



School of Nursing
NSG270 - Pharmacology of Nursing
2 semester units

Spring 2015

Meeting days: Every Friday	Instructor name, rank, credentials:
Meeting times: Section 1 - 0725 to 0920 Section 2 - 0725 to 0920 Section 3 - 1100 to 1250	Cell-Phone: Office Phone:
Meeting location: TBA	E-mail:
Placement: Sophomore Nursing Student	Office location and hours:
Final Exam: Monday, May 5: time/location TBA	Additional info: Taken concurrently with Nursing 260

PLNU Mission
To Teach ~ To Shape ~ To Send

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

SON Vision Statement

The School of Nursing at Point Loma Nazarene University embraces, as a covenant, the commitment to excellence within a dynamic Christian environment in which each one will engage in the sacred work of nursing. This sacred work involves symbolically removing one's shoes in service of others.

Take off your sandals for the place you are standing is holy ground. Exodus 3:5 NIV

SON Mission Statement

The School of Nursing at Point Loma Nazarene University exists to support the university Wesleyan mission and to provide an interdisciplinary learning program of excellence. Graduates of the SON are distinctly identified by grace, truth and holiness, serving others after the example of Christ, as they are sent to fulfill their calling as professional nurses.

So He got up from the meal, took off His outer clothing, and wrapped a towel around His waist. After that, He poured water into a basin and began to wash His disciple's feet, drying them with a towel that was wrapped around Him. John 13: 4-5 NIV

Now that I, your Lord and Teacher, have washed your feet, you also should wash one another's feet. I have set you an example that you should do as I have done for you. John 13: 14-15 NIV

Faculty reserves the right to make necessary schedule changes to this syllabus as the semester progresses.

Every attempt will be made to minimize the inconvenience to the student in the event of a change to the syllabus. Students will be notified of changes via eclass announcement section, with accompanying email notification, in a timely manner.

COURSE DESCRIPTION

Comprehensive examination of basic theoretical foundations of drug therapy by exploring the pharmacodynamics of commonly used drugs along with nursing implications and interventions necessary for safe therapy.

Note: A minimum grade of "C" must be achieved in all co-requisite courses in order to progress in the program.

PROGRAM VALUES & COURSE LEARNING OUTCOMES

Upon completion of NSG 270 the student will meet the following outcomes:

Inquiring faithfully: The student will demonstrate knowledge, skill and behavior of the evidence-based practice of nursing which integrates growth in reasoning, analysis, decision-making and the application of theory with the goal of advocating for others and/or self. This includes holistic nursing skills in the nursing process

1. Describes key information that must be considered to ensure safe therapeutic drug administration.
2. Applies core principals of safe-medication administration practice to ensure positive outcomes.
3. Differentiates rationales for medication administration as they relates to specific disease/health states
4. Verbalizes evidence-based methods of monitoring for and intervening with various patient responses related to medication administration.
5. Describes methods for minimizing and treating potential side effects/adverse effects of medications
6. Modifies medication administration practices to accommodate developmental, spiritual and environmental differences among patients
7. Reflects on role of the nurse in safe administration of medications

Caring Faithfully:

The student will embrace a calling to the ministry of compassionate care for all people in response to God's grace, which aims to foster optimal health and bring comfort in suffering and death.

1. Describes principles of advocacy for all patients in relation to medication management
2. Verbalizes the nurse's role regarding medication management within the healthcare system or community
3. Examines the role of the professional nurse in safe, ethical medication administration

Following Faithfully:

Defined as claiming the challenge from Florence Nightingale that nursing is a "divine imposed duty of ordinary work". The nursing student will integrate the ordinary work by complying with and adhering to regulatory and professional standards (e.g. ANA Code of Ethics, the California Board of Registered Nursing, Scope of Nursing Practice, SON Handbook) This includes taking responsibility, being accountable for all actions and treating others with respect and dignity.

1. Discusses the role of the professional nurse in medication administration and management in the healthcare setting.
2. Verbalizes awareness of personal and professional ethics related to safe and responsible medication administration.
3. Acknowledges responsibility for personal and professional growth to continuously learn and grow in knowledge of medication management

Leading Faithfully:

The student will incorporate a foundational relationship with Christ and others and embrace a willingness to serve others in the midst of life circumstances (e.g. illness, injustice, poverty). The student will role-model the need for “Sabbath Rest” as a means of personal renewal, and true care of the self, so that service to others is optimally achieved. The student will incorporate the characteristics of a servant leader including; humility, courage, forgiveness, discernment.

1. Applies developmentally appropriate learning theories when planning patient education regarding drug therapy.
2. Reflects upon self-care needs both physical and spiritual as a basis for being able to meet patient needs.
3. Plans medication administration practices that respect diversity and difference among patients and families.

Communicating Faithfully:

The student will actively engage in the dynamic, interactive process that is intrapersonal and interpersonal with the goal of advocating for others and/or self. This includes effective, culturally appropriate communication which conveys information, thoughts, actions and feelings through the use of verbal and non-verbal skills.

1. Describes interprofessional communication practices among healthcare personnel
2. Uses appropriate terminology in oral and written communication
3. Discusses medications using correct pronunciation
4. Demonstrates documentation of medication administration and outcomes of drug therapy
5. Identifies appropriate abbreviations (JCAHO) used to safely document medication dosages and instructions.
6. Develops developmentally-appropriate teaching information to enhance patient understanding of medication use
7. Uses creative approaches to convey important information regarding medication use to patients.
8. Calculates correct dosages of medication based on individual patient characteristics (weight, age, etc).
9. Verbalizes safety concerns to appropriate medical personnel in a timely manner
10. Uses culturally appropriate communication (e.g. education, discharge planning) with patients and families

COURSE CREDIT HOUR INFORMATION

In the interest of providing sufficient time to accomplish the stated Course Learning Outcomes, this class meets the PLNU credit hour policy for a 2 unit class delivered over 13 weeks. Specific details about how the class meets the credit hour requirement can be provided upon request.

COURSE CONTENT OUTLINE (TOPIC OUTLINE)

Date	Topic(s) Covered	Test or Quiz?	Assignment
January 17, 2014	Syllabus Review Core Concepts Pharm Across the Life Span	Quiz #1	
January 24, 2014	Autonomic Nervous System Drugs		DB#1
January 31, 2014	Pain, Fever & Inflammation Musculoskeletal Drugs	Quiz #2	
February 7, 2014	Respiratory & Cold/Allergy		DB#2
February 14, 2014	EXAM ONE		
February 21, 2014	Seizures Anxiety & Insomnia Degenerative Diseases of CNS	Quiz #3	
February 28, 2014	Hypertension, Diuretics, Lipid- Lowering Medications		DB#3
March 7, 2014	Angina, Shock, MI, Dysrhythmia's, Heart Failure	Quiz #4	
March 10 – 14th	SPRING BREAK!! NO CLASSES		
March 21, 2014	EXAM TWO		
March 28, 2014	Anticoagulants & Hematopoietics		DB#4
April 4th, 2014	Diabetes Mellitus: Oral Hypoglycemics Diabetes Mellitus: Insulins	Quiz #5	
April 11, 2014	Gastroenterology Oncology		DB#5
April 17 – 21	EASTER BREAK – NO CLASSES		
April 25, 2014	Antibiotics, Antiviral, Antiprotozoal, Antifungal		
May 2, 2014	Proctored ATI – Ryan Library Main Campus		
Monday, May 7, 2014	EXAM THREE		

LEARNING STRATEGIES

Discussion, lecture, small group activities, discussion boards, case studies, quizzes, self-study including computer-based modules (ATI), tutoring and exams.

ATTENDANCE AND PARTICIPATION

Regular and punctual attendance at all classes is considered essential to optimum academic achievement. If the student is absent from more than 10 percent of class meetings, the faculty member has the option of filing a written report which may result in de-enrollment. If the absences exceed 20 percent, the student may be de-enrolled without notice. If the date of de-enrollment is past the last date to withdraw from a class, the student will be assigned a grade of W or WF consistent with university policy in the grading section of the catalog. See [Academic Policies](#) in the undergrad student catalog.

INCOMPLETE AND LATE ASSIGNMENTS

All assignments are to be submitted as specified by faculty, including assignments posted in Canvas. See Course Specific policies.

ACADEMIC DISHONESTY

Students should demonstrate academic honesty by doing original work and by giving appropriate credit to the ideas of others. As explained in the university catalog, academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. Violations of university academic honesty include cheating, plagiarism, falsification, aiding the academic dishonesty of others, or malicious misuse of university resources. A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for a) that particular assignment or examination, and/or b) the course following the procedure in the university catalog. Students may appeal also using the procedure in the university catalog. See [Academic Policies](#) for further information.

ACADEMIC ACCOMMODATIONS

While all students are expected to meet the minimum academic standards for completion of this course as established by the instructor, students with disabilities may request academic accommodations. At Point Loma Nazarene University, students must request that academic accommodations by filing documentation with the [Disability Resource Center](#) (DRC), located in the Bond Academic Center. Once the student files documentation, the Disability Resource Center will contact the student's instructors and provide written recommendations for reasonable and appropriate accommodations to meet the individual needs of the student. See [Academic Policies](#) in the undergrad student catalog.

FERPA POLICY

In compliance with federal law, neither PLNU student ID nor social security number should be used in publicly posted grades or returned sets of assignments without student written permission. This class will meet the federal requirements by (Note: each faculty member should choose one strategy to use: distributing all grades and papers individually; requesting and filing written student permission; or assigning each student a unique class ID number not identifiable on the alphabetic roster.). Also in compliance with FERPA, you will be the only person given information about your progress in this class unless you have designated others to receive it in the "Information Release" section of the student portal. See [Policy Statements](#) in the undergrad student catalog.

EXAMINATION POLICY

Examinations may be deferred due only to illness or because of other equally valid conditions over which the student has no control". Extenuating circumstances will be determined by the faculty of record.

Successful completion of this class requires taking the **FINAL examination on its scheduled day**. The final examination schedule is posted on the [Class Schedules](#) site. No requests for early examinations or alternative days will be approved.

USE OF TECHNOLOGY

Point Loma Nazarene University encourages the use of technology for learning, communication, and collaboration. The use of technology during class will be determined at the discretion of the faculty.

PROFESSIONAL STANDARDS

Students are required to adhere to professional standards while students at PLNU. The nursing department had developed these standards to provide clarification of expected professional behaviors.

1. Presenting yourself professionally in interactions with all persons
2. Behaving with honesty and ethics
3. Respectful communication techniques
4. Being proactive versus reactive
5. Accepting accountability for one's own actions
6. Being prepared and punctual

Additional guidelines

Social networking sites are a great way to connect with many others. These sites can be used to your disadvantage and all persons are advised to employ professional standards on these sites. A general rule would be if what you have posted does not enhance your professional image then it probably needs to be reviewed.

The use of Laptops, cell phones and other electronic devices is at the discretion of the course instructor. Generally it is considered inappropriate to use any device for alternate uses not related to the class being taught. Cell phones should be kept on vibrate or silent during class times unless arrangements have previously been made.

Speaking negatively, relating stories or presenting a biased viewpoint about any class, instructor or other student that is not supportive of the individual involved and can be perceived as incivility. Disagreements are a part of life- but should be worked through in a private manner. Questioning the integrity of a persons' character is disrespectful. Each person is responsible and accountable for their words and actions.

Plagiarism or cheating in any class as a pre-nursing or nursing major will have consequences within the School of Nursing. Disciplinary action will be at the discretion of the instructor, the guidance of the Dean of the School of Nursing, and SON handbook and may include assignment/class failure and possible dismissal from the program.

SCHOOL OF NURSING – GRADING POLICIES

- **Grading Scale** to be used for all exams and final course grades:
 - 93-100% = A
 - 90 - 92% = A-
 - 87 – 89% = B+
 - 84 – 86% = B
 - 81 – 83% = B-
 - 78 – 80% = C+
 - 75 – 77% = C - Must have minimum of 75% to progress in the program
 - 73 – 74% = C-
 - 71 – 72% = D+
 - 68 – 70% = D
 - Below 68% = F
- The Professor of Record has the authority to determine the schedule and re-scheduling of examinations
- All assigned course work must be completed to receive a final course grade
- In order to receive a passing grade in the course, the student must achieve a cumulative average of 75% on tests and quizzes. Grades/points will not be rounded. For example: 80.5% does not round to 81% resulting in a grade of C+ instead of a B-. A grade of less than a “C” (Below 75%) prohibits the student from continuing in the nursing program until the course is repeated with a satisfactory grade of \geq C.
- A grade of at least a “C” in each nursing theory, prerequisite, and/or co requisite course is required in order to progress to the next course or level. The nursing theory and related clinical courses must be taken concurrently and the student must receive a passing grade of “Credit” in the clinical course in order to progress to the next course or level.

- Throughout the curriculum (whether pre-nursing or nursing) students may repeat one pre-requisite or nursing course. With the need for a second repeat of any pre-requisite or nursing course the student will be dismissed from the nursing program.

COURSE-SPECIFIC POLICIES:

METHODS OF ASSESSMENT & EVALUATION

Exams:

3 Exams
5 Quizzes
ATI:

- 2 ATI Non-proctored Exams
- 1 ATI Proctored Exam
- ATI Remediation hours

Assignments:

5 Discussion Board posts/responses

ATI Non-Proctored Pharmacology examination:

Students must take two ATI non-proctored (Practice A or B) tests AND complete each practice test by the deadline stated in the course calendar in order to score above 10 pts on the ATI proctored exam. Codes for the non-proctored assessment can be found on canvas.

ATI Proctored Pharmacology examination will be taken by all students in the Library at the same time. Students scoring at a Proficiency Level of 2 or 3 AND have taken the ATI non-proctored exams by the deadline will be granted 20 points. Students that have not taken the non-proctored ATI exams or have taken them past the deadline indicated will only receive a maximum of 10 points regardless of the proficiency level achieved. Students scoring a Proficiency Level 1 or lower will receive 10 points for this test.

ATI Remediation Hours:

Students that have taken the non-proctored ATI exam will have a list of topics generated in the ATI system for them to review. For each hour that the student reviews these topics in ATI, points will be awarded. At the end of the semester, the student will be responsible for handing in a printout of the hours logged in ATI remediation. Points will be awarded based on the printout record from ATI.

Discussion Board Posts/Responses:

Students will be responsible for posting a thought provoking question (longer than a sentence and no more than a paragraph in length) regarding the pharmacology topic discussed that week in Canvas AS WELL AS creating a response to two thought-provoking questions posted by their classmates. Responses need to be longer than a sentence, no more than a paragraph and logically address the question given. Late

posts/responses or missing posts/responses will forfeit all points for that assignment. No partial credit given.

Overall course grade is based upon the following possible points:

Non-Testing: 75 points	<p>Class participation</p> <p>Students start the semester with 25 points awarded for participation. Points will be deducted for each class period (50 minutes) missed after 2 class periods.</p> <p>Example: 3 class periods missed = 7 point deduction 4 class periods missed = 10 point deduction 5 or more class periods missed = 25 point deduction and at risk of being dropped from the course</p>	25
	<p>Discussion Board Question/Responses (5 per semester @ 10 pts each)</p> <ul style="list-style-type: none"> Post one question to the Canvas discussion board and respond to (2) classmates posts 	50
*Testing: 385 points	Quizzes (5 quizzes @ 10 pts each)	50
	Exams (3 Exams @ 100 pts each)	300
	<p>*ATI Proctored Exam</p> <ul style="list-style-type: none"> 20 pts for level 2 proficiency and above 10 pts for level 1 proficiency 	20
	<p>*(2) ATI non-proctored exam by deadlines listed on calendar</p> <p>*If not completed by deadlines, student will not be able to achieve more than 10 points on Proctored Exam regardless of level</p>	Required
	<p>ATI Remediation Hours</p> <ul style="list-style-type: none"> 3 pts for each hour of remediation after non-proctored exam for maximum of 15 pts 	15
Extra Credit (added to non-test points)	<p>IDEA Feedback Extra Credit (requires 100% class participation) (not counted in point total - extra credit!)</p>	5
	Other extra credit as deemed appropriate by professor!	TBD

EXAMS:

Individual exams – will be worth 85% of the student’s exam grade. The remaining 15% will be determined by group exam score. Students whose individual score is higher than their combined individual + group score will be given the higher of the two scores.

Group exams – will be worth 15% of the student’s exam grade. In the event that a student is not able to participate in the group exam, the student will receive the class average for the group exam or the student’s individual exam score, whichever is higher.

Note: Any evidence that a student is “sharing” information resulting from information gained by taking the group exam (i.e. academic dishonesty) will result in immediate discontinuation of group exams for ALL students in ALL sections with possible reduction in exam scores for all students as well.

QUIZZES:

Quizzes will be given in Canvas during class time. If a student is absent from class or late to class they will not be able to make up a quiz. Exceptions will only be made by the professor under rare circumstances. Please be proactive in your communication with the professor about missed class periods. This will work to your benefit.

Nursing 270 Grading Grid

PLNU School of Nursing Grading Scale (points, %'s NOT rounded)	NSG 270 – TESTING (Includes exams & quizzes) Points Possible = 385			NSG 270 – OVERALL COURSE (Includes Testing & Non-Testing Points) Points Possible = 460		
93 - 100% = A	428	-	460	684	-	735
90 - 92% = A-	414	-	427	662	-	683
87 - 89% = B+	400	-	413	639	-	661
84 - 86% = B	386	-	399	617	-	638
81 - 83% = B-	373	-	385	595	-	616
78 - 80% = C+	359	-	372	573	-	594
75 - 77% = C	345	-	358	551	-	572
73 - 74% = C-	336	-	344	537	-	550
71 - 72% = D+	327	-	335	522	-	536
68 - 70% = D	313	-	326	500	-	521
Below 68% = F		<	313		<	500

CLASS SPECIFIC POLICIES:

- Complete assignments on time. Assignments are due as noted in the syllabus on the date due. A full 10% will be deducted for each day (0-24 hours) late if not previously discussed with professor. Extra credit assignments will not be accepted late.
- Students are responsible for **reading PLNU email at least every 24 hours**. Nursing faculty reserve the right to utilize electronic means of communication (e-mail and canvas) for class assignments, communication, and notification of grades.
- Communicate with me regularly about your progress/concerns/anything – telling me about problems or issues before things are due – this makes it much easier for me to grant grace.
- Proactively communicate any absence with me or your clinical professor directly (via email, phone call or text) so that you honor the classroom and clinical community that we are striving to develop.
- **Laptops or iPads** may only be used in class for note-taking or looking up class-related information. Paper and pencil note-taking are always appropriate and may become the sole option of note-taking in this class at any time if students are found abusing this privilege.
- Recording the lecture is acceptable and may be coordinated with the professor. On occasion, the professor may allow students to use cell phones for class polling purposes; otherwise these should not be out during class.
- All **backpacks and carrying bags** must be left at the door prior to the start of testing.
- **Calculators** must be basic function only (+, -, X, ÷). No scientific calculators, palm pilots or cell phones may be used. Calculators may not be shared unless prior permission has been granted by the professor.
- **Exams:** will be conducted in both single and group modes. For each exam (including the final), students will be given an individual examination during the first hour of the course. These will be collected and held by the professor for grading. During the second hour, students will be assigned to group teams for examination. Each team will receive a single exam copy and a Scantron. The groups score (as determined by the graded scantron will account for 15% of the students score for that exam. In the rare case that a student's individual score is higher than the combined score, the higher score will be recorded.
- At the time of **examination**, only the exam, scantron (provided), writing utensils and basic function calculators will be allowed. No drinks, food, eyeglass cases, etc.
- The student is expected to **attend all classes in NSG 270**, to be on time and to participate in all learning activities.

REQUIRED TEXTS & RECOMMENDED STUDY RESOURCES

- Adams, M., Holland, N. & Urban, C. (2014). Pharmacology for nurses: A pathophysiologic approach. Upper Saddle River, New Jersey: Pearson. ISBN: 978-0-13-302618-4.

PORTFOLIO REQUIREMENT

At the conclusion of each course, students are expected to complete/update a LiveText® portfolio including self-evaluation of outcomes using the BSN Growth Portfolio template. The portfolio provides evidence supporting professional development and attainment of

PLNU SON BSN graduate outcomes. For this course, the following assignment(s) are **required** to be submitted in LiveText®.

- Signature Assignment: None
- All Guided Reflective Assignments: None

Students are strongly encouraged to submit additional coursework into LiveText to demonstrate personal and professional growth.

LEADERSHIP REQUIREMENT

Attendance of at least one SON meeting is required on an annual basis for each student. As with NSG260/261 students, with M-Z last names and those who have not yet attended an SON meeting this year should attend during the spring semester.

COURSE OUTCOMES:

Student Learning Outcomes for each class period are provided.

WEEK 1

TOPIC: Syllabus Review & Core Concepts

CLASS DATE: 1/17/14

KEY TERMS:

Pharmacology	Formulary	Food & Drug Administration (FDA)
Therapeutic Classification	Pharmacologic Classification	Trade name
Generic	Prototype	Scheduled drugs
Allergic reaction	Anaphylaxis	Compliance
Enteric-coated	Sustained-release	Pharmacokinetics
Pharmacodynamics	Blood Brain Barrier (BBB)	First Pass Effect
Therapeutic Range	Loading dose	Maintenance Dose
Therapeutic Index	Antagonists	Agonists

STUDENT LEARNING OUTCOMES: Upon completion of the class session and discussion, the student will be able to:

1. Define the key terms (above).
2. Explain how drugs are placed into classifications.
3. Explain how drugs are determined to be over-the-counter versus prescription.
4. Discuss the role of the Food and Drug Administration in medication safety.
5. Describe differences between Generic and Trade name.
6. Determine how specific medications are placed on the FDA Drug Schedules.
7. Explain the 5 basic rights of drug administration.
8. Define the terms: pharmacokinetics and pharmacodynamics.
9. Explain the variables that affect drug absorption, distribution, metabolism and excretion.
10. Explain the terms: loading dose, half-life and therapeutic level.

RELATED STUDENT ACTIVITIES:

Adams, Holland & Urban: Chapters 1 – 5
Just read for understanding of the above outcomes.

