

Oakland University School of Nursing

Pharmacology in Nursing

**NRS 3041 (308)
CRN #11599**

Faculty:

**Deana Hays, DNP, RN, FNP-BC
Assistant Professor**

Winter 2018

COURSE NUMBER: NRS 3041 (308) – CRN #11599

CREDIT & HOUR ALLOCATION:	<u>Credits</u>	<u>Hrs/Wks</u>	<u>Total Hours Semester</u>
Theory	3	3 x 14	42

COURSE TITLE: Pharmacology in Nursing

CLASS TIME & LOCATION: Monday, 10:50 am – 1:20 pm
5045 Human Health Building. (HHB)
January 3, 2018 – April 25, 2018

FACULTY OF RECORD: Deana Hays, DNP, MSN, RN, FNP-BC
Assistant Professor
Office: 3015 Human Health Building (HHB)
Office Telephone: (248) 364-8765 Cell phone: 248-396-7108
Office Hours: By Appointment Only
Email: via Internal Email in Moodle Course Site
Email: hays@oakland.edu

PREREQUISITE and/or CO-REQUISITES

Prerequisites: NRS 2011 (227)

COURSE OVERVIEW

This course focuses on major categories of drugs and the application of pharmacology-related concepts to clinical nursing practice. Basic pharmacokinetics, pharmacodynamics, and pharmacotherapeutics related to major classes of drugs will be emphasized along with their physiologic actions, expected patient responses, major side effects, and the implications for professional nursing practice.

COURSE OBJECTIVES

1. Examine the nursing role related to drug therapy for the provision of safe, quality patient care.
2. Describe the use of pharmacotherapeutics, pharmacokinetics and pharmacodynamics in drug therapy.
3. Examine the impact of adverse effects and drug interactions on patients.
4. Discuss the effects of life span, life style, environmental and cultural considerations related to drug therapy.
5. Describe major classes of drugs by major body system

COURSE COMMUNICATIONS:

Please contact me using the course email function in Moodle. You can access course email by logging into Moodle and then clicking on course email, located at the top of the course home page. If Moodle is unavailable for any reason or if it is an urgent matter, please email me through my Oakland University email account at hays@oakland.edu

All course communications will be send through Moodle. Please check your Moodle emails and postings on a regular basis. All supplemental course materials will be posted on Moodle.

OFFICE HOURS

If at any point during the semester you should feel that private office hours need to be obtained, please email me through the course email system and I will be happy to schedule a time to meet in person.

REQUIRED TEXTBOOK

Burcham, J.R. & Rosenthal, L. D. (2016). Lehne's pharmacology for nursing care (9th ed.). St. Louis, MS. Elsevier

Supplemental readings and resources will also be made available online through Moodle

RECOMMENDED REFERENCES

Burcham, J.R., Rosenthal, L. D., & Donwerth, J. (2015). Study guide for Lehne's pharmacology for nursing care (9th ed.). St. Louis, MS. Elsevier

There are several mobile applications that may be helpful during this course and during your clinical rotations. It is recommended that you utilize one or more of these applications as reference tools during your clinical rotations.

Epocrates, www.epocrates.com

DynaMed, www.dynamed.com

UpToDate, www.uptodate.com

CLASS FORMAT

This course is delivered using a hybrid of online and in class learning. This course will meet weekly on Monday's. In addition, online modules will be used to help you to prepare for in classroom learning activities. Please be certain to check your Moodle page regularly.

COURSE REQUIREMENTS:

Late Assignments & Missing Assignments

Late assignments will be marked down by 10% of your grade for everyday that the assignment is late. For example, if you turn in an assignment that is worth 10 points and you get an 8/10, but it is 2 days late, you will receive a 6/10. All assignments more than one week late will not be accepted.

Classroom Participation

Students are expected to:

- Attend classroom sessions
- Login to Moodle a minimum of 3 times a week; daily login is highly recommended.
- Complete relevant reading and study the topic areas identified and be prepared to participate in classroom activities each week.
- Follow the calendar of events and complete all assignments by listed due dates

Computer Access

In order to fully participate in this course, you will need:

- An internet connected computer a web browser installed. *Use of smartphones and tablets is not recommended.*
- In the event that your computer crashes or internet goes down, it is recommended to have a backup plan to be able to log in from another computer or another location as needed.

Technical Assistance

If you have general questions about the course (such as due dates, content, etc.), please contact the instructor using any of the contact methods described in the instructor section at the beginning of this document. For technical issues that you cannot resolve on your own, please contact the E-Learning and Instructional Support office:

- Phone : (248) 805-1625
- Submit a help ticket : <http://www2.oakland.edu/elis/help.cfm?lms=2>

EVALUATION METHODS

Course Requirements

Students will be graded based on the following assessments.

5 Quizzes	25% of final grade
Midterm Exam	25% of final grade
Final Exam	25% of final grade
Case Studies/ Discussions	20% of final grade
ATI Exam	5% of final grade

Class Assignment Description

Quizzes

Frequent quizzes are integrated within the course to measure whether or not you have met the course objectives and understand the course content. Utilizing this method creates a systematic process that will ultimately help you master course content. Therefore, quizzes are mandatory and need to be completed within the allotted time frame. All will be administered in class. You will have one attempt at each quiz. Quizzes are timed and are to be taken individually, without the use of notes and/or resources. Make-up quizzes will only be allowed with excused absences. You will need to speak with me prior or immediately following your absence to be considered for quiz retake. Please note that retake quizzes will not be identical to the questions given during the initial quiz.

Exams

There will be two exams this semester. The midterm exam will cover the content from the first half of the semester. The final will be covering the content from the week after the midterm to the end of the semester. The final exam is non-cumulative in nature and covers content from the week after the midterm to the end of the semester. Dates for exams will be posted on the course Moodle site. Both the midterm and final exam, will consist of application and/or critical thinking type questions, similar to what you will see on the NCLEX examination.

Assignments

Within course modules, various assignments are utilized to facilitate application of course material into areas of clinical practice. Assignments may include, but not limited to case studies, discussion forums, and guided assignments. The integration of pharmacotherapy into nursing practice requires more than memorization. Professional nursing practice, as well as pharmacotherapy, are dynamic disciplines undergoing consistent change as new knowledge is generated. Knowledge acquisition within professional nursing practice extends beyond general comprehension; it requires one to integrate multiple variables and further analyze concepts in a systematic manner.

Specific assignment information will be posted in Moodle.

ATI Exam:

The School of Nursing provides all nursing students with access to ATI Nursing Education. ATI Nursing Education provides resources that are designed to facilitate student success throughout nursing courses, as well as in preparation for NCLEX-RN examination. ATI exams are strategically placed throughout the program within specific courses designated by the School of Nursing. Nursing 3041 Pharmacology, is designated as one of the courses for ATI examination. To receive a grade for this course, you must complete the Pharmacology ATI test prior to the 12th week of class. The ATI exam will be taken on campus during the designated time scheduled for the course. The ATI testing date, time, & location on campus will be posted on the Moodle course site. You must achieve a score on the test that places you at or above proficiency Level 2 the first time you take the exam. If you do not achieve at or above level 2, mandatory remediation is required, and you may not sit for the final examination until you have completed the remediation and re-taken the ATI exam achieving a score of 100% on it. Specific information regarding the ATI exam will be provided at a later date

Course Schedule*

Module	WEEK	Topical Overview	Activities
Module 1	1 1/3/18 - 1/8/18	<ul style="list-style-type: none"> Principles of Pharmacology Medication Safety Drug Therapy Across the Lifespan 	Course Introduction
Module 2	2 1/9/18- 1/14/18	<ul style="list-style-type: none"> Vitamins & CAM <p>*Since we will not have class on 1/15/18 due to MLK day this content will be recorded on Moodle</p>	Online Discussion Due 1/14/18
	1/15/18	No Class MLK Days	
Module 3	3 1/16/18- 1/22/18	<ul style="list-style-type: none"> Drug Therapy for the Nervous System: Part 1 PNS 	Quiz 1 Modules 1 & 2: Due 1/22
	4 1/23/18- 1/29/18	<ul style="list-style-type: none"> Drug Therapy for the Nervous System: Part 2 CNS 	Case Study #1: Due 1/29 Rubric & Details will be posted in Moodle
Module 4	5 1/30/18- 2/5/18	<ul style="list-style-type: none"> Psychotherapeutic Drugs 	Quiz 2 Module 3: Due 2/5
Module 5	6 2/6/18- 2/12/18	<ul style="list-style-type: none"> Fluid & Electrolytes Cardiovascular Drugs: Part 1 	
	2/12/18	Midterm Exam	
Midwinter Break 2/17/18-2/25/18			
Module 6	7 2/26/18- 3/5/18	<ul style="list-style-type: none"> Cardiovascular Drugs Part 2 	Quiz 3 Module 5 & 6: Due 3/5

Module 7	8 3/6/18- 3/12/18	<ul style="list-style-type: none"> • Drug Therapy for the Endocrine System 	Case Study #2: Due 3/12 Rubric & Details will be posted in Moodle
Module 8	9 3/13/18- 3/19/18	<ul style="list-style-type: none"> • Drug Therapy for the Respiratory System 	Quiz 4 Module 7 & 8: Due 3/19
Module 9	10 3/20/18- 3/26/18	<ul style="list-style-type: none"> • Drug Therapy for the Gastrointestinal System 	
	3/26/18	ATI Examination on Campus Monday	
Module 10	11 3/27/18- 4/2/18 <hr/> 12 4/3/18- 4/9/18	<ul style="list-style-type: none"> • Drug Therapy for Immune System: Part 1 <hr/> • Drug Therapy for Immune System: Part 2 	Quiz 5 Module 10: Due 4/2
Module 11	13 4/9/18- 4/16/18	<ul style="list-style-type: none"> • Drug Therapy for Reproduction 	Case Study #3: Due 4/16 Rubric & Details will be posted in Moodle
	4/18/18	Study Day	
	4/23/18	Final Exam	

***Course Schedule subject to change, see Moodle for official dates**

ACADEMIC CONDUCT AND PROFESSIONALISM

Completion of all course related assignments must be the result of the student's individual effort, except in the circumstance where the assignment requires group effort. Students will be prohibited from taking and/or receiving the efforts of another person on any exam or assignment, prohibited from using unauthorized resources on quizzes and/or exams, prohibited from giving and/or selling other student/faculty papers or assignments **unauthorized by the instructor**.

Penalties for academic misconduct in this course will be severe and will result in a numerical grade of 0.0 for this course.

Plagiarism is stealing the words and ideas of another and presenting them as your own. Unintentional or intentional, plagiarizing is a serious offense. Students found to have plagiarized will be reported to the Dean of Students. Possible consequences for being proved a plagiarist include an academic disciplinary warning, academic probation, suspension or expulsion (dismissal) from the university. Resource materials should be referenced appropriately using APA format for applicable course assignments.

All students are directed to the School of Nursing Undergraduate Student Handbook Policies and Procedures for Progression, Retention and Dismissal in the School of Nursing.

ADD/DROP POLICY

The University add/drop policy will be explicitly followed. Please be aware of the University deadline dates for dropping the course. Please let me and your adviser know if you plan to drop the course. This is to ensure we can assist you with successful progression.

SPECIAL CONSIDERATIONS

An official letter from the Department of Disability Support Services is needed for test-taking or other accommodations. For academic help, contact the Academic Skills/Tutoring Center, 103A North Foundation Hall, phone 248-370-4215.

FACULTY & COURSE EVALUATION

Students will be provided the opportunity to evaluate this course and faculty toward the end of the semester. The information students provide regarding the course and faculty is extremely valuable to both the School of Nursing faculty and administration. Student feedback is especially useful for faculty as they continue to revise and refine course content and teaching strategies. Please take the time to complete the evaluation forms. We appreciate your time and attention to this important matter.

INSTRUCTOR & STUDENT EXPECTATIONS

To be successful in this class, it is the student's responsibility to:

- Attend class meetings and participate in course discussions and activities.
- Stay caught up and review lectures, videos, and assignments on a weekly basis.

- Read and comprehend the textbook, and any supplemental readings posted.
- Complete required quizzes and exams on scheduled dates.
- Ask for help when there is a question or if further clarification is needed
- Respond to emails within 24-48 hours
- Respect rules of netiquette
- Participate in a thoughtful manner

As your instructor, it is my responsibility to:

- Facilitate an effective learning environment through class activities, discussion, and lecture.
- Provide the grading scale and detailed grading formula explaining how grades are derived.
- Inform students of policies such as attendance, withdrawal, and academic conduct.
- Arrange to meet with individual students as required.
- Moderate discussions within the course
- Respond to email within 24-48 hours