



**Chaminade**  
**University**  
OF HONOLULU

### Course Syllabus

[Chaminade University Honolulu](https://www.chaminade.edu/)

3140 Waialae Avenue - Honolulu, HI 96816

**Course Number:** NUR 205

**Course Title:** Pathophysiology/Pharmacology in Nursing

**Department Name:** Nursing

**College/School/Division Name:** School of Nursing & Health Professions

**Term:** Spring 2024

**Course Credits:** 6 credit hours

**Class Meeting Day/Hours:** NUR-205

**Date/Time:** ***Part 1:*** Mondays: 10:30 to 1230 Lunch. Then ***Part 2:*** Mondays: 13:30 to 1650

**Class Location:** Ching #254

**Instructor Name:** Donna M. Bernhard, DNP, APRN-Rx, FNP-BC

**Email:** donna.bernhard@chaminade.edu

**Phone:** 808.256.2083

**Office Location:** Henry Hall #118

**Office Hours:** Tuesdays: 1400 to 1500 (in person), Thursdays: 9 to 11:00: (Via Zoom), and per appointment.

### Instructor and Student Communication

Questions for this course can be emailed to the instructor at [donna.bernhard@chaminade.edu](mailto:donna.bernhard@chaminade.edu) using the Chaminade student email account provided. Demonstrate professionalism by including a subject line that contains **205** and properly summarizes the contents of the message. Proper salutation is appreciated. Online, in-person and phone conferences can be arranged. Response time will take place up to 48 hours on business days, responses may be delayed on weekends or holidays.

**University Course Catalog Description:** <https://catalog.chaminade.edu/course/nursing>

### NUR 205 Pathophysiology/Pharmacology in Nursing (6)

This foundational course combines two related nursing concepts, pathophysiology and pharmacology. Pathophysiology relates manifestations of disease, risk factors for disease, and the principles of pathology underlying illness and injury to therapeutic nursing interventions and outcomes. Pharmacology focuses on the basic drug classification, concepts and principles of pharmacology with an emphasis on clinical applications within the context of the nursing process and prioritization of needs; with special consideration given to the physiological, psycho/social, cultural, and spiritual needs of patients. This course incorporates knowledge and skills from a number of basic science disciplines including anatomy and physiology, biochemistry and cell and molecular biology focusing on their application to clinical practice. The purpose of this course is to provide opportunities to develop the competencies necessary to demonstrate safe medication administration to enhance nursing practice and safeguard patient centered care. Critical and analytical thinking in the application of the nursing process to disease alterations and drug therapy is stressed. Major emphasis will be placed on the role of the nurse in health promotion, disease prevention, maintenance and restoration of wellness in diverse individuals across the lifespan. This course will be used for BSN students entering the accelerated track only.

Corequisites: NUR 207, NUR 200.

**Prerequisites:** BI 151 and BI 151L, BI 152 and BI 152L, MA 100. **Co-requisites:** NUR-204, NUR-207

## **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
5. Educate for adaptation and change

In NUR-205, we strive to provide you with a quality nursing education through the lens of the Marianist value of service, justice, and peace. The following attitudes, skills and knowledge related to social justice are expected in this course: **(The Essentials: Core Competencies for Professional Nursing Education)**

1. Demonstrate the professional standards of moral, ethical, and legal conduct.
2. Assume accountability for personal and professional behaviors.
3. Promote the image of nursing by modeling the values and articulating the knowledge, skills, and attitudes of the nursing profession.
4. Demonstrate professionalism, including attention to appearance, demeanor, respect for self and others, and attention to professional boundaries with patients and families as well as among caregivers.
5. Reflect on one's own beliefs and values as they relate to professional practice.

## **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 ('Olelo 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 ('Olelo 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 ('Olelo 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 ('Olelo 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 ('Olelo No'eau 203) All knowledge is not taught in the same school

## **Course Learning Outcomes**

At the end of this course, the student will demonstrate the ability to:

1. Apply Marianist values and the nursing process to clients receiving drug therapy in order to promote, maintain, and restore health across the lifespan.
2. Demonstrate the collaborative role and responsibility of the nurse in monitoring drug therapy responses across the lifespan.
3. Use evidence to apply best practices in medication management.
4. Apply clinical reasoning skills to link pathophysiology, pharmacology and nursing care using information technology.
5. Use critical thinking processes to apply knowledge of pharmacology to plan safe and effective drug therapy.

### 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

### Alignment of Learning Outcomes

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

### Required Learning Materials

- Adams, M., Holland, L. N., & Urban, C. Q. (2020). *Pharmacology for nurses: pathophysiologic approach*. 6<sup>th</sup> ed. *w/MyLab Nursing*. Pearson. ISBN: 978013949139.
- Shadow Health. (2021). *Pharmacology Digital Clinical Experiences* (Pharmacology DCE – 2021\_10-pharmacology- undergrad) [Computer software]. Elsevier. ISBN: 9780989788830.
- ATI Pharmacology Made Easy.

### Course Website:

The Learning Management System, **Canvas**, is used throughout all nursing courses. 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. Course Website:

<https://chaminade.instructure.com/courses/24745>

### Technical Assistance for Canvas Users:

- Search for help on specific topics or get tips in [Canvas Students](#)
- [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](mailto:helpdesk@chaminade.edu) or call (808) 735-4855

### **Assessments**

**Assessment Technologies Institute (ATI) (CDN)** 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](mailto:helpdesk@atitesting.com).

- **ATI Content Mastery Series:**

- RN Pharmacology for Nursing *Edition 8.0* (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 4.0 (unit specific)

**ATI Pharmacology Made Easy 4.0 tutorial drills and tests:** 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 Digital Clinical Experience (DCE)** 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.

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. You should achieve **100%** on all Concept Labs and **> 80%** on Patient Cases (and Math) to get 100%.

Login page: <http://app.shadowhealth.com>.

- Review requirements: <http://shadow.desk.com/customer/portal/articles/963290-dce-recommended-system-specifications>. Tablets and mobile devices are not currently supported. Recommended web browsers are Google Chrome (preferred) or Firefox. Shadow Health DCE: *Pharmacology*

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

**MyLab Nursing: MyLab** assignments will bring content 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. You should achieve a score of **100%**. The score you earn is the score that will show on your grades in Canvas. <https://youtu.be/8ASStVYG-Fk>

**Teaching-Learning Strategies:**

Class discussion, case studies, audio-visual media, in-class group activities, and virtual clinical simulation.

**Course Requirements/Methods of Evaluation:** Your course grade will be based on the following:

- Preparation & Participation
- Written quizzes
- Midterm & Final comprehensive written examinations
- Specific Seminar/Lab assignments & performance to include Shadow Health DCE
- Case Study Presentation

**Library:** The Sullivan Family Library link is available on the CUH website: <http://www.chaminade.edu/library>  
Phone: (808) 735-4725

**Didactic & Lab Preparation, Participation & Performance:** It is expected that students will 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. It is the responsibility of each student to be engaged in his or her learning. Substantive participation may include but not limited to: participating in class activities, asking relevant questions, adding information in class supported by pertinent reading materials, discussion questions answered, 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/media quizzes, a few unannounced “Apply your knowledge Pop quizzes”, and (2) exams. Question material will cover content from assigned readings (Text and ATI), didactic content/notes/case studies, and ATI Pharmacology Made Easy 4.0 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/exam. Any student who arrives after the quiz/exam 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 which will cover all covered lecture material from weeks 1-16. Exams will be created to reflect both the Program Learning Outcomes (PLO) and Course Learning Outcomes (CLO). Questions will require recall and critical thinking to incorporate application of the nursing process (assessment, diagnosis, outcome identification and planning, implementation, and evaluation).

**Assessment and Course Grading:**

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

List of Assessment	Course Grade %
Quiz 1	15 %
Quiz 2	15 %
Midterm Exam	20 %

Cumulative Final Exam	20 %
ATI/Pharmacology Made Easy	10 %
Shadow Health Assignments	5 %
Case Study Presentation	5 %
MyLab Assignments	5 %
Apply your knowledge Pop Quizzes	5 %
Attendance/Participation	Pass/Fail
Total	100%

### Grading Scale

Letter grades are given in all courses except those conducted on a credit/no credit basis. Grades are calculated from the student's daily work, class participation, quizzes, tests, term papers, reports and the final examination. They are interpreted as follows:

- A Outstanding scholarship and an unusual degree of intellectual initiative (90.0% - 100.0%)
- B Superior work done in a consistent and intellectual manner (80.0%-89.99%)
- C Average grade indicating a competent grasp of subject matter (70.0%-79.99%)
- D Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work 60.0%-69.99%
- F Failed to grasp the minimum subject matter; no credit given (below 59.99%)

### \*Please note the following policy:

- To pass this course, the student must obtain a 75% or higher weighted average on testing assessments (quizzes & exams) in this course.
- **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 score of at least 75% in all testing (including quizzes & exams) in this course, the maximum grade obtained for the course will be a D.

**Testing policy:** Students are expected to take tests on the designated day. In case of an emergency, please contact the instructor **prior** to the test so that an alternate plan can be made. Failure to do so will result in a zero. If a test is to be made up, it must be taken before the next class. Approval for taking a make-up test must be granted by the instructor. If a lab is missed the student must arrange with the instructor for an alternative plan.

**No Rounding of grades: If a student earned a final percentage grade of 69.99%, the final score will NOT be rounded to 70.**

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 for the purpose of ensuring academic integrity during the testing process.

## Course Policies

All policies stated in the Chaminade University Student Handbook [Link](#) and Chaminade University School of Nursing and Health Professions BSN Student Handbook [Link](#). are in effect in this course.

### Academic Conduct Policy

Nursing students are responsible for promoting academic honesty in all educational settings. ***Any behavior that impedes assessment is considered academic dishonesty by the CUH SONHP.*** Nursing students represent Chaminade University and the School of Nursing 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 to an instructor or to a university official. Please refer to “*Professional Behavior*” in the **Nursing and Health Professions BSN Student Handbook** [Link](#) for an in-depth explanation.

### Late Work Policy

It is expected that assignments will be submitted on time. Late assignments are highly discouraged. Students (at an instructor’s discretion) may ask for 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 in 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.

### Grades of "Incomplete"

See **Nursing and Health Professions BSN Student Handbook** [Link](#).

### Writing Policy

All submitted papers must be in an acceptable format per course coordinator. Papers are to be written in a scholarly manner, formatted in APA style. Refer to APA guidelines.

### Cell phones, tablets, and laptops

Out of consideration for your classmates, please set your cell phone to silent mode during class. Students are encouraged to bring laptops or tablets to class as the instructor will assign online activities and readings that will require the use of a laptop or tablet. Laptops and tablets should not be misused, such as checking distracting websites. Use your best judgment and respect your classmates and instructor.

Laptops and tablets should not be misused, such as checking distracting websites or 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.*** Use your best judgment and respect your classmates and instructor.

## University Information

### Disability Access

If you need individual accommodations to meet course outcomes because of a documented disability, please speak with me to discuss your needs as soon as possible so that we can ensure your full participation in class and fair assessment of your work. Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from Kōkua 'Ike: Center for Student Learning by the end of week three of the class, in order for instructors to plan accordingly. If a student would like to determine if they meet the criteria for accommodations, they should contact the Kōkua 'Ike Coordinator at (808) 739-8305 for further information ([ada@chaminade.edu](mailto:ada@chaminade.edu)).

### Title IX Compliance

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

### Attendance Policy

Students are expected to regularly attend all courses for which they are registered. Student should notify their instructors when illness or other extenuating circumstances prevents them from attending class and make arrangements to complete missed assignments. Notification may be done by emailing the instructor's Chaminade email address, calling the instructor's campus extension, or by leaving a message with the instructor's division office. It is the instructor's prerogative to modify deadlines of course requirements accordingly. Any student who stops attending a course without officially withdrawing may receive a failing grade.

Unexcused absences equivalent to more than a week of classes may lead to a grade reduction for the course. Any unexcused absence of two consecutive weeks or more may result in being withdrawn from the course by the instructor, although the instructor is not required to withdraw students in that scenario. Repeated absences put students at risk of failing grades. **You must email the instructor prior to class if you have any emergencies that will affect your attendance.**

Students with disabilities who have obtained accommodations from the Chaminade University of Honolulu Tutor Coordinator may be considered for an exception when the accommodation does not materially alter the attainment of the learning outcomes.

Federal regulations require continued attendance for continuing payment of financial aid. When illness or personal reasons necessitate continued absence, the student should communicate first with the instructor to review the options. Anyone who stops attending a course without official withdrawal may receive a failing grade or be withdrawn by the instructor at the instructor's discretion.

### Student Conduct Policy

Campus life is a unique situation requiring the full cooperation of each individual. For many, Chaminade is not only a school, but a home and a place of work as well. That makes it a community environment in which the actions of one student may directly affect other students. Therefore, each person must exercise a high degree of responsibility. Any community must have standards of conduct and rules by which it operates. At Chaminade, these standards are outlined so as to reflect both the Catholic, Marianist values of the institution and to honor and respect students as responsible adults. All alleged violations of the community standards are handled through an



established student conduct process, outlined in the Student Handbook, and operated within the guidelines set to honor both students' rights and campus values.

Students should conduct themselves in a manner that reflects the ideals of the University. This includes knowing and respecting the intent of rules, regulations, and/or policies presented in the Student Handbook, and realizing that students are subject to the University's jurisdiction from the time of their admission until their enrollment has been formally terminated. Please refer to the Student Handbook for more details. A copy of the Student Handbook is available on the Chaminade website under Student Life. [Link](#)

For further information, please refer to the Chaminade Catalog ([Link](#))

### **Credit Hour Policy**

The unit of semester credit is defined as university-level credit that is awarded for the completion of coursework. One credit hour reflects the amount of work represented in the intended learning outcomes and verified by evidence of student achievement for those learning outcomes. Each credit hour earned at Chaminade University should result in 45 hours of engagement. This equates to one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester, 10-week term, or equivalent amount of work over a different amount of time. Direct instructor engagement and out-of-class work result in total student engagement time of 45 hours for one credit.

The minimum 45 hours of engagement per credit hour can be satisfied in fully online, internship, or other specialized courses through several means, including (a) regular online instruction or interaction with the faculty member and fellow students and (b) academic engagement through extensive reading, research, online discussion, online quizzes or exams; instruction, collaborative group work, internships, laboratory work, practica, studio work, and preparation of papers, presentations, or other forms of assessment. This policy is in accordance with federal regulations and regional accrediting agencies.

This is a six-credit hour course requiring 270 clock hours of student engagement per the official CUH Credit Hour Policy. Students enrolled in this course are anticipated to spend 75 hours in class, 45 hours working on Pathopharm specific assignments including ATI, MyLab, and Shadow Health. Quizzes, midterm and final exams require studying of approximately 40 hours total. There will be an additional 110 hours of work required beyond what is listed here (course readings, homework assignments, case studies, etc.), averaging 7 hours each week.

### **Tutoring and Writing 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 Account – Notifications – TutorMe. For more information, please contact Kōkua 'Ike at [tutoring@chaminade.edu](mailto:tutoring@chaminade.edu) or 808-739-8305.

### **Counseling Center Services**

**Counseling Sessions:** Students may receive approximately 10 sessions of counseling free of charge during their academic career. If a student requires sessions beyond what the Counseling Center can provide for them, referrals to community resources are available.

**Population Served:** Students must be actively enrolled full-time or part-time as an undergraduate or graduate student for the term they are requesting counseling services for.

**Services Provided:** Individual and couples counseling, crisis management, psycho-education, outreach, referrals to community providers/resources, and consultative services in-person, video- conferencing, and via telephone.

**PLEASE NOTE:**

*While every attempt has been made to prepare this syllabus and class schedule in final form, it may be necessary for the course leader to make changes as may be deemed essential to meet the learning outcomes of the course. Students will be notified in writing via Chaminade email of any changes. It is recommended that you check email and course site frequently for announcements. All students will be held responsible to read, understand, and clarify the content within this document.*