School of Nursing and Health Professions
Nursing

NUR 202 and Pathophysiology/Pharmacology I
Credits: 3
Term: Fall 2024

Section: 202-01 Tuesday & Thursday 8:30am – 10:10am
Section: 202-02 Tuesday & Thursday 10:30am – 12:10pm
Section: 202-03 Tuesday & Thursday 1:00pm – 2:40pm
Section: 202-04 Tuesday & Thursday 3:00pm – 4:40pm

Instructor Information

Instructor: Joy Ryan, MSN, RN, CNE
Email: joy.ryan@chaminade.edu
Phone: 808.404.4202
Office Location: Henry Hall 118J
Office Hours: by appointment scheduled using this LINK. Online, in-person, and phone conferences can be arranged.

Co-instructor/BSN Remediation Coordinator: Denise Cooper, MSN, RN, CNE
Email: denise.cooper@chaminade.edu
Phone: 808.739.7436
Office Location: Henry Hall 117
Office Hours: Online, in-person, and phone conferences can be arranged.

Communication
Questions for this course can be emailed to the instructor at joy.ryan@chaminade.edu using the Chaminade student email account provided. Demonstrate professionalism by including a subject line that properly summarizes the contents of the message and providing your section number in the email. Proper salutation is appreciated. Response time will take place within a 24–48-hour time period, excluding weekends and holidays.

School & Department Information

School of Nursing & Health Professions
If you have questions regarding the School of Nursing and Health Professions, reach out to your Instructor or the School of Nursing and Health Profession.

Office Location: Henry Hall 110
Email: nursing@chaminade.edu
Phone: 808.739.8340

Course Description & Materials

Catalog Course Description

This nursing course explores processes underlying all disease; systematically reviews pathological changes; and integrates it with pharmacological concepts. There is a focus on disease processes associated with physiologic responses, manifestations, and diagnostic testing of selected health alterations. The complexity of disease and chronic disease will be explored. This course builds upon the knowledge of human anatomy and physiology. This course also provides an overview of pharmacology with a systemic study of representative drugs in each category. Critical and analytical thinking in the application of the nursing process to disease alterations and drug therapy in individuals across the life span and in diverse populations is stressed.

This course is divided into two sections over the academic year. Pathophysiology/Pharmacology I NUR 202 serves as the foundation. Pathophysiology/Pharmacology II NUR 203 will build on material covered in the first semester and increase the level of complex diseases and pharmacological interventions.

Prerequisites*: BI 151 and BI 151L, BI 152 and BI 152L, NUR 200*
Co-requisites: *NUR 207*

Time Allocation

This is a three-credit hour course requiring 135 clock hours of student engagement, per the official CUH Credit Hour Policy. Students enrolled in this course are anticipated to spend 37.5 hours in class, 15 hours researching and preparing group presentation, 10 hours studying for course quizzes, and 25 hours studying for midterm and final exams. There will be an additional 47.5 hours of work required beyond what is listed here (course readings and classroom preparation, homework assignments, etc.), averaging 3.2 hours each week.

Required Materials

Adams, M., Holland, L. N., & Urban, C. Q. (2024). *Pharmacology for nurses: pathophysiologic approach*.

   7th ed. *w/MyLab Nursing*. Pearson. ISBN: 978-0138097042

Shadow Health. (2021). *Pharmacology Digital Clinical Experiences* (Pharmacology DCE – 2021_10-

   pharmacology-   undergrad) [Computer software]. Elsevier. ISBN: 9780989788830.

Required Resources

- **ATI Content Mastery Series:**
    - RN Pharmacology for Nursing *Edition 9.0* (This text is part of your ATI Learning System package)
    - ATI Learning Systems RN 3.0 (Pharmacology)
    - ATI Achieve
    - ATI Nurse Logic 2.0
    - ATI Pharmacology Made Easy 5.0 (unit specific)
- MyLab Nursing (Pearson bundle)
- Shadow Health DCE: *Pharmacology*

Canvas

The Learning Management System, **Canvas**, is used throughout all of the nursing courses. Course website address [Link](#). Hardware requirements: Canvas is accessible from most PCs and Macintosh computers with a reliable Internet connection. Canvas is accessible on all computers available for use on campus.

Technical Assistance for Canvas Users:
- Search for help on specific topics or get tips [How do I get help with Canvas as a student?](#)
- [Live chat with Canvas Support for students](#)
- Canvas Support Hotline for students: +1-833-209-6111
- Watch this [video to get you started](#)
- [Online tutorials](#): click on "Students" role to access tutorials
- Contact the Chaminade IT Helpdesk for technical issues: helpdesk@chaminade.edu or call (808) 735-4855

Assessment Technologies Institute Assessment CDN021775022 is an online educational learning system used throughout the nursing courses at CUH SON. Website: http://www.atitesting.com. Complete system requirements are available on the logon page. For all inquiries during office hours use: (800) 667-7531. After hours technical support, send an email to helpdesk@atitesting.com.

Shadow Health Digital Clinical Experience (DCE) 6111-3674-1039-6965 Shadow Health™ is an educational software program of rich learning environments and Digital Clinical Experiences™ which develops educational environments that provide a virtual, accurate, and in-depth clinical environment to practice diagnostic reasoning, communication, and procedural skills through interactive learning. In each pharmacology scenario, students use their growing knowledge of pharmacology and learn how to think critically at every stage of patient interaction. You will examine digital patients throughout the course that are accessible online 24/7. Once you register, you will have lifetime access to the technology. Login page: http://app.shadowhealth.com.

- Review requirements: https://support.shadowhealth.com/hc/en-us/articles/360004558353-DCE-Minimum-System-Specifications. Tablets and mobile devices are not currently supported. Recommended web browsers are Google Chrome (preferred) or Firefox.

- Technical support: contact Shadow Health with any questions or technical issues **before** contacting your instructor. Support can be reached via support.shadowhealth.com, through email @ nhpsupport@elsevier.com, or by calling (800) 222-9570.

MyLab Nursing

With MyLab Nursing you will move beyond memorization to true understanding through application. You will have the opportunity to study better at your own pace. *Dynamic Study Modules* use the latest developments in cognitive science to help you study chapter topics by adapting to your performance in real-time. As a result, you will build the confidence needed to deepen understanding, participate meaningfully, and perform better, in and out of class. https://youtu.be/8ASStVYG-Fk

Learning Outcomes

Program Learning Outcomes (PLOs)

Upon completion of the Bachelor of Science nursing program, the student will be able to:
1. Utilize the nursing process to advocate for safe, holistic, patient-centered care across the lifespan, incorporating the Marianist value of service, justice, and peace

2. Apply leadership and communication skills to ensure quality, collaborative and continuous patient care

3. Integrate credible research with clinical experience and patient preferences for optimal care across the lifespan.

4. Incorporate informatics and healthcare technologies into the practice of professional nursing.

5. Contribute to the safety and quality improvement of the healthcare environment.

Course Learning Outcomes (CLOs)

At the completion of this course, the student will demonstrate the ability to:
1. Recognize how the nursing process and the Marianist values are utilized in the care of clients receiving drug therapy;
2. Describe the collaborative role and responsibilities of the nurse in monitoring drug therapy responses across the lifespan;
3. Describe the evidence-based principles related to medication management and the prevention of medication errors;
4. Examine the use of information technology sources for medication management and the prevention of medication errors;
5. Describe legal, ethical, and economic aspects of drug therapy to promote quality improvement

and preserve patient safety.

Marianist Values

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith.
2. Provide an integral, quality education.
3. Educate in family spirit.
4. Educate for service, justice and peace, and integrity of creation.
5. Educate for adaptation and change.

Alignment of Learning Outcomes to the Marianist Values

	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5
Marianist Values	1	1,2,3,4,5	2	3,4,5	2,3,4,5
Program Learning Outcomes	1	2	3	4	5

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the 'Olelo No'eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua ('Ōlelo No'eau 364) May I live by God.
2. Provide an Integral, Quality Education (Na'auao) Lawe i ka ma'alea a kū'ono'ono ('Ōlelo No'eau 1957) Acquire skill and make it deep.
3. Educate in Family Spirit ('Ohana) 'Ike aku, 'ike mai, kōkua aku kōkua mai; pela iho la ka nohana 'ohana ('Ōlelo No'eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship.
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no'eau ('Ōlelo No'eau 1430) Education is the standing torch of wisdom.
5. Educate for Adaptation and Change (Aina) 'A'ohe pau ka 'ike i ka hālau ho'okahi ('Ōlelo No'eau 203) All knowledge is not taught in the same school

Alignment of Course and Program Learning Outcomes

Key progression in professional nurse practice: I= Introduced to the concept/skill D= Developing M= Mastered	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5
PLO#1 Utilize the nursing process to advocate for safe, holistic, patient-centered care across the lifespan, incorporating the Marianist value of service, justice, and peace	I				
PLO#2 Apply leadership and communication skills to ensure quality, collaborative and continuous patient care		I			
PLO#3 Integrate credible research with clinical expertise and patient preferences for optimal care across the lifespan			I		
PLO#4 Incorporate informatics and healthcare technologies into the practice of professional nursing.				I	
PLO#5 Contribute to the safety and quality improvement of the healthcare environment.					I

Course Activities

Assessment and Course Grading

Assignment/assessment descriptions and instructions can be found in the appropriate modules on Canvas. Students are required to review the expectations of each assignment/assessment prior to completion.

The proportion that each of the above contributes to your grade in this course is as follows:

List of Assignments	Course Grade %
Quiz #1	15%
Quiz #2	15%
Midterm Exam	25%
Final Exam	25%
Students must have a weighted testing average score (above) of 75% for the items above.	
Shadow Health DCE Performance	10%
Cultural Diversity (CAM) Presentation	5%
ATI Pharmacology Made Easy	5%
Didactic Attendance/Participation	Pass/Fail
Lab Attendance/Participation	Pass/Fail
	100%

Assignments and Grading Criteria

Didactic & Lab Preparation, Participation & Performance: Students are expected to be adequately prepared to participate in class and seminar discussions and small group collaborative activities. MyLab Nursing assignments for pharmacology are to be completed along with text readings *prior* to class. Each student's responsibility is to be engaged in his or her learning. Substantive participation may include but is not limited to participating in class activities, asking relevant questions, adding information in class supported by pertinent reading materials, discussion questions, etc. Substantive participation often translates to active learning. *See rubric for grading criteria in Canvas file.*

Written Quizzes: There will be two (2) closed book quizzes. Quizzes will be taken at the beginning of your didactic class on ATI. Question material will cover content from assigned readings (Pearson and ATI), didactic content/notes/case studies, and ATI Pharmacology Made Easy 5.0 tutorials. Students are not allowed to speak with other classmates for assistance in person or via electronic devices. If this should occur, students will receive a zero (0) grade for the quiz. Any student who arrives after the quiz begins will receive a zero (0) grade for the quiz and must wait outside the door until the other students are finished. ***There are no make-up quizzes without prior faculty arrangements.***

Multiple-choice Midterm & Final Examinations: There will be a comprehensive mid-term exam covering weeks 1 through 7, and a final comprehensive exam covering all covered lecture material from weeks 8 through 14. Exams will be created to reflect the Program Learning Outcomes (PLO) and Course Learning Outcomes (CLO). Questions will require recall and critical thinking to incorporate the application of the nursing process (assessment, diagnosis, outcome identification and planning, implementation, and evaluation).

Course Policies

Overall Testing Policy

- **To pass this course, the student must obtain a 75% or higher weighted average on testing assessments in this course.**
  - Exams
  - Quizzes
- **ALL** assignments must be successfully completed in order to pass this course.
- If the student fails to successfully complete all required assignments and/or does not have a weighted average on testing assessments of at least 75% in all testing assessments in this course, the maximum grade obtained for the course will be a D.
- **No Rounding of Grades: Example: If a student earned a final percentage grade of 69.99%, the final score will NOT be rounded to 70.**

Assignment Policy:

- All assignments must be satisfactorily completed in order to pass this course.

ATI Pharmacology Made Easy 5.0 tutorial drills and tests are interactive, media-rich online tutorials designed to help students learn about pharmacology and drugs given in practice. Each module focuses on drugs that relate to a body system and contains detailed drug information related to the drugs' use in the management of alterations in health. Students must complete assigned module tutorial drills and complete the module posttest by earning a 90%. _Any posttest can be repeated one time._ Students earning below 90% on any posttest will receive a zero for that posttest. There will be no partial credit awarded. Practice questions, tutorial drills, and posttests are individual NOT collaborative efforts.

Shadow Health DCE virtual simulation for Nursing/Pharmacology will provide exercises in synthesizing and applying learning to real-world nursing situations. Shadow Health's patient cases are designed for students to practice communicating with and examining their virtual patients, as well as providing them the opportunity to document their findings. There will be four (4) graded patient modules that will be averaged for 10% of the course grade

Testing Policy

Students are expected to take tests on the designated day. In case of an emergency, the instructor of the course must be contacted immediately so that an alternate plan can be made at the instructor's discretion. Notification to any other individual other than the instructor of record will not be accepted. Notification must happen prior to the exam, any notification after the exam may not be honored. Failure to do so may result in a zero. In case of absence due to illness, a health care provider note is required. If proper documentation is provided, the instructor may approve a make-up test. The student will be required to take the exam upon the first business day the provider note states the student is clear to return unless the instructor approves otherwise. Make-up test dates and times will be determined by the instructor. Once a student takes an exam, the student will not be permitted to re-take the exam for any reason.

The School of Nursing may choose to utilize an online exam proctoring technology at any time during this course. This technology enables students to take proctored exams at a location that is off campus. This technology provides a secure test environment that promotes academic integrity and provides data security. The process identifies a student and records video, audio, and screen capture during the student's exam. This information is communicated to secure servers and reviewed. The video, audio, and screen capture are used solely to ensure academic integrity during the testing process.

Attendance

Class and lab attendance is a **_requirement_**. The classroom is a teaching and learning environment where there is an exchange of knowledge and experience, so students must attend class and participate in classroom activities to maximize individual learning. Students who are absent from class not only miss a part of the course's subject matter but also diminish the opportunities for contributing to the learning environment for the entire class. **_You must email the instructor prior to class if you have any emergencies that will affect your attendance_**.

Students must attend both classes and labs to maximize individual learning. Each student will be encouraged to develop a professional work ethic that reflects personal responsibility, initiative, and teamwork. Any student who stops attending class without officially withdrawing may receive a failing grade; unexcused absences equivalent to more than a week of class may lead to a grade reduction for the course. The instructor must report any absence of two weeks or more to the Associate Provost and the Records Office. Federal regulations require continued attendance for continuing payment of financial aid.

Late Work

It is expected that assignments will be submitted on time. Late assignments are highly discouraged. Students (at an instructor's discretion) may ask an extension of an assignment for the didactic portion of this course only but will be subject to the deduction of 5% per day. ***No late assignments will be accepted after 48 hours.*** All written assignments must be submitted in the acceptable Word document attachment. The student is responsible to make sure that the attachment is the final version of the assignment. Any resubmissions will be subject to late penalty. In addition, students are encouraged to collaborate, but individual assignments must be done on an individual basis. When templates are used and information submitted appears to be duplicate information, suspicion of academic dishonesty may occur. Please review the policy of academic honesty in detail.

In the rare occurrence that submission in Canvas is not accessible, please contact Help Desk Support and report any technical issues. The student is responsible for getting a reference number from Help Desk Support as evidence of any technical issues as requested by the faculty. In an event that ATI or Pearson cannot be accessed to submit assignments on time, the student can email the course coordinator prior to the assignment deadline.

Extra Credit
Extra credit is not permitted in the Nursing Program.

Changes to the Syllabus
While the provisions of this syllabus are as accurate and complete as possible, your instructor reserves the right to change any provision herein at any time. Every effort will be made to keep you advised of such changes, and information about such changes will be available from your instructor.

Final Grades
Final grades are submitted to Self-Service:
>   A = 90% and above
>   B = 80-89%
>   C = 70-79%
>   D = 60-69%
>   F = 59% and below

Important Information

Academic Honesty

Academic honesty is an essential aspect of all learning, scholarship, and research. It is one of the values regarded most highly by academic communities throughout the world. Violations of the principle of academic honesty are extremely serious and will not be tolerated.

Students are responsible for promoting academic honesty at Chaminade by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty to an instructor or to a University official. Academic dishonesty may include theft of records or examinations, alteration of grades, and plagiarism, in addition to more obvious dishonesty.

Questions of academic dishonesty in a particular class are first reviewed by the instructor, who must make a report with recommendations to the Dean of the Academic Division. Punishment for academic dishonesty will be determined by the instructor and the Dean of Academic Division and may include an "F" grade for the work in question, an "F" grade for the course, suspension, or dismissal from the University.

For the most up to date information, please refer to the Academic Honesty Policy on the Chaminade University Catalog website.

SNHP Academic Conduct Policy

Nursing students are responsible for promoting academic honesty in all educational settings. ***Any behavior that impedes assessment of course outcomes is considered academic dishonesty by the CUH SNHP.*** Nursing students represent Chaminade University and the School of Nursing and Health Professions and as such are expected to demonstrate professional, ethical behavior in the classroom, in laboratory settings, in the clinical setting, and in the community. The Chaminade student nurse shall be committed to the Marianist values and the core values of the School of Nursing. ***Violations of the principle of academic honesty are extremely serious and will not be tolerated***. Students are responsible for promoting academic honesty by not participating in any act of dishonesty and by reporting any incidence of academic dishonesty by others to an instructor or to a university official. Academic dishonesty may include but not limited to: cheating, accessing or distributing test banks or test questions, plagiarism, unauthorized collaboration, deliberate interference with the integrity of the work of others, falsification of data, and submitting work for evaluation as one's own that was produced in whole or substantial part through the use of artificial intelligence tools or other tools that generate artificial content without permission from the instructor. Infractions may result in a reduced grade,

repeating the assignment/ exam, course failure or dismissal from the program. Please refer to "*Professional Behavior"* in the **Nursing and Health Professions BSN Student Handbook** for an in-depth explanation.

Recording

Students may not record or distribute any class activity without written permission from the instructor, except as necessary as part of approved accommodations for students with disabilities. Any approved recordings may only be used for the student's own private use.

Title IX and Nondiscrimination Statement

Chaminade University of Honolulu is committed to providing a learning, working and living environment that promotes the dignity of all people, inclusivity and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking. As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator.

Nondiscrimination Policy & Notice of Nondiscrimination

Chaminade University of Honolulu does not discriminate on the basis of sex and prohibits sex discrimination in any education program or activity that it operates, as required by Title IX and its regulations, including in admission and employment. Inquiries about Title IX may be referred to the University's Title IX Coordinator, the U.S. Department of Education's Office for Civil Rights, or both and contact information may be found at the [Chaminade University Title IX Office Contact Information and Confidential Resources website](#). On-campus Confidential Resources may also be found here at [CAMPUS CONFIDENTIAL RESOURCES](#).

The University's Nondiscrimination Policy and Grievance Procedures can be located on the University webpage at: https://chaminade.edu/compliance/title-ix-nondiscrimination-policies-procedures/.

To report information about conduct that may constitute sex discrimination or make a complaint of sex discrimination under Title IX, please refer to the [Campus Incident Report form](#). Chaminade University of Honolulu prohibits sex discrimination in any education program or activity that it operates. The NOTICE of NONDISCRIMINATION can be found here: [Notice of Nondiscrimination](#).

CUH Alert Emergency Notification

To get the latest emergency communication from Chaminade University, students' cell numbers will be connected to Chaminade's emergency notification text system. When you log in to the Chaminade portal, you will be asked to provide some emergency contact information. If you provide a cellphone number, you will receive a text from our emergency notification system asking you to confirm your

number. You must respond to that message to complete your registration and get emergency notifications on your phone.

Assessment for Student Work

With the goal of continuing to improve the quality of educational services offered to students, Chaminade University conducts assessments of student achievement of course, program, and institutional learning outcomes. Student work is used anonymously as the basis of these assessments, and the work you do in this course may be used in these assessment efforts.

Student with Disabilities Statement

Chaminade University of Honolulu offers accommodations for all actively enrolled students with disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and the ADA Amendments Act (2008).

Students are responsible for contacting Kokua Ike: Center for Student Learning to schedule an appointment. Verification of their disability will be requested through appropriate documentation and once received it will take up to approximately 2–3 weeks to review them. Appropriate paperwork will be completed by the student before notification will be sent out to their instructors. Accommodation paperwork will not be automatically sent out to instructors each semester, as the student is responsible to notify Kokua Ike via email at ada@chaminade.edu each semester if changes or notifications are needed.

Kōkua ‘Ike: Tutoring & Learning Services

Chaminade is proud to offer free, one-on-one tutoring and writing assistance to all students. Tutoring and writing help is available on campus at Kōkua ‘Ike: Center for Student Learning in a variety of subjects (including, but are not limited to biology, chemistry, math, nursing, English, etc.) from trained Peer and Professional Tutors. Please check Kōkua ‘Ike's website for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. Tutor Me can be accessed 24/7 from your Canvas account. Simply click on Account > TutorMe. For more information, please contact Kōkua ‘Ike at tutoring@chaminade.edu or 808-739-8305.

Readings & Due Dates

Course content may vary from this outline at the discretion of the instructor to meet the needs of each class. **NOTE:** *Assigned readings, pre-assigned modules, and Study Plan content are to be completed prior to class. Please refer to course Canvas shell pages for complete lesson plan.*

WEEK	Lecture Topics/Assignment **Tuesday**	Lab topics/Assignment **Thursday**
#1 August 20/22 *Course Introduction & Core Concepts in Pharmacology*	**Review of syllabus, discussion of expectations, and supplemental information -> *Canvas*** *Orientation to online resources & login:* ATI Shadow Health DCE: Complete Orientation DUE: A&P Remediation from practice A & B	*Introduction to Pharmacology* **Textbook Reading** • Chapter 1 **MyLab Nursing as assigned** Complete **ATI *Achieve:*** • *Classroom Skills* Tutorial & Tests
#2 August 27/29 *Core Concepts in Pharmacology*	*Drug Approval & Regulation* **Textbook Reading** • Chapter 2 **MyLab Nursing as assigned**	**A & P Proctored Exam** Complete **ATI *Achieve***: • *Study Skills* Tutorial & Tests • *Test-taking Skills* Tutorial & Tests
#3 September 3/5 *Core Concepts in Pharmacology*	*Principles of Drug Administration & Medication Errors & Risk Reduction* **Textbook Readings** • Chapters 3 & 7 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 2 *Safe Medication Administration & Error Reduction*
#4 September 10/12 *Pharmacology & the Nurse-Patient Relationship*	*The Nursing Process in Pharmacology* **Textbook Readings**	Group Collaboration/Lab Exercises ***ATI Pharmacology Made Easy 5.0*** *Tutorial: Introduction to Pharmacology*

	• Chapter 6 **MyLab Nursing as assigned**	
#5 September 17/19 *Core Concepts in Pharmacology*	*Pharmacokinetics* *&* *Pharmacodynamics* **Textbook Reading** • Chapters 4 & 5 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 1 *Pharmacokinetics & Routes of Administration* *Adverse Effects, Interactions, & Contraindications*
#6 September 24/26 *Pharmacology & the Nurse-Patient Relationship*	*The Role of Complementary Alternative Therapies in Pharmacology* **Textbook Readings** • Chapter 10 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 49 *Complementary, Alternative, and Integrative Therapies*
#7 October 1/3 *Pharmacology & the Nurse-Patient Relationship*	*Drug Administration Throughout the Life Span* *&* *Individual Variations in Drug Response* **Textbook Readings** • Chapters 8 & 9 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 6 *Individual Considerations of Medication Administration*
#8 October 8/10	IT'S MIDTERM TIME! Keep Calm and Study ON always believe in yourself good luck! ☺	**Shadow Health DCE:** *Basic Patient Case (John Larsen)* *&* *Basic Math*
#9 October 15/17 *The Nervous System*	*Cholinergic Drugs Affecting the ANS* **Textbook Reading** • Chapter 12 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ***ATI Pharmacology Made Easy 5.0*** *Tutorial: The Neurologic System* *Pt. 1*

#10 October 22/24 *The Nervous System*	*Adrenergic Drugs Affecting the ANS* **Textbook Reading** • Chapter 13 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ==***ATI Pharmacology Made Easy 5.0***== *Tutorial: The Neurologic System Pt. 2*
#11 October 29/31 *The Nervous System*	*Drugs for the Control of Pain* *&* *Substance Abuse* **Textbook Readings** • Chapters 18 & 22 **MyLab Nursing as assigned** **Shadow Health DCE** • *Analgesics Concept Lab*	Group Collaboration/Lab Exercises ==***MyLab Nursing Decision Making Case:***== *Pain* ==***ATI Pharmacology Made Easy 5.0***== *Tutorial: Pain & Inflammation* ATI RN Pharmacology for Nursing: Ch. 12 *Substance Use Disorders* ATI RN Pharmacology for Nursing: Unit 9 *Chapters 36 – 38*
#12 November 5/7 *The Nervous System*	 *Drugs for Seizures* **Textbook Reading** • Chapter 17 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 12 *Chronic Neurologic Disorders*
#13 November 12/14 *The Immune System*	*Drugs for Inflammation & Fever* *&* *Drugs for Immune System Modulation* **Textbook Readings** • Chapters 33 & 34 **MyLab Nursing as assigned**	Group Collaboration/Lab Exercises ATI RN Pharmacology for Nursing: Ch. 33 *Nonopioid Analgesics* ==***ATI Pharmacology Made Easy 5.0***== *Tutorial: The Immune System*

#14 November 19/21	*The Role of CAM Therapies in Pharmacology – Cultural Diversity Presentation*	*The Role of CAM Therapies in Pharmacology – Cultural Diversity Presentation*
#15 November 26/28	<mark>**Shadow Health DCE:**</mark> *Intermediate Patient Case (Tina Jones)* & *Intermediate Math*	
#16 TBA		