



SAINT LOUIS UNIVERSITY  
MADRID

**NURS 3330 - Pharmacotherapeutics for Nursing Care**  
Spring 2018

**Class Days and Time:** Group 1: MW, 10.00-11.15 and Group 2: MW; 12.00-13.15

**Classroom:** Group 1: SIH-C; Group 2: PRH 5

**Prerequisite(s):** Anat-100, Chem-1530 to 1640 (one course), PPY-2540 and NURS- 2430, as well as the following NURS courses, which may be taken concurrently: 2500, 2520, 3600 and 3700.

**Credit(s):** 3

**Instructor:** Dr Anya M Hillery, PhD, BSc (Pharm)

**Instructor's Email:** anya.hillery@slu.edu

**Instructor's Campus Phone:** 91 554 58 58, ext. 216

**Office:** PAH top floor

**Office Hours:** Monday 13.15-14.15 and 15.45-16.45. Wednesday 13.15-14.15. Also by appointment.

**Course Description:**

This course develops the student's knowledge of the nurse's role and responsibilities in drug therapy, based on the application of concepts from nursing and pharmacology. Legal, ethical, and life span considerations will be presented as they apply to the nurse's role in drug therapy. The student will have the opportunity to study groups of drugs using a structured, systematic approach that includes general principles of drug activity, major actions, therapeutic effects, and adverse reactions. The student will learn to apply the nursing process to the care of the patient receiving drugs in a variety of clinical situations.

**Course Objectives:**

At the end of this course the student will be able to:

1. Identify the scope of pharmacology in nursing practice.
2. Classify drugs into major groups according to physiologic action and primary clinical use.
3. Understand the basic pharmacology of drugs and their clinical applications to practice safe and effective nursing care
4. Discuss principles of pharmaceuticals, pharmacokinetics, and pharmacodynamics as they apply to various drugs and/or drug classifications.
5. Describe the basis of nursing assessment and diagnosis in the care of clients receiving various categories of drugs.
6. Identify nursing interventions which maximize therapeutic effectiveness and minimize adverse reactions associated with drug therapy.
7. Identify variations in drug activity, use, and nursing interventions for drug therapy across the life span.
8. Discuss ethical and legal principles applicable to nursing care for patients receiving medications.

Saint Louis University - Madrid Campus is committed to excellent and innovative educational practices. In order to maintain quality academic offerings and to conform to relevant accreditation requirements, the Campus regularly assesses its teaching, services, and programs for evidence of student learning outcomes achievement. For this purpose anonymized representative examples of student work from all courses and programs is kept on file, such as assignments, papers, exams, portfolios, and results from student surveys, focus groups, and reflective exercises. *Thus, copies of student work for this course, including written assignments, in-class exercises, and exams may be kept on file for institutional research, assessment and accreditation purposes.* If students prefer that Saint Louis University - Madrid Campus does not keep their work on file, they need to communicate their decision in writing to the professor.

**Required Texts and Materials:**

Lehne's Pharmacology for Nursing Care, 9<sup>th</sup> Edition; Burchum & Rosenthal. Elsevier.

The course textbook has an accompanying on-line student support site. Students are required to register on-line and use the student resources for this course. Enroll on-line using the following steps:

1. Go to <http://evolve.elsevier.com/>
2. Click on Evolve Resources
3. Type in "Lehne" and select the 8<sup>th</sup> Edition
4. Select "Working on your Own" and then "Register for this now" (an orange tab)
5. Next screen, select "Redeem/Checkout" (another orange tab)
6. Create a new profile, filling in the required fields. Note: choose Spain for country and please supply your SLU email address.
7. Click the "User Agreement"
8. You are now enrolled. You will receive an email, confirming your enrolment. Please print this out and put it in your folder.

Once you have enrolled, you can access NCLEX exam-type questions. Once the course comments, you will be given a list of chapters that you must complete on-line.

To access the questions, use the following steps:

1. In evolve, click on the book icon and it brings up all the chapters.
2. Click on the chapter you want, then click on the folder "Student Resources"
3. Click on "Prepare for Exams"
4. Do the NCLEX quiz. You will be given feedback on your answers.
5. Print out the quiz and keep it in a dedicated folder.

You will also be given homework assignments throughout the course – your answers should also be stored in the folder. Folders will be assessed and form part of your final grade.

As well as the course textbook, the following books are recommended:

- *Mini Vademecum Internacional*. Madrid: Medicom, S.A.
- Mosbys Nursing Drug Reference 2013; Lynda Skidmore Roth
- Handbook of Nursing Diagnosis 14th Edition, Lynda Juall Carpenito
- British National Formulary, Pharmaceutical Press
- Drug Delivery and Targeting for Pharmacists and Pharmaceutical Scientists, Hillery AM et al. (Taylor & Francis)

Extensive use of the SLU Global Learning System will be employed. All lectures will be posted there and it should be checked daily for announcements.

**Attendance Policy:**

Attendance is required at all lectures. Absence from class must be accounted for. More than four unaccountable absences will result in a drop in the final grade. Continual lateness to class is disruptive and not acceptable.

**Course Requirements and Grading Rationale/System:**

All cell phones must be turned off or to vibrate during class times.

**Testing** – There are three exams for this course: two mid-terms and a final. The exams are NOT cumulative, thus the first mid-term will examine the material covered up to this exam. The second mid-term will examine the material covered *after* the first mid-term and the final exam will examine the material covered *after* the second mid-term.

However, there is also a comprehensive final exam that examines **all** of the course material. This exam is obligatory for students who fail or miss either mid-term exam. It is voluntary for any students who, having done their mid-terms, would like to try and improve their grade (but a poor result may obviously reduce the grade).

Scheduled test dates will be strictly adhered to. Students who are ill and present a valid health care practitioner's statement attesting to that illness, may reschedule the test without penalty. Make-up tests must be scheduled at the earliest possible opportunity. Travel is NOT a reason to reschedule a test.

There will also be two **Quizzes**, taken in class, just before the two mid-terms. The aim of these quizzes is to encourage study and revision for the mid-terms. The score on these quizzes does not count towards the final grade.

Important Dates:

- First Quiz: Wednesday 7 February
- First Mid-Term: Wednesday 14 February
- Second Quiz: Monday 12 March
- Second Mid-Term: Wednesday 14 March
- Final Exam: Wednesday 9 May (12.00-15.00)

The final grade is calculated as follows:

First mid-term: 32%

Second mid-term: 32%

Final exam: 32%

Folders 2%

Participation in Health Science activities (Atlas Week, etc.): 2%

Throughout the term, various health science activities will be taking place, both on- and off- campus. Such activities include Atlas Week, and various specialist lectures. Your attendance and participation in such activities is expected and counts towards your final grade. Further details will be announced in class during the term.

**Grading Scale-** Students must have a **77%** average in this course in order to advance in the nursing sequence.

A	93-100%
A-	91-92%
B+	89-90%
B	85-88%
B-	83-84%
C+	80-82%
C	77-79%
C-	75-76%
D	70-74%
F	69 and below

**E-mail:**

Campus and course announcements will often be handled by e-mail. Students should check their "@slu.edu" e-mail regularly.

**University Statement on Academic Integrity:**

Academic integrity is honest, truthful and responsible conduct in all academic endeavors. The mission of Saint Louis University is "the pursuit of truth for the greater glory of God and for the service of humanity." Accordingly, all acts of falsehood demean and compromise the corporate endeavors of teaching, research, health care and community service via which SLU embodies its mission. The University strives to prepare students for lives of personal and professional integrity, and therefore regards all breaches of academic integrity as matters of serious concern.

The governing University-level Academic Integrity Policy can be accessed on the Provost's Office [website](#). Additionally, SLU-Madrid has posted its academic integrity policy online: <http://www.slu.edu/madrid/academics>. As a member of the University community, you are expected to know and abide by these policies, which detail definitions of violations, processes for reporting violations, sanctions and appeals.

The professor will review these matters during the first weeks of the term. Please direct questions about any facet of academic integrity to your faculty, the chair of the department of your academic program, or the Academic Dean of the Madrid Campus.

**University Title IX Statement:**

Saint Louis University and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the University. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU's Title IX deputy coordinator, Marta Maruri, whose office is located on the ground floor of Padre Rubio Hall, Avenida del Valle, 28 (mmaruri@slu.edu; 915-54-5858, ext. 213) and share the basic fact of your experience with her. The Title IX deputy coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus.

If you wish to speak with a confidential source, you may contact the counselors at the SLU-Madrid's Counseling Services on the third floor of San Ignacio Hall (counselingcenter-madrid@slu.edu; 915-54-5858, ext. 230) or Sinews Multiplettherapy Institute, the off-campus provider of counseling services for SLU-Madrid (www.sinews.es; 917-00-1979). To view SLU-Madrid's sexual misconduct policy and for resources, please visit the following web address: <http://www.slu.edu/Documents/Madrid/campus-life/SLUMadridSexualMisconductPolicy.pdf>.

**Students with Special Needs:**

In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.

University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Academic Dean's Office (San Ignacio Hall) or by going to <https://www.slu.edu/madrid/academics/student-resources>.

Students with a documented disability who wish to request academic accommodations must contact Disability Services to discuss accommodation requests and eligibility requirements. Once successfully registered, the student also must notify the course instructor that they wish to access accommodations in the course. Please contact Disability Services at disabilityservices-madrid@slu.edu or +915 54 58 58, ext. 230 for an appointment. Confidentiality will be observed in all inquiries. Once approved, information about the student's eligibility for academic accommodations will be shared with course instructors via email from Disability Services. For more information about academic accommodations, see "Student Resources" on the SLU-Madrid webpage.

Note: Students who do not have a documented disability but who think they may have one are encouraged to contact Disability Services.

**Course Overview:**

Part 1: An Introduction to Pharmacology in Nursing Practice

Part 2: The Respiratory System

Part 3: Drugs for Pain and Inflammation

Part 4: Psychotherapeutics

Part 5: Anticonvulsants and Drugs for Neurological & Neuro-degenerative disorders

Part 6: Drugs for the Cardiovascular and Haematological System

Part 7: Drugs for Infectious and Parasitic Diseases

Part 8: Drugs for the Gastrointestinal System

Part 9: Drugs for Endocrine Disorders

Part 10: Cancer chemotherapy

## Spring 2018 Course Schedule:

<b>JANUARY</b>	
Wednesday 10	Introduction to Pharmacology for Nursing Practice
Monday 15	Basic Principals of Pharmacology
Wednesday 17	Lifespan Variations
Monday 22	An Introduction to the Autonomic Nervous System
Wednesday 24	Respiratory System: Anti-asthmatics
Monday 29	Respiratory System: Drugs for common respiratory conditions
Wednesday 31	Drugs for Pain and Inflammation: Opioid Analgesics
<b>FEBRUARY</b>	
Monday 5	Drugs for Pain and Inflammation: Other Drugs for Pain and Inflammation
Wednesday 7	Psychotherapeutics: Anxiolytics and Sedative Hypnotics <b>Quiz 1</b>
Monday 12	Psychotherapeutics: Antidepressants and Anti-mania; Anti-psychotics
Wednesday 14	<b>MID-TERM 1</b> (ASH WEDNESDAY)
Monday 19	Psychotherapeutics: Drugs for ADHD Anti-convulsants
Wednesday 21	Drugs for Parkinson's Disease Drugs for Alzheimer's Disease
Monday 26	CV Disease: Introduction and Anti-Hypertensives
Wednesday 28	Anti-hypertensives ctd. Anti-anginals
<b>MARCH</b>	
Monday 5	Drugs to treat heart failure
Wednesday 7	Antilipemics <a href="#">50<sup>th</sup> Anniversary Celebration of SLU Madrid</a>
Monday 12	<b>Quiz 2</b>
Wednesday 14	<b>MID-TERM 2</b>
Monday 19	Anticoagulant, Antiplatelet and Thrombolytic drugs
Wednesday 21	Anticoagulant, Antiplatelet and Thrombolytic drugs
Monday 26	<i>Semana Santa</i> Holiday (Campus Closed)
Tuesday 27	
Wednesday 28	
Thursday 29	<i>Jueves Santo</i> (Campus Closed)
Friday 30	<i>Viernes Santo</i> (Campus Closed)
<b>APRIL</b>	
Monday 2	Anticoagulant, Antiplatelet and Thrombolytic drugs ctd.
Wednesday 4	Chemotherapy of Infectious Diseases
Monday 9	Chemotherapy of Infectious Diseases
Wednesday 11	Chemotherapy of Infectious Diseases Blood Coagulation
Monday 16	Chemotherapy of Infectious Diseases
Wednesday 18	Drugs for the Gastrointestinal System
Monday 23	Drugs for Endocrine Disorders: Diabetes Mellitus, Thyroid Disorders, Pituitary and Adrenal Cortex
Wednesday 25	Drugs for Endocrine Disorders: Women's Health
Monday 30	Cancer Chemotherapy
<b>MAY</b>	
Tuesday 1	<i>Día del Trabajador</i> (Campus Closed)
Wednesday 2	<i>Día de la Comunidad</i> (Campus Closed)
Wednesday 9	<b>FINAL EXAM 12.00-15.00</b>
Friday 11	University Housing Move-out Date

Sunday 13	Professors' deadline to submit spring 2018 final grades

**Final Exam Schedules Spring 2018**

	<b>4 May (Fr)</b>	<b>7 May (Mn)</b>	<b>8 May (Tu)</b>	<b>9 May (Wd)</b>	<b>10 May (Th)</b>
<b>08:30-11:30</b>	Mn classes that meet at 9:00 & 9:30	Mn classes that meet at 10:00	Mn classes that meet at 11:00 & 11:30	Tu classes that meet at 9:30	Tu classes that meet at 8:00
<b>12:00-15:00</b>	Tu classes that meet at 11:00	Mn classes that meet at 13:00	Tu classes that meet at 14:30	Mn classes that meet at 12:00 & 12:30	Tu classes that meet at 12:30
<b>15:30-18:30</b>	Mn classes that meet at 14:30	Tu classes that meet at 17:00 & 17:30	Mn classes that meet at 16:00	Tu classes that meet at 16:00	Mn classes that meet at 17:30
<b>19:00-22:00</b>	---	---	Mn classes that meet at 18:30 & 19:00	Tu classes that meet at 19:00	---