



Palm Beach Atlantic
UNIVERSITY

“You are the salt of the earth. But if the salt loses its saltiness, how can it be made salty again? It is no longer good for anything, except to be thrown out and trampled underfoot. You are the light of the world. A town built on a hill cannot be hidden. Neither do people light a lamp and put it under a bowl. Instead they put it on its stand, and it gives light to everyone in the house. In the same way, let your light shine before others, that they may see your good deeds and glorify your Father in heaven.” Matthew 5: 13-16

Course Number and Title: NUR 3013 - Pathophysiology & Pharmacology I

Credit Hours: 3 Credit Hours

Placement: Junior Year, Spring 2021

Faculty: **Jennifer Fleigelman, MSN, RN**
Title: Adjunct Professor of Nursing
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Course Description:

This course is the first part of a two course comprehensive study of human pathophysiology and pharmacology appropriate to the professional nurse. This course supports NUR 3123 Medical Surgical Nursing 1 Theory by applying pathophysiologic and pharmacologic processes to the care and promotion of wellness across the lifespan. Major drug classes and prototypical drugs are presented with specific application to nursing care within the nursing process.

Prerequisites: NUR 2003; NUR 2023; NUR 2004; NUR 2012

Co requisite: NUR 3343; NUR 3352

Availability: Fall/Spring

Course Learning Outcomes:

Upon satisfactory completion of this course, the student will be able to:

1. Integrate knowledge from the physical, biological, and social sciences, NUR 2023 Health Assessment, and NUR 2004/2012 Fundamentals of Nursing to understand human physiology, genetics, pathophysiology, and pharmacology.

2. Apply basic pathophysiology principles to the nursing process and selected disease processes to guide nursing care.
3. Apply basic principles of pharmacology and the nursing process to selected drugs and their therapeutic use across the lifespan.
4. Examine professional values (legal and ethical) and the Christian worldview in relation to foundational skills.
5. Apply professional practice responsibility and accountability standards in pharmacologic intervention.

Textbooks Required:

Pathophysiology: A Practical Approach
Fourth Edition, by Lachel Story
ISBN 9781284205435
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Abram's Clinical Drug Therapy: Rational for Nursing Practice
Twelfth Edition, by Lippincott, Frandson and Pennington
ISBN-13: 978-1975136130
ISBN-10: 1975136136
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Textbook of Medical-Surgical Nursing
14th Edition, by Wolters Kluwer, Hinkle, L., J., & Cheever, H., K., Brunner & Suddarth
ISBN: 9781975124465 This includes Course point.
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Teaching & Learning Methods:

1. Lecture/Discussion
2. Case Studies
3. Audiovisuals
4. Independent and Group Assignments

Course Requirements:

1. Read assigned material. You will absolutely need the textbooks in order to pass.
2. Attend scheduled classes. I recommend bringing your textbooks for classroom activities.
3. Take notes during class as needed.
4. Quizzes will be electronic and you will need your laptop, iPad or phone.
5. Be prepared and participate in class discussions.
6. Complete all assignments and quizzes.

Methods of Evaluation:

1. Quizzes 50 %
2. Classroom Participation 20 %
3. Canvas Discussion Based Assignments 20 % (10% initial post, 10% response)
4. Final Pharmacology Project 10 %

Grading Scale:

A	93-100
A-	90-92
B+	87-89
B	84-86
B-	82-83
C+	79-81
C	75-78
D	65-74
F	64 - BELOW

This course will require a minimum of a 75% average both cumulatively and for all quizzes in order to successfully pass this course and move on in the program.

Last day to Add/Drop is January 15

Last day to withdraw from full semester without academic penalty is March 26

Additional Responsibilities:

1. Attendance in class is required and timeliness is imperative as the quizzes will be given during the first 15 minutes of the class. It is the student's responsibility to communicate with the professor when class will be missed prior to the absence.
2. Attending class remotely due to illness or injury will need to be approved prior to class.
3. When attending class remotely (via Zoom), students will be on time, dressed appropriately (no pajamas) and responsible for classroom activities (Inappropriate behavior or attire will result in an absence).
4. When approved, missed quizzes will be taken via LockDown Browser. Both classroom assignments and quizzes must be turned in within 24 hours from the original start of class or a zero will be issued, unless other arrangements with the professor have been made.
5. Classroom participation will include note taking (I am a huge proponent of flash cards) and case study group activities.
6. Discussion Based Assignments are independent case studies. Each week there will be various case studies that will be assigned. The first part of the assignment is to answer the questions for the case study each student is assigned. The second part will be to provide a

meaningful response to a peer in another case study. Material that comes from the required textbooks does not need to be cited. However, if using information from an outside source (internet), the information needs to be cited using the APA 7th edition. **Any posts that have been cut and pasted or plagiarized will result in a zero for that assignment.** Responses will be analytical, thoughtful and substantive (full sentences). Proper grammar and spelling (no abbreviations) is required. Content will be respectful and encouraging. All criteria must be met for full credit.

7. Check email and Canvas daily.
8. Silence all cell phones. Phone calls can only be taken in emergency situations.
9. Health-Related Absences from Face-to-Face Class: Every day, students are required to self-evaluate their health status by completing the COVID-19 Daily Wellness Check. If you are not feeling well or have been exposed to someone with COVID-19, you will indicate it on the COVID-19 Daily Wellness Check (or by emailing healthalert@pba.edu). You are expected to follow the instructions contained within the Wellness Check regarding self-isolation. In addition to the instructions within the Wellness Check, you will receive an automated email from HealthAlert@pba.edu, confirming that you are not to go to class or to visit other campus locations. Please forward that email to your instructor. It will serve as a notification that you will be physically absent from an on-ground face-to-face class and may be attending by HyFlex. While you are in isolation, health allowing, you will be expected to attend class synchronously by HyFlex. Students who attend class via HyFlex must participate with video so that the instructor can visually confirm their attendance.
10. Students are to follow the guidelines listed in the Sailfish Safe plan, including the use of facial coverings in the classroom.
11. Review the PBA Student Handbook and pay special attention to **Scholarship and Integrity, Professional Behavior and the Care of Others, and General Dress Code.**
12. ADA Statement (Americans with Disabilities Act): Palm Beach Atlantic University complies with the Americans with Disability Act (ADA) of 1990, as well as Section 504 of the Rehabilitation Act of 1973, by providing reasonable and appropriate accommodations to qualified individuals with disabilities. The Office of Disability Services (ODS) is located on the 2nd floor in the Lassiter Student Center, Room 216. Accommodations will only be provided after the student has officially registered with ODS. It is the responsibility of the student to make the request and to provide each course instructor a copy of the approved accommodations plan, immediately after receiving them. Accommodations are not retroactive.

Course Calendar:

Week 1	1/11/21 Monday	Syllabus Overview & Medication Administration	Abrams 1, 2, 3, 61 Story Chapter 13
Week 1	1/12/21 Tuesday	Integumentary Case Study	DBA
Week 2	1/18/21 Monday	No Class	Abrams 59 & 60 Story Chapter 14
Week 2	1/19/21 Tuesday	QUIZ 1 Sensory Function Case Study	DBA
Week 3	1/25/21 Monday	QUIZ 2 Respiratory Fluid & Electrolytes, Acid Base Balance Upper Respiratory	Abrams 15, 21, 31, 32, 34 Story Chapter 5 & 6
Week 3	1/26/21 Tuesday	Case Study	DBA
Week 4	2/1/21 Monday	QUIZ 3 Urinary UTI, Nephritis, Incontinence	Abrams 17, 18, 19, 20 Story Chapter 7
Week 4	2/2/21 Tuesday	Case Study	DBA
Week 5	2/8/21 Monday	QUIZ 4 Hematopoiesis Components of blood and anemia	Abrams 9, 10, 11 Story Chapter 3
Week 5	2/9/21 Tuesday	Case Study	DBA

Week 6	2/15/21 Monday	QUIZ 5 Cardiac HTN, CAD, PAD	Abrams 26 & 28 Story Chapter 4
Week 6	2/16/21 Tuesday	Case Study	DBA
Week 7	2/22/21 Monday	QUIZ 6 Cardiac (Continued) Heart Failure	Abrams 30
Week 7	2/23/21 Tuesday	Case Study	DBA
Week 8	3/1/21 Monday	QUIZ 7 Endocrine DM	Abrams 41 Story Chapter 10
Week 8	3/2/21 Tuesday	Case Study	DBA
Week 9	3/8/21 Monday	QUIZ 8 Gastrointestinal Obesity, Crohn's, Diverticulitis, GERD, GI Bleed	Abrams 35, 36, 37 Story Chapter 9
Week 9	3/9/21 Tuesday	Case Study	DBA
Week 10	3/15/21 Monday	Spring Break	
Week 10	3/16/21 Tuesday	Spring Break	
Week 11	3/22/21 Monday	QUIZ 9 Gastrointestinal (Continued) NVD, Constipation	Abrams 38, 39, 40 Story Chapter 9

Week 11	3/23/21 Tuesday	Case Study	DBA
Week 12	3/29/21 Monday	QUIZ 10 Neurological MS, CVA, Dementia, Epilepsy, Alzheimer's, Parkinson's	Abrams 47, 48, 53 Story Chapter 11
Week 12	3/30/21 Tuesday	Case Study	DBA
Week 13	4/5/21 Monday	QUIZ 11 Pain Management	Abrams 49, 50, 51, 52
Week 13	4/6/21 Tuesday	Case Study	DBA
Week 14	4/12/21 Monday	QUIZ 12 Musculoskeletal Back Pain, Osteoarthritis, Gouty Arthritis	Abrams 16, 44 Story Chapter 12
Week 14	4/13/21 Tuesday	Case Study	DBA
Week 15	4/19/21 Monday	QUIZ 13 Reproductive STD	Abrams 23, 24, 25 Story Chapter 8
Week 15	4/20/21 Tuesday	Case Study	DBA
Week 16	4/26/21 Monday	QUIZ 14 Project Presentations	
Week 16	4/27/21 Tuesday	Presentations Continued	