinical pharmacology* (15th ed.). McGraw Hill.
- Neal, M. J. (2021). Medical pharmacology at a glance (8th ed.). John Wiley & Sons.
- Rang, H. P., Ritter, J. M., Flower, R. J., & Henderson, G. (2014). *Rang & Dale's pharmacology*. Elsevier Health Sciences UK.
- Baber, P., & Robertson, D. (2015). *Essential pharmacology for nurses* (3rd ed.). Open University Press.

2. Document/website

- สุนทราวดี เธียรพิเชฐ, ศุกร์ใจ เจริญสุข, ทุติยรัตน์ รื่นเริง (2562). คู่มือการจัดการเรียนการสอนการใช้ ยาอย่างสมเหตุผล ในหลักสูตรพยาบาลศาสตรบัณฑิต. Retrieved from https://www.tnmc.or.th/images/userfiles/files/1 %20RDU%202562.pdf
- คู่มือการใช้ยาที่มีความเสี่ยงสูง. (2564). Retrieved from https://www.si.mahidol.ac.th/Th/department/anesthesiology/anesthesia/form/คู่มือการใช้ยาที่มีความเสี่ยงสูง% 20High%20Alert%20Drug%20ปรับปรุง%202564%20HAD 2109.pdf
- National Drug Information. Retrieved from https://ndi.fda.moph.go.th/drug national

Section 6 Course Evaluation and Improvement

1. Strategies for Course Effectiveness Evaluation by Students
✓ Teaching effectiveness evaluation by students
✓ Course evaluation forms
☐ Group discussions between instructors and learners
☐ Reflection from learner behaviors
\square Feedback through online channels that instructors have established as communication
channels with students
Others (specify)
2. Strategies for Learning Management Evaluation
☐ Instructor evaluation forms
✓ Student reflections
☐ Examination results
☐ Learning outcome assessment verification
☐ Evaluation by academic standards supervision committee
✓ Teaching observation by teaching team members
Others (specify)
3. Mechanisms for Learning Management Improvement
✓ Teaching and learning seminars
☐ Classroom and non-classroom research
Others (specify)
4. Process for Verifying Student Learning Outcomes of the Course
\checkmark Establishing a committee within the academic field to examine student learning outcome
assessments by reviewing examinations, reports, scoring methods, and behavioral assessment
scoring
\square Score verification for student work assessment by departmental and faculty committee
members
\square Score verification through random sampling of student work by instructors or other
qualified experts who are not regular curriculum instructors

Others (specify)
5. Review and Planning for Course Effectiveness Improvement
\checkmark Annual course improvement based on recommendations and verification results from
item4
\square Annual course improvement based on student evaluation results of instructors
Others (specify)

Appendix

Grading Criteria

เกรด	5%	10%	15%	100%
Α	4.00-5.00	8.00-10.00	12.00-15.00	80.00-100.00
B+	3.75-3.99	7.50-7.99	11.25-11.99	75.00-79.99
В	3.50-3.74	7.00-7.49	10.50-11.24	70.00-74.99
C+	3.25-3.49	6.50-6.99	9.75-10.49	65.00-69.99
С	3.00-3.24	6.00-6.49	9.00-9.47	60.00-64.99
D+	2.75-2.99	5.50-5.99	8.25-8.99	55.00-59.99
D	2.50-2.74	5.00-5.49	7.50-8.24	50.00-54.99
F	< 2.50	< 5.00	< 7.50	< 50.00

Evaluation Forms

- 1. Assessment Form for Drug Administration (30%)
 - 1.1 Medication Administration Record (10%)
 - 1.2 Oral, Tropical, Inhaler, eyes drop, rectal & vaginal suppository (10%)
 - 1.3 Intradermal, Subcutaneous, Intramuscular injection, & Intravascular injection (10%)
- 2. Ethical Behavior Observation Form for Class Attendance and Drug Administration (5%)
- 3. Teamwork and Report Assessment Form (10%)