



22 Spring Semester

Practical Nurse Pharmacology I

PNC 112.I62

Number of Credits: 2

Contact Hours: 30 hours (2 BCH) of class

Meeting Times: Virtual Meeting Thursdays 10:00am – 11:00 am ; Exams Thursdays

Location: Online

Instructor: Crystal Miller, MSN, RN

Contact Phone: (517) 796-8629 (Not in use when not on Campus)

Contact Email: millercrystal01@jccmi.edu (Best method for communication)

Online Office Hours: by appointment only via Big Blue Button

Course Description

This course introduces the PNC student to basic principles of drug actions and nursing implications within the nursing process framework. Students will develop safe medication practices and accurate drug dosage computation skills in a culturally sensitive, client-centered manner.

Prerequisite(s)

- PNC 111 Skills Lab

Co-Requisite(s)

- PNC 110 Foundations

Lecture Schedule

WEEK #	DATE	TOPIC	HOMEWORK
1	5/1/22 – 5/7/22	Introduction/Orientation Chapter 1: Pharmacology & The Nursing Process in LPN Practice Chapter 2: Legal, Regulatory, & Ethical Aspects of Drug Administration	Chapter Review
2	5/8/22 – 5/14/22	Chapter 3: Principles of Pharmacology Chapter 4: Drug Calculation	Chapter Review; Dosage Calculation Assignment
3	5/15/22 – 5/21/22	Chapter 5: Drugs for Bacterial Infections Chapter 6: Drugs for Tb, Fungal, & Parasitic Infections Exam 1	Chapter Review
4	5/22/22 – 5/28/22	Chapter 7: Drugs for Viral & Retroviral Infections Chapter 20: Over-The-Counter Drug Therapy Dosage calculation competency quiz	Chapter Review
5	5/29/22 – 6/4/22	Chapter 8: drugs for allergy & respiratory problems Chapter 9: drugs affecting the renal/urinary & cardiovascular systems Exam 2	Chapter Review
6	6/5/22 – 6/11/22	Chapter 10: Central Nervous System Problems Chapter 19: Drugs for Eye & Ear Problems	Chapter Review
7	6/12/22 – 6/17/22	Exam 3	

Program Learning Outcomes

Program Learning Outcomes	Level 1 Learning Outcomes	Student Learning Outcomes
Upon successful completion of the program, the graduate will:	Upon successful completion of the level, the student will:	Upon successful completion of the course, the student will:

<p>Human Flourishing:</p> <p>The graduate will advocate for human dignity, integrity, self-determination, and personal growth of culturally diverse clients, oneself, and members of the health care team.</p>	<p>Human Flourishing:</p> <p>Recognize the importance of individualized care that promotes human dignity, integrity, self-determination and personal growth of culturally diverse clients, oneself, and members of the health care team.</p>	<p>Human Flourishing:</p> <p>Describe culturally sensitive care that is based on the individual pharmacological needs of clients from various cultural groups.</p>
<p>Program Learning Outcomes</p>	<p>Level Learning Outcome</p>	<p>Student Learning Outcome</p>
<p>Nursing Judgment:</p> <p>The graduate will function within their scope of practice, utilize the health care delivery system guidelines, and the predefined, individualized plan of care to provide safe, quality, client centered care within a defined family unit.</p>	<p>Nursing Judgment:</p> <p>Demonstrate the role of the Practical Nurse in providing geriatric client centered care utilizing Maslow's Hierarchy of Needs and the nursing process to develop a fundamental understanding of the art and science of nursing.</p>	<p>Nursing Judgment:</p> <p>Recognize the role of the Practical Nurse in providing safe medication practices in the healthcare setting.</p>
<p>Professional Identity:</p> <p>The graduate will assess how one's personal strengths and values affect one's identity as a nurse through reflective practice and lifelong learning to become a contributing member of the interdisciplinary health care team.</p>	<p>Professional Identity:</p> <p>Demonstrates the role of the Practical Nurse according to defined legal and ethical standards as a fundamental level and identify the need for lifelong learning.</p>	<p>Professional Identity:</p> <p>Identify the role of the Practical Nurse according to professional standards and legal scope of practice regarding medication administration.</p>
<p>Spirit of Inquiry:</p> <p>The graduate will question the basis for nursing actions and traditions, participate in Quality improvement initiatives, and consider research and evidenced-based practice to improve client centered care.</p>	<p>Spirit of Inquiry:</p> <p>Describe evidence-based practice in nursing including the rationale for its use.</p>	<p>Spirit of Inquiry:</p> <p>Recognize evidence-based practice and research that guides safe medication administration within the healthcare system.</p>

Student Learning Outcomes

Student Learning Outcomes	Behavioral Competencies
Upon successful completion of the course, the student will:	
Human Flourishing: Describe culturally sensitive care that is based on the individual pharmacological needs of clients from various cultural groups.	Human Flourishing: Identify the influence of culture on pharmacological choices and teaching needs to support regimens.
Nursing Judgment: Recognize the role of the Practical Nurse in providing safe medication practices in the healthcare setting.	Nursing Judgment: <ol style="list-style-type: none"> 1. Demonstrate knowledge of common drug classes and the skills and attitudes to safely administer medications. 2. Explain the use of the nursing process in pharmacological therapy. 3. Demonstrates accuracy in drug dosage calculations.
Professional Identity: Identify the role of the Practical Nurse according to professional standards and legal scope of practice regarding medication administration.	Professional Identity: Describe the legal and ethical responsibilities of the practical nurse when administering medications.
Spirit of Inquiry: Recognize evidence-based practice and research that guides safe medication administration within the healthcare system.	Spirit of Inquiry: Recognize and identify ongoing evidence-based initiatives in the medical pharmacological environment.

Textbook

Hosler, C.V.C.Z. S. (2022). *Introduction to Clinical Pharmacology* (10th Edition). Elsevier Health Sciences (US). ISBN: 9780323755375

BibliU Textbook Program

- For more information on the BibliU Program, you can view the Textbook Program BibliU link provided.

Please review the cost of your required materials to determine the best option for you to purchase your materials.

If after reviewing the costs, you choose to opt out, you may do so here:

<https://www.jccmi.edu/bookstore/textbook-program/>.

Please note your opt out selection is for your entire semester schedule. You cannot opt out and opt into individual courses. And you must opt out by the due date for your first class, which is the 3rd day after the start of your earliest course. If you have questions about materials, please contact the Jackson College Follett bookstore at jackson@bkstr.com. For account billing questions, please contact the Jackson College Cashier at jccashier@jccmi.edu.

Student Evaluation Criteria

The grade that the student earns will be determined from the examinations, quizzes, and any other assignments that are part of the course. An unsatisfactory performance in theory will constitute failure in the course.

UNIT EXAMS:	A schedule of theory topics, readings and exams will be distributed in the first week of class.
DOSAGE CALCULATION COMPETENCY QUIZZES:	Score does not count towards course grade; Up to 3 attempts given; Students must earn a $\geq 90\%$ score to pass this course
OTHER ASSIGNMENTS:	Chapter Reviews
OTHER:	*See the Nursing Handbook for evaluations behaviors based on the Code of Nursing.

Grading Scale

The total number of points on the examinations or other assignments will be cumulative and a percentage computed to figure the final grade. BUT there will be two scores computed for Practical Nurse Pharmacology, one score based on three Unit Exams and then a cumulative grade that includes the other assignments. The cumulative grade will be the final grade for the class if the student passes the test component (Exams). The student must receive an average grade of at least 78% on the Unit Exams in order to pass Practical Nurse Pharmacology I. If the student receives less than a 78% on the Unit Exams or fails to achieve a $\geq 90\%$ on the math competency, she/he will receive a 1.5 grade regardless of the cumulative grade in the course unless the earned cumulative grade is lower than 73% in which case the lower earned grade will be given. This is necessary because it has been shown that students that do not

pass tests at this minimal level in the nursing program do not pass the NCLEX-PN examination - the national licensure examination.

The grading scale for the course is as follows:

<u>GPA</u>	<u>GRADE RANGE</u>
4.0	94 -100%
3.5	90 - 93%
3.0	86 - 89%
2.5	82 - 85%
<u>2.0</u>	<u>78 - 81%</u>
1.5	74 - 77%
1.0	70 - 73%
0.5	66 - 69%
0.0	< 66%

Each test will be graded utilizing the above Nursing Department grading scale. When calculating final grades if the percentage includes a decimal, 0.5 or more the grade will be rounded up to the next whole number (e.g. 83.5=84). If a decimal grade of 0.4 or less is calculated the grade will be rounded down to the nearest whole number (e.g. 83.4 = 83). If the faculty decides that a test question is not valid, everyone in the course receives one point for that question whether they got the question “right or wrong”. (This is not an additional point if the question was scored as being correct. If the questions were answered correct by the student, they will not receive an additional point).

Jackson College Nursing Student Handbook – PN-C

All students enrolled in the JC nursing program receive a virtual copy of the JC Nursing Handbook and the most updated JC Nursing Handbook is located on the Jackson College Website. All PN-C students are responsible for accessing and reviewing the general policies and procedures section of the current online edition of the Nursing Student Handbook at the beginning of each course.

- Attendance Policy
- Cell Phones
- Testing – Course Exams

- o Testing Guidelines for Students
- o Online Testing Guidelines
- o Test Make-Up
- o Dosage Calculation Competency Policy
- Academic Integrity and Honesty Policy
- Civility
- Uniform Policy
- Simulation Expectations
- Smoking
- Mandatory Health Data/CPR Certification
- Student Health Issues/Latex Allergy
- Exposure Incidence and Diseases
- Accidents (Including Needle Sticks)

Link to Handbook: <https://www.jccmi.edu/wp-content/uploads/Nursing-PN-C-Handbook.pdf>

Student Responsibilities: Class Requirements

Attendance

Attendance in class is not required, but it is HIGHLY recommended. Students will be **required** to log into the course weekly and complete the assignments. The instructor will hold a virtual session each Thursday from 10:00am – 11:00am except June 2nd will be held at 2:30pm. Exams will be given on Thursdays at 9:00am with the exception of exam #2 given on June 2nd at 1:30pm. A Dosage Calculation Competency quiz will be given on May 26th at 9:00am. Lecture content will be delivered through voice-recorded PowerPoint presentations. The presentations will be uploaded and ready to view by Monday morning of each week. Students are responsible for downloading and watching the lectures. Students are responsible for all content delivered during the voice-recorded lectures, course meetings, and through additional assignments.

Assignments

Assignments: The weekly assignments will be due **Saturday by 11:59 pm** and due dates for all assignments are located on the PNC 112 Grade Tracker. Students who do not submit class assignments by the due date and time will receive no credit. No make-up assignments will be allowed.

Course Communications

Course communications will be made through JetNet and the Jackson College email system. All students must utilize their JC email when sending email communications to faculty regarding the course. When sending an email to your faculty the expectation is that you send a professional email with a greeting and information regarding why you are sending an email.

Written Work

Written/typed work should be neatly done using proper grammar, spelling and punctuation, and sentence structure. Written/typed work with three or more spelling errors or with improper sentence structure will be unsatisfactory.

Reading Assignments

Reading assignments (text, assigned articles, handouts, etc.) should be read for understanding before the class for which they are assigned. Class discussions and critical thinking exercises will be based on the student coming prepared to class. Students are encouraged to bring questions to class. Some questions, however, will be best answered following class because of limited class time.

Testing

Testing will be done from content objectives found under each week on the JetNet Course page. A student will be allowed to take a make-up test only 1 time without penalty. Cell phones and apple watches may not be out during testing or while reviewing an exam. If a student is found to have a cell phone out during testing or during test review the student will receive a zero on the test in question.

All students will need to prepare their technology now for vigorous use in the coming weeks. Each student must secure a plan for the regular use of a device with camera capabilities for testing, as this will be the primary source of attendance and participation in the course and getting credit for testing. Cameras will be a requirement for testing throughout the remainder of the online delivery of learning. CNEA accreditation mandates every test to be carried out using video recording technology.

To protect the fairness and integrity of the exams, students will be required to take exams using Respondus Lockdown Browser and Monitor. This is an online test proctoring software that requires a download to your computer. If two programs for lockdown and video capture cannot run at the same time on one device, students will need to record themselves during timed testing on a separate machine in which faculty can monitor them using Big Blue Button. Video review by faculty is a requirement for every online exam given. If students do not have a laptop equipped with camera capabilities, they may use a cell phone while testing to record themselves while using a separate device for online testing. Each video testing event is recorded and saved to a file by faculty members through Big Blue Button, housed on JetNet, and kept as a part of the permanent recorded delivery method of each exam. Training and practice of Respondus technology will be provided in advance of the first exam. A Mac or PC that has a webcam and microphone is required to use Respondus. If you do not have this technology, please contact your instructor right away.

Testing will occur on the following dates:

- Thursday, May 19th – 9:00am (Exam 1)
- Thursday, May 26th – 9:00am (Dosage Calculation Competency Quiz #1)
- Thursday, June 2nd – 1:30pm (Exam 2)

- Thursday, June 16th – 9:00am (Exam 3)

***Testing dates and times are subject to change per the discretion of the instructor.

Students will not be allowed to review the tests that are in the online course format. Students can make an appointment with the faculty member to review test question concepts, but specific test questions will not be reviewed to maintain test integrity. Students will have one week to review test concepts. If a student has a question or concern regarding the test or a test question a student needs to complete a Test Inquiry Form within one week of the test. Students will not be allowed to complete a Test Inquiry Form or review test concepts after the review timeframe has expired.

Timed Testing

Students will be given one minute and 30 seconds per questions when taking a test. This means that if the test is 50 questions, there will be 75 minutes to complete the test. If the student comes late when a test is being administered, the student will have the option of taking the test as defined below in Test Make-Up where it will be timed or taking it in the classroom with the reduced amount of time that is remaining when the student arrives. The reason for this limitation is to prepare the student for the timed NCLEX-PN examination. Students need to learn how to pace themselves as they take a test to ensure that they finish on time.

Test Make-Up

Test Make-Up: A student will be allowed to take a make-up test only 1 time without penalty. If the student is taking a second test outside of the scheduled testing timeframe, 5% will be subtracted from the test score. If the student takes a 3rd test outside of class, 10% will be subtracted from the test as will any further outside of class tests.

Students are strongly encouraged to be present for all tests. Students must notify the instructor before the test is to be given unless there is an unforeseen event that they will be absent and acknowledge that they will make up the test. The student must make up the test before their next class period unless other arrangement are made.

Grading Tests

When grading tests, faculty reserves the right to not count questions that they deem are not of good quality. In this situation, all answers will be accepted for the question(s) discarded. No additional point will be given to the student who had the question “right” prior to it being discarded. Calculation and Select-All-That-Apply (SATA) questions are not eligible to be discarded.

SATA Questions

The Moodle testing format awards partial credit for SATA questions. Partial credit will not be awarded for SATA questions. Students must select only the correct responses to earn credit on these questions. When a test is completed on Moodle students need to be aware the posted score is considered a “raw” score. SATA questions will be hand-graded once the test is complete which may result in the test score going down. There will be SATA questions on every test.

Instructional Methods

Theory

- Collaborative/group work
- Lecture/PowerPoints
- Discussion
- Assigned readings
- Assignments

Available Learning Services

Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the Office of Learning Support Services as soon as possible to ensure that such accommodations are implemented in a timely fashion."

Tutors are sometimes available through Center for Student Success in Bert Walker Hall for Nursing. The Center for Student Success can help students with academic and personal problems. If you feel the need to talk with the faculty, their office hours are available and posted on their office doors. Keeping communication open assists both student and faculty.

Accessibility

Jackson College understands that cultivating a broadly diverse community is crucial to our educational mission and to our foundational commitment to leadership and service. Jackson College is fully committed to ensuring our courses are accessible to everyone including those with disabilities. We are currently working to increase accessibility and usability of our course materials in order to meet or exceed the requirements of Section 508 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1991 and Web Content Accessibility Guidelines (WCAG) 2.0. For more information about Jackson College's efforts to ensure accessibility please visit the Jackson College accessibility web page.

If you have an accessibility need in any of our classes, please e-mail the Center for Student Success at JCCSS@jccmi.edu or visit the Center for Student Success web page.

Support

At the Center for Student Success (CSS), we are committed to providing all students the opportunity to achieve academic success by providing a variety of support services free of charge to Jackson College students. This includes, but is not limited to, peer and faculty tutoring, mental health referral, temporary assistance with transportation, various workshops/seminars, and the TRIO program.

In addition, the CSS staff is committed to adapting the College's general services to meet the individual needs of otherwise qualified students with disabilities, for the purpose of providing equal access to all programs and facilities.

Oasis Center

During a student's college experience, one might encounter situations that impact their learning environment. When these situations occur, support from the Oasis Center is available to provide short-term assistance. If the situation requires ongoing support, the Oasis Center staff can provide that level of support or will assist the individual in securing an outside agency to provide it.

For more information visit the Jackson College Oasis Center webpage <https://www.jccmi.edu/the-oasis-center/>

Health Clinic

Jackson College has partnered with Henry Ford Allegiance Health to offer healthcare to Jackson College students and employees. The Jackson College Health Clinic (JCHC) is located on Central Campus in the Justin Whiting Hall, Room 111. The caring and professional staff at the JCHC provides quality healthcare, including annual exams (physicals, program physicals and sports physicals), acute and chronic illness care and preventative health care (It's Your Life).

For more information visit the Jackson College Health Clinic webpage <https://www.jccmi.edu/health-clinic/>

Dental Clinic

Community members may utilize Jackson College Dental Hygiene Clinic, which offers dental hygiene services while helping students gain experience. Students work under the supervision of license dental hygiene instructor and dentist as they offer preventative services.

For more information visit the Jackson College Dental Clinic webpage <https://www.jccmi.edu/dental-hygiene/dental-hygiene-dental-clinic/>

Help

Available learning services or opportunities for students seeking help with their course work. May include information about tutors, learning centers, reserved library materials, counseling services.

Academic Advising

Student success navigators serve not only as academic advisors but as a student's academic, financial, and total resource advocate or coach.

Students will have an assigned navigator to meet with for advising and any questions they may have. Navigators will serve as the "go-to" person to help students throughout the college experience.

It is important to know your Student Success Navigator. You may find your Navigator by visiting this website <https://www.jccmi.edu/academics/academic-advising/> and click on your pathway. You should also receive an email from your Navigator at the beginning of the semester.

Technical Assistance

For technical assistance, please contact the Jackson College Solution Center. All technical work requests are initiated through the following venues:

- E-mail: jcsolutioncenter@jccmi.edu
- Phone: 517.796.8639
- Walk-in: Atkinson Hall, Room 203

Attendance Policy

In compliance with Federal Title IV funding requirements, as well as college initiatives, instructors will take attendance at each scheduled meeting time. Students will be automatically dropped if, within the first week of class, they do not attend class or do not engage in academic activity of an online class. If a student has not engaged in academic activity over a two-week timeframe, instructors will input a last date of attendance for that student, who will then be administratively withdrawn.”

Nursing Progression Policy

See the Nursing Handbook for progression policies. The student must earn a 2.0 grade in Theory to pass the course. Students who withdraw or fail this course cannot progress into PNC 110 – Foundations or PNC 113 – Pharmacology II. Consult the handbook for current Progression/Readmission policy.

Retention Action Plan

- It is in the student’s best interest to seek the needed assistance early.
- Students scoring < 78% on any lab quizzes are advised to make an appointment with an instructor. The quiz will be reviewed for questions that were answered incorrectly, the instructor will review questions concepts with the student. No review of actual questions will be permitted.
- Study and test taking skills will be explored.

Point Summary

Test Component: 85% of grade

78% average required on exam component to pass course.

TESTS	Possible Points	Earned Points	Total Possible Points	Total Points Earned
Exam 1	50		50	
Exam 2	50		100	
Exam 3	50		150	
Dosage Calculation Competency Quiz	NO POINTS		50	*Must earn at least a 90% to pass course; Maximum 3 attempts
78% must be achieved on in class exams to pass the course			Test %- ÷ total earned points by 150	Multiple test % by 0.85 for 85% total.

Assignments: 15% of grade

Assignments	Possible Points	Earned Points	Total Possible Points	Total Point Earned
Dosage Calculation Assignment #1				
Chapter 1 Review Assignment				
Chapter 2 Review Assignment				
Chapter 3 Review Assignment				
Chapter 4 Review Assignment				
Chapter 5 Review Assignment				
Chapter 6 Review Assignment				
Chapter 7 Review Assignment				
Chapter 20 Review Assignment				
Chapter 8 Review Assignment				

Assignments	Possible Points	Earned Points	Total Points Possible	Total Points Earned
Chapter 9 Review Assignment				
Chapter 10 Review Assignment				
Chapter 19 Review Assignment				
Students must achieve 78% on exams prior to adding additional points			Assignments % - ÷ total earned points by 145	Multiple other % by 0.15 for 15% total

Add course testing components and assignments percentages together

Calendar

MONDAY 05/09/2022	START OF SUMMER SEMESTER
MONDAY 05/30/2022	MEMORIAL DAY HOLIDAY-NO CLASSES (5/28-5/30/2022)

COURSE SYLLABUS ATTESTATION FORM

PNC 112 Practical Nurse Pharmacology I

___ I have read the complete syllabus, weekly schedule and reviewed all resource materials for PNC 112 including the Nursing Department Testing Guidelines for Students.

___ I have reviewed the JC Nursing Handbook Simulation & Social Media Policy as it relates to this course. I will adhere to the guidelines for Responsible Use of Technology at Jackson College at all times while I am a student of the nursing program. I understand if I violate these policies I may be dismissed from the course and/or nursing program.

___ I understand that all types of electronic devices may not be appropriate at certain times within this course and that it is not permissible to take photos of any course PowerPoints, or any other form of lecture/online materials without expressed permission from my instructor. Failure to abide by this policy may result in dismissal from the course.

___ All my questions related to course resources have been answered at this time. I understand the information contained within the resources and will adhere to any additional course, JC Nursing Department and, or College policies not mentioned in this document that may apply to my status as a student in PNC 112.

Signature: _____ Date: _____

[Please click on the following link by **May 6th, 2022** for electronic submission of the syllabus attestation] <https://forms.office.com/r/Ht1rjMx2nV>

Reviewed/Revised; C. Miller: 4/2022