



COLLEGE OF NURSING
Carlatan, San Fernando City, La Union

PHILOSOPHY

We believe in student centered approach to education and management.

We believe in achieving a lot with limited resources by knowing what other institutions are doing, adopting or improving and using that can be applied to the College.

We believe that a strong continuing faculty and staff development program in the college is a vital component of the total effort to attain the main goal of the College.

We believe in the stability and strength as a base for achieving quality education, relevant to national means and development of the total person.

We believe above all that giving honor and glory to God in everything we do, is most important in all official activities of the college.

VISION

We envision Lorma Colleges as an educational institution with a global perspective emphasizing quality, Christian values, and leadership skills relevant to national development.

MISSION

To empower students for service anywhere in the world through Christian-inspired, quality-driven, and service-oriented education and training.

INSTITUTIONAL GRADUATE ATTRIBUTES	INSTITUTIONAL OUTCOMES	
GOD FEARING	LO1	Internalize the Christian values
	LO2	Model the Christian values in their personal and professional lives.
DECISION MAKER, CRITICAL AND CREATIVE THINKER	LO3	Generate ideas and insights utilizing appropriate judgment in decision making.
	LO4	Utilize higher order thinking skills in decision making towards innovation and creating new technologies
	LO5	Apply innovative methods and new technologies to solve different problems and making decisions effectively
EFFECTIVE COMMUNICATOR	LO6	Communicate effectively ideas or knowledge through listening, speaking, reading, writing using culturally appropriate language.
SERVICE-DRIVEN CITIZEN	LO7	Imbibe the service-orientedness to oneself, to oneself, to one's profession and towards the community.
REFLECTIVE LIFE LONG LEARNER	LO8	Commitment to continuously upgrade one's education through readings, seminars and trainings
COMPETENT PROFESSIONAL	LO9	Perform exceptional knowledge, skills and right attitude in accomplishing duties and responsibilities beyond acceptable standards.

NURSING PROGRAM OUTCOMES		INSTITUTIONAL OUTCOMES	VISION	MISSION	PHILOSOPHY
After 4 years, the Lorma graduate will:					
1	Execute professional and social competence in the fields of specialization in accordance to national and international standards. More specifically, the Lorma graduate will be able to:				
	1.1 apply knowledge of physical, social, natural and health sciences and humanities in the practice of nursing;	IO1; IO9	✓	✓	✓
	1.2 provide safe, appropriate, and holistic care to individuals, families, population group and community utilizing nursing process;	IO3; IO4; IO7; IO9	✓	✓	✓
	1.3 apply guidelines and principles of evidence-based practice in the delivery of care;	IO5; IO8; IO9	✓	✓	✓
	1.4 communicate effectively in speaking writing and presenting using culturally appropriate language;	IO6	✓	✓	✓
	1.5 document to include reporting up-to-date client care accurately and comprehensively;	IO9	✓	✓	✓
	1.6 work effectively in collaboration with inter, intra, and multi-disciplinary and multi-cultural teams;	IO5; IO9	✓	✓	✓
	1.7 practice beginning management and leadership skills in the delivery of client care using a systems approach;	IO5	✓	✓	✓
	1.8 conduct research with an experienced researcher; and	IO5; IO9	✓	✓	✓
	1.9 apply techno-intelligent care systems and processes in health care delivery.	IO4; IO5; IO9	✓	✓	✓
2	Develop high level of comprehension for decision-making and critical thinking through continuous educational advancement necessary to personal and professional empowerment. In particular, the Lorma graduate will be able to:				

	2.1 engage in lifelong learning with a passion to keep current with national and global developments in general, and nursing and health developments in particular; and	IO3; IO4; IO8	✓	✓	✓
	2.2 apply entrepreneurial skills in the delivery of nursing care.	IO4; IO5	✓	✓	✓
3	Exemplify Cristian values, legal, and ethico-moral principles in serving individual clientele in various cross-cultural settings. Purposely, the Lorma graduate will be able to:				
	3.1 practice nursing in accordance with existing laws, legal, ethical, and moral principles;	IO1; IO2	✓	✓	✓
	3.2 demonstrate responsible citizenship and pride of being a Lorma graduate; and	IO2	✓	✓	✓
	3.3 adopt the nursing core values in the practice of the profession.	IO1; IO2; IO9	✓	✓	✓

COURSE SYLLABUS

1. **COURSE CODE** : NCM 106
2. **COURSE TITLE** : PHARMACOLOGY
3. **PRE – REQUISITE** : NCM 101, NCM 102, NCM 103
4. **CO – REQUISITE** : N/A
5. **COURSE CREDIT** : Theory: 3 Units
6. **CONTACT HOURS/SEMESTER** : 54 Lecture Hours
3 Hours per Week
7. **COURSE DESCRIPTION** : This course deals with pharmacodynamics, pharmacokinetics, clinical/ therapeutic uses of drugs in health promotion, disease prevention, restoration and maintenance, and rehabilitation of clients across the lifespan utilizing the nursing process. Emphasis is given on the nursing responsibilities related to safe drug administration through medication monitoring and client education. It also includes complementary and alternative therapies. The learners are expected to develop beginning skills in the safe administration of medication.

8. LEVEL OUTCOMES AND RELATIONSHIP TO PROGRAM OUTCOMES

LEVEL 2 OUTCOMES		NURSING PROGRAM OUTCOMES		
At the end of the 2nd year, given a normal and at risk mother, child, and family in any health setting, as well as , the community as client with moderate supervision, the students demonstrate:		1	2	3
1	Apply knowledge of principles and concepts of relevant sciences in maternal and child nursing and community health nursing	✓	✓	✓
2	Utilize the nursing process in providing safe, humane, appropriate, and holistic care to clients		✓	✓
3	Demonstrate skills in actual delivery and newborn care		✓	✓

12	Adopt the nursing core values in the practice of the profession as applied in safe medication administration.	D	D	D	D	D	D	D	D	D
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- **Legend:** I – Introduced; P – Perform with supervision; D – Demonstrated

8. COURSE COVERAGE

Week	Day	CLASSROOM Topics	Learning Resources	Teaching-Learning Activities	Assessment Tasks	Course Outcomes
				Flexon Learning (Lorma Online Learning System) Synchronous Session = 1 hour/week (LEC) Asynchronous Session = 2 hours /week (LEC)		
1	1,2,3	Re-orientation to the school policies, rules, and regulations	Student Handbook and other school mandates. pg. 8-20	Lecture-Discussion	Open Forum	CO1
		UNIT I: Introduction to Nursing Pharmacology A. Definition of Pharmacology B. History of Pharmacology C. Drug Definitions and Classifications D. Drug Forms E. Drug Standards F. Drug Information	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012 http://ebookey.org/	Picture Making Lecture-Discussion	Presentation Testmoz Exam	CO2; CO3; CO4; CO5; CO6; CO7
2	1,2,3	Pharmacodynamics 1. Therapeutic Index and Drug Safety 2. Graded dose Response Relationship and Therapeutic Response 3. Potency and Efficacy 4. Cellular Receptors and Drug Action 5. Types of Drug Receptor Interactions	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012 http://ebookey.org/ www.carteret.edu/keoughp/lfreshwater/.../Principles%20of%20Drug%20A	Phillips 66 Lecture-Discussion	Group Presentation Online quiz via Testmoz	CO2; CO3; CO4; CO5; CO6; CO7

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3	1, 2, 3	E. Pharmacokinetics (LADME) 1. Liberation 2. Absorption 3. Distribution 4. Metabolism (Biotransformation) 5. Excretion	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture Discussion The Drug Comics	Online quiz via Testmoz Presentation	CO2; CO3; CO4; CO5; CO6; CO7
4	1, 2, 3	F. Factors Influencing Responses to Drugs G. Drug Legislation Controlled Substances, Generic Drugs, Orphan Drugs and Over the Counter Drugs Unit II: Nursing Process in Pharmacology A. Assessment 1. Drug History B. Planning C. Intervention 1. Drug Administration 2. Medication Orders	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Case Study Experience Discussion	Case Analysis Recitation	CO2; CO3; CO4; CO5; CO6; CO7
5	1, 2, 3	3. Medication Safety 4. 14 Rights 5. Dosage Calculation • Adult • Pedia	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion Jigsaw Technique	Online quiz via Testmoz Group presentation	CO2; CO3; CO4; CO5; CO6; CO7
6	1, 2	D. Client Education E. Evaluation F. Recording and Reporting	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.	Classroom Discussion Philips 66	Online quiz via Testmoz Reflective Journal	

			Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012			
PRELIMINARY EXAMINATION						
7	1, 2, 3	UNIT III: Drugs Affecting Different Systems of the Body a. Drugs Acting on the Cardiovascular system <ul style="list-style-type: none"> • Antihypertensive Agents • Cardiotonic Agents • Antianginal Agents 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion	Online quiz via Testmoz	CO2; CO3; CO4; CO5; CO6; CO7
8	1, 2, 3	<ul style="list-style-type: none"> • Anti- arrhythmic Agents • Lipid Lowering Agents • Drugs Affecting Blood Coagulation • Drugs used to treat Anemia 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Video Making Lecture-Discussion	Video Presentation Tetsmoz Exam	CO2; CO3; CO4; CO5; CO6; CO7
9	1, 2, 3	b. Drugs Acting on the CNS and PNS <ul style="list-style-type: none"> • Anxiolytic and Hypnotic Agents • Antidepressant Agents • Psychotherapeutic 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion Debate Discussion	Online quiz via Testmoz Rubrics for Debate Discussion	CO2; CO3; CO4; CO5; CO6; CO7
10	1, 2, 3	<ul style="list-style-type: none"> • Antiepileptic Agents • Muscle relaxants • Antiparkinsonism • Narcotics and Anti-migraine • General and Local anesthesia 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston,	Flipped Video	Recitation	CO2; CO3; CO4; CO5; CO6; CO7

			Pharmacology : A Nursing Process Approach, 7 th Ed., 2012			
11	1, 2, 3	c. Drugs Acting on the ANS <ul style="list-style-type: none"> • Adrenergic Agents • Adrenergic blocking Agents • Cholinergic Agents • Cholinergic Blocking Agents 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion	Online quiz via Testmoz	CO2; CO3; CO4; CO5; CO6; CO7
12	1, 2	d. Drugs acting on the Endocrine System <ul style="list-style-type: none"> • Hypothalamic and Pituitary Agents • Adrenocortical Agents • Antidiabetic Agents • Thyroid and parathyroid Agents 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion	Online quiz via Testmoz	CO2; CO3; CO4; CO5; CO6; CO7
MIDTERM EXAMINATION						
13	1, 2, 3	e. Drugs to Control Infection <ul style="list-style-type: none"> • Anti-inflammatory • Anti- infective • Antibiotics • Antiviral • Antifungal • Antiprotozoal • Antihelmenthic 	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Lecture-Discussion	Online quiz via Testmoz	CO4; CO5; CO6; CO7; CO8; CO9; CO10
14	1, 2, 3	f. Drugs Acting on Renal System <ul style="list-style-type: none"> • Diuretics g. Drugs Acting on Reproductive System h. Drugs Acting on GIT i. Drugs Acting on Respiratory System	Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7 th Ed., 2012	Concept Mapping	Group Presentation	CO4; CO5; CO6; CO7; CO8

		<ul style="list-style-type: none"> Bronchodilators 				
15	1, 2, 3	<ul style="list-style-type: none"> Expectorant Antitussive <p>j. Other Drugs</p> <ol style="list-style-type: none"> Chemotherapeutic Agents Drugs for Eye and Ear Disorders Drugs Acting on the Immune System 	<p>Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.</p> <p>Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7th Ed., 2012</p>	Gallery Walk	Oral Presentation	CO2; CO6; CO7; CO8; CO9
16	1, 2, 3	<ol style="list-style-type: none"> Dietary Supplements Alternative and Complementary therapies <ul style="list-style-type: none"> “Halamang Gamot” <p>UNIT IV: Appropriate Communication Techniques on the Pharmacodynamics/Pharmacokinetics of Specific Drugs prescribed to clients</p> <ul style="list-style-type: none"> Institutional Policies and Guidelines on Safe Drug Administration` 	<p>Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.</p> <p>Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7th Ed., 2012</p>	Role Play	Rubrics for Role Play	CO6; CO7; CO8; CO10; CO11; CO12
17	1, 2, 3	<ul style="list-style-type: none"> Inter-professional Practice Related to Pharmacology Current Trends and Clinical Alerts in Nursing Pharmacology Filipino Culture, Values, and Practice in Relation to Drug Administration 	<p>Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.</p> <p>Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7th Ed., 2012</p>	Lecture-Discussion Case Study	Online quiz via Testmoz Online quiz via Testmoz	CO7; CO8; CO9; CO10; CO11; CO12
18	1, 2	<ul style="list-style-type: none"> New Technologies Related to Drug Administration Internet Information Government Sites Nursing and Health Care Sites 	<p>Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.</p> <p>Kee, Hayes, McCuiston,</p>	Lecture-Discussion Philips 66	Online quiz via Testmoz Reflective Journal	CO7; CO8; CO9; CO10; CO11; CO12

		Nursing Core Values as Applied in Pharmacology	Pharmacology : A Nursing Process Approach, 7 th Ed., 2012			
FINAL EXAMINATION						

9. TEXTBOOKS

1. Karch, A. (2013). Focus on Nursing Pharmacology 6th edition. China. Wolters Kluwer Health, Lippincott Williams & Wilkins.
2. Kee, Hayes, McCuiston, Pharmacology : A Nursing Process Approach, 7th Ed., 2012

10. SUGGESTED READINGS AND REFERENCES

1. Berman, A., Frandsen, G., Berman, Au. (2015) Kozier & Erb's Fundamentals of Nursing Concepts, Process and Practice 10th Edition. Pearson.
2. Boyer, M. (2013) Math for Nurses: A Pocket Guide to Dosage Calculation and Drug Preparation 8th Edition. China. Wolters Kluwer Lippincott Williams and Wilkins.
3. Kee, J., LeFever, H. (2015). Pharmacology: A Patient Centered Nursing Process 8th edition. Canada. Elsevier Saunders.

11. E-BOOKS

1. <http://www.nсна.org/Portals/0/Skins/NSNA/pdf/Pharmacology%20PowerPoint.pdf>
2. <http://nursing.wright.edu/sites/default/files/page/attachements/Pharmacology%20Review.pdf>
3. http://ebookee.org/Understanding-Drug-Issues-A-Nursing-Concern_1166147.html

12. COURSE EVALUATION

COURSE REQUIREMENT (Lecture Component)	Total Weight (%)
A. Term Grade	
1. Class Standing	66.67% (2/3)
• Attendance (5%)	

<p>Note: 1) 6 synchronous classes per term hence a perfect attendance is computed as $6/6 \times 60\% + 40\% \times 5\%$</p> <p>2) For every absence, deduct 1 from the 6 total number attendance every term and go on computation using the abovementioned transmutation.</p> <p>3) Disregarding the minutes, 3 accumulated tardiness is equivalent to 1 day of absence.</p> <p>Recitation and Other Assessment Tasks (15%)</p> <p>Note: 1) 5 points minimum, increment of 1 for every correct answer made by the student (10 points maximum). 2) For other assessment tasks, a standard rubric or pointing system will be followed as agreed upon the nursing faculty.</p> <ul style="list-style-type: none"> • Quizzes (46.67%) <p>Transmutation Formula = $\frac{\text{Total Score}}{\text{Total \# of Items}} \times 60\% + 40\%$</p>	
2. Term Examination	33.33% (1/3)
TOTAL	100%
B. Final Final Grade	
1. Preliminary Grade	30%
2. Midterm Grade	30%
3. Final Grade	40%
TOTAL	100%
<p>NOTE: For professional nursing subjects the final final grade is computed as follows:</p> <ul style="list-style-type: none"> • 80% of the Tentative Final Final Grade (Prelim+Midterm+Final) + 20% of the Comprehensive Exam 	

13. CLASSROOM POLICIES (as per Student Handbook)

A. Professional Decorum (pg. 15)

Student of Lorma Colleges' College of Nursing are expected to behave properly at all times especially if in the school premises. The guidelines are as follows:

1. Courteously knock on every door before entering any room, wait for acknowledgment then introduce self.
2. Maintain a moderate tone voice anywhere especially along the corridors, classrooms and patient's room.
3. Greet patients, relatives, teachers, employees and peers as you meet them.
4. Friendliness is encouraged but always maintains professionalism since too much familiarity may compromise the respect for each other.
5. Confidentiality on patient's information should be observed.
6. Practice and maintain good posture at all times.
7. Students are not allowed to go out of the hospital compound for their snacks/meals.

8. Bringing in prepared foods should only be eaten at the designated places.
9. Allowed time for snacks is 15 minutes and 30 minutes for mealtime in any given shift.
10. Students must observe humility, tactfulness and respect when dealing with others. Always observe the Code of Ethics for Nurses and practice the Golden Rule in everyday life.
11. Students must wear the prescribed uniform at all times with dignity and respect and should be worn only in the school and hospital premises.
12. Students are not allowed to entertain visitors while on duty. Should an emergency occur where an immediate member of the family is involved, permission from the clinical instructor must be sought first and accomplish a hospital visitation form.
13. Gambling, smoking and drinking of alcoholic beverages and drug use are strictly prohibited.
14. In case of emergency, the unit's telephone may be used with permission from the staff and the Clinical Instructor. Otherwise, use of the unit's telephone is not allowed.
15. Promptness at all times, in all occasions and in any setting must be observed.
16. Students must strictly adhere to the hospital/community/school policies, rules and regulations.
17. Students should not loiter around while in school premises. These preceding guidelines professional decorum are not limited to as written. Other guidelines for social norms and general behavior are written in the Lorma Colleges' Student Handbook and must strictly observe.

B. Classroom (pg. 16)

1. The students are required to wear the prescribed college uniform in the given day.
 - Monday/Thursday – institutional uniform with blue slacks
 - Tuesday/Friday – clinical uniform (without apron for females) with black shoes
 - Wednesday/Saturday – clinical uniform (without apron for females) with black shoes
2. The students should strictly comply with the policies stated above, in terms of punctuality, attendance, compliance to the requirements, etc.
3. Every semester, there are three major examinations, namely Prelims, Midterms and Final Examinations.
4. Any forms of misconduct like cheating, behaviors, etc. will be subjected to disciplinary action.

NOTE: Students are advised to read the student handbook from pages 8 – 20. Any amendments to the student handbook and/or new issued policies, rules and regulations the administration and the college deemed necessary, shall be applied automatically to the student/s currently enrolled in the college.

14. CONSULTATION HOURS

Name of Instructor	Day	Time
Godofredo M. Manzano		
Allen Joshua Dominguez	MTW	8:30-9:30 9:30-10:30 12:30-1:30

Course Title	Date Effective	Date Revised	Prepared by	Reviewed by	Noted by	Recommending Approval	Approved by
Pharmacology	1 st Semester, SY 2021 – 2022	August 2021	Marisol Jane T. Jomaya, MAN Allen Dominguez, MAN Godofredo Manzano, MAN	Marisol Jane T. Jomaya, MAN Chairman, OBE Committee	Ma. Lourdes G. Inaldo, MAN Level II Head	Marites C. Pagdilao, MAN, MPA Dean, College of Nursing	Pacita G. Apilado, Ed.D. Executive Director for Academics