Course Syllabus
[Chaminade University Honolulu](#)
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: Fall 2022
Course Credits: 6 credit hours
Instructor Website: https://chaminade.instructure.com/courses/22794

Class Meeting Day/Hours: NUR-205-01-1: Wednesdays: 11:30 to 14:00
Lab/Seminar Meeting Day/Hours: NUR-205-01: Wednesdays: 1530 to 1800

Class Location: TBD

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: Mondays: 9 to 13:30, Thursdays: 9 to 11:30: (Via Zoom). Wednesdays before and after class (in-person).

Guidelines for Communication:

Email: use the Chaminade email account provided. Always include a subject line such as NUR 205 and add the topic of the email. Use standard fonts; special formatting such as centering, audio messages, and tables should be avoided. Send an attachment with the email if the above items need to be shared. Classroom correspondence should be conducted using the Canvas email function.

University Course Catalog Description

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.

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. With effective communication practices, demonstrate the collaborative role and responsibilities of the nurse in monitoring drug therapy responses across the lifespan
3. Use evidence to apply best practices in medication administration.
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

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

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 ʻOlelo Noʻeau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua (ʻŌlelo Noʻeau 364) May I live by God
2. Provide an Integral, Quality Education (Naʻauao) Lawe i ka maʻalea a kūʻonoʻono (ʻŌlelo Noʻeau 1957) Acquire skill and make it deep
3. Educate in Family Spirit (ʻOhana) ʻIke aku, ʻike mai, kōkua aku kōkua mai; pela iho la ka nohana ʻohana (ʻŌlelo Noʻeau 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 noʻeau (ʻŌlelo Noʻeau 1430) Education is the standing torch of wisdom
5. Educate for Adaptation and Change (Aina) ʻAʻohe pau ka ʻike i ka hālau hoʻokahi (ʻŌlelo Noʻeau 203) All knowledge is not taught in the same school

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

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

Required Learning Materials

Adams, M., Holland, L. N., & Urban, C. Q. (2020). *Pharmacology for nurses: pathophysiologic approach*. 6th 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.

Course Website:

The Learning Management System, ***Canvas***, is used throughout all of the nursing courses. Course website address: https://chaminade.instructure.com.   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 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 or call (808) 735-4855

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.

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. 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.

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](tel:8002229570).

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

Required Resources:
- ***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)
- MyLab Nursing (Pearson bundle)
- Shadow Health DCE: *Pharmacology*

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

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

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. Quizzes will be taken at the beginning of your seminar/lab class on ATI. 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. 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 which will cover all covered lecture material from weeks 8-16. 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:

Written Quizzes (x2)	50 points	30%
Mid-term exam	50 points	25%
Final exam	50 points	25%
Shadow Health Performance (x4)	400 points	10%
ATI/Pharmacology Made Easy	12 points	10%
Didactic Attendance/Participation	Rubric	Pass/Fail
Lab Attendance/Participation	Rubric	Pass/Fail
	562 points	**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 class preparation and participation, assignments, quizzes, and exams. They are interpreted as follows:

A Outstanding scholarship and an unusual degree of intellectual initiative (90-100%)
B Superior work done in a consistent and intellectual manner (80-89%)
C Average grade indicating a competent grasp of subject matter (70-79%)
D Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work (60-69%)
F Failed to grasp the minimum subject matter; no credit given (59% and below)

OF NOTE: scores will not be rounded up **(i.e., 69.9% is 69% = D) & there are no extra credit allowances**

Please note the following policy:
- To pass this course, the student must obtain a 75% or higher weighted average on the examinations (including 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 examinations (including quizzes) in this course, the maximum grade obtained for the course will be 69%.

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.

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 95%. *Any posttest can be repeated one time.* Students earning below 95% 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.

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 (https://chaminade.edu/advising/kokua-ike/) for the latest times, list of drop-in hours, and information on scheduling an appointment. Free online tutoring is also available via TutorMe. TutorMe 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 or 808-739-8305.

COURSE POLICIES: **All policies stated in the Chaminade University and Chaminade University School of Nursing Handbook are in effect in this course.**

Academic Honesty: Nursing students are responsible for promoting academic honesty in all educational settings. ***Any behavior that impedes assessment is considered academic dishonesty by the CUHSON.*** 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 Behaviors*" in the 2020-2021 Student Handbook for an in-depth explanation.

> *"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 Academic Division. Punishment for academic dishonesty will*
> *be determined by the instructor and the Dean of the Academic Division*
> *and may range from an 'F' grade for the work in question, to an 'F' for the*
> *course, to suspension or dismissal from the University."*

Course Atmosphere: There will be ample opportunity for discussion and small group work in both the lecture and lab sections of the course. Everyone will be expected to complete the required reading and preparation; participation is needed so that everyone benefits from the sharing and trust that occurs. It is important that students come to class and lab prepared and ready to fully engage in learning.

Cell phones: Use of music devices and cell phones are ***prohibited*** during all Nursing classes at Chaminade, ***unless specifically permitted by your instructor***. Use of cell phones and music devices in the laboratory, simulation, or clinical settings is a safety and privacy issue. In addition, use of cell phones and music devices in any class is discourteous and may lead to suspicion of academic misconduct. Students who cannot comply with this rule will be asked to leave class and may receive unsatisfactory performance for that day. Please refer any questions to the Dean of Nursing & Health Professions.

Laptops: maybe used in class for taking notes and for class activities as directed by the instructor. Any student found using the laptop in class for activities other than related class work (e.g. completing a paper form another course, social networking, etc.) will be prohibited from using the laptop in class.

Attendance: Students are expected to attend regularly 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.

Academic Honesty Policy

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 further information, please refer to the Student Handbook: https://chaminade.edu/current-students/

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.

Assignments: 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**, s**tudents 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.

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.

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 the Counseling Center 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).

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.

Compliance information: The Compliance website serves as a resource for compliance matters, including Title IX/Nondiscrimination, the Hawaii Post-Secondary Education Authorization Program, and human resource and employment policies. The Executive Director for Compliance and Personnel Services oversees university-wide efforts to meet compliance standards set forth by University policies and Federal and State regulations. Grievances, violations or suspected violations of these policies may be submitted by the complainant or may be submitted anonymously to the Executive Director of Compliance and Personnel Services. Reports of violations or suspected violations will be kept confidential to the extent possible, consistent with the need to conduct an adequate investigation. Mechanisms in which to file a grievance can be found at the following website link: https://compliance.chaminade.edu/resources

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.

Goals of the Bachelor of Science in Nursing Program

The goals of the Bachelor of Science in Nursing (BSN) program are congruent with the University's academic vision, and are to:

1. Provide an academic program leading to a baccalaureate degree in nursing, in which students are able to achieve the knowledge, skills, and Marianist values necessary for professional nursing practice and leadership in health care;

2. Ensure an educational foundation in the biological, physical, and social sciences as well as in the humanities, all of which are essential to professional nursing practice;

3. Foster an attitude of intellectual and critical inquiry that promotes evidence-based practice;

4. Provide an educational experience that emphasizes engagement of students through active experiential learning;

5. Create a collegial environment that fosters professional development of students including life-long learning, scholarship, and leadership;

6. Prepare students for professional nursing roles in a dynamic health care environment;

7. Prepare students to sit for the NCLEX-RN examination and practice as professional Registered Nurses; and

8. Provide a foundation for graduate study and leadership at the bedside and in the community