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2018

554 Essentials of Pathophysiology

Linda Moore
morrism16@xavier.edu

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**XAVIER UNIVERSITY
COLLEGE OF PROFESSIONAL SCIENCES
SCHOOL OF NURSING
Fall 2018**

Course Number and Title: NURS 554 Essentials of Pathophysiology

Number of Credits: 3

Number of Theory Hours: 45 hours

Course Description: This course relates normal body functioning to the physiologic changes that occur as the result of disease. The body's ability to compensate to these changes is also addressed. The course focuses on the mechanisms of the underlying disease and the basic concepts of disease processes in order to provide the background for preventive as well as therapeutic health care measures and practices.

Course Objectives:

1. Analyze the relationship between anatomy and physiology and the alterations produced by disease.
2. Describe the prevalence, risk factors, biochemical diagnosis and complications of selected disease processes.
3. Delineate the etiology, pathogenesis, and clinical manifestations of selected diseases.
4. Analyze the interrelationships between body systems when pathophysiologic conditions exist.
5. Analyze the impact of concurrent pathophysiologic conditions.
6. Analyze the impact of cultural, environmental, and lifestyle influences on the development and progression of selected pathophysiologic conditions.

Time and Location: Tuesday & Thursday 11:30-12:45
Cohen Rm TBA

Faculty: Linda W. Moore, PhD, RN, CNL
Office: 130B
Phone: (513) 745-1008 (Office)
(859) 341-9216 (Home)
Office Hours: By appointment
Email: moore@xavier.edu

Dr. Moore is a tenured Full Professor at Xavier University and serves as the Associate Director of the MIDAS program. Prior to coming to Xavier, Dr. Moore worked in various healthcare organizations as a medical-surgical nurse of adult patients and an

operating room/trauma nurse. She received her baccalaureate degree in nursing from the University of Kentucky and both her Master's of Science in Nursing and PhD from the University of Cincinnati. She is currently certified as a Clinical Nurse Leader. Dr. Moore has several research interests and has had her work published in numerous nursing journals.

Faculty Office Hours:

It is important to communicate with me (Dr. Moore) if you have any questions, concerns, needs or if you do not understand the material or requirements. **Please contact me via email with your concerns or to make an appointment.** My office is Cohen 130 B, and my office hours are by appointment. To protect your valuable time, email me before you come without an appointment

Text: Porth, C. M. (2015). *Essentials of pathophysiology: Concepts of altered health states (4th Ed.)*. Philadelphia: Lippincott, Williams & Wilkins.

Teaching Strategies:

In-depth class outlines and handouts, daily study guides, lecture, discussion, audiovisuals, web links

Grading Criteria:

| | |
|--------|-----|
| Exam 1 | 16% |
| Exam 2 | 16% |
| Exam 3 | 16% |
| Exam 4 | 16% |
| Exam 5 | 16% |
| Final | 20% |

Grading Scale:

| | |
|---|--------------|
| A | 100-90% |
| B | 89-80% |
| C | 79-70% |
| F | 69 and below |

Attendance Policy:

Reasonable attendance at all class meetings is expected. Should circumstances prevent a student from attending class, the student should inform Dr. Moore prior to the class meeting (leave voice mail on office phone). This is a professional courtesy. If a student is unable to attend a class the responsibility of missed class content is the sole responsibility of the student. Tests and written assignments may include content covered in class or in assigned readings. Refer to Attendance Policy in Graduate Student Handbook for the School of Nursing.

Accommodation Letters:

It is my goal that this class be an accessible and welcoming experience for all students. If you are a student with a disability who may have trouble participating

or effectively demonstrating learning in this course, contact me to arrange an appointment to share your Accommodation Letters from Disability Services and to discuss your needs. Disability related information is confidential. If you have not contacted Disability Services (located in the Learning Assistance Center) to arrange accommodations, I encourage you to do so by contacting Cassandra Jones, by phone at 513-745-3280, in person on the Fifth Floor of the Conaton Learning Commons, Room 514, or via e-mail at jonesc20@xavier.edu as soon as possible as accommodations are not retroactive.

Student Support:

Occasionally, students may experience personal problems or difficulties during the term that can be emotionally disturbing and may seriously interfere with learning. If this should happen to you, please meet with me. In addition, the University provides supportive services for students. For more information, go to: <http://www.xavier.edu/ss>

Academic Honesty: (XU Policy)

“The pursuit of truth demands high standards of personal honesty. Academic and professional life requires a trust based upon integrity of the written and spoken word. Accordingly, violations of certain standards of ethical behavior will not be tolerated at Xavier University. These include theft, cheating, plagiarism, unauthorized assistance in assignments and tests, unauthorized copying of computer software, the falsification of results and material submitted in reports or admission and registration documents, and the falsification of any academic record, including letters of recommendation.

All work submitted for academic evaluation must be the student's own.

Certainly, the activities of other scholars will influence all students. However, the direct and unattributed use of another's efforts is prohibited as is the use of any work untruthfully submitted as one's own.

Penalties for violations of this policy may include a zero for that assignment or test, an "F" in the course and expulsion from the University. The dean of the college in which the student is enrolled is to be informed in writing of all such incidents, though the teacher has full authority to assign the grade for the assignment, test or course. If disputes of interpretation arise, the student, faculty member and chair should attempt to resolve the difficulty. If this is unsatisfactory, the dean will rule in the matter. As a final appeal, the academic vice president will call a committee of tenured faculty for the purpose of making a final determination.”

In addition to the Academic Honesty Policy of Xavier University, the American Nurses' Association's Code of Ethics includes provisions which hold nurses accountable for demonstrating integrity, knowledge development and competency to promote personal and professional growth. Students are expected to work toward meeting these standards throughout their coursework.

Class Etiquette/Student Responsibilities:

- 1) Attend all classes & be “present” – actively participate in discussions

- 2) Be on time
- 3) Turn off cell phones
- 4) Bring laptops only if you intend to work on current class content
- 5) Prepare for all classes; do readings & critically reflect on those readings; complete study guides; highlight articles where you find interesting comments or have questions
- 6) Submit all written material on time and according to requirements
- 7) Notify the professor as needed for assistance in facilitating understanding of course content or any concerns/problems.

General Comments:

Study Guides:

There is a detailed study guide for each class. These guides **MUST** be completed **PRIOR** to class. They will be used as an important part of class discussion and are essential for understanding of course material.

Exams:

There will be 6 exams in the course. Exam questions may be in the form of multiple choice, short answer, matching, or brief essay. The final exam will be **comprehensive**. Attendance at the scheduled time for all exams is expected. Any exceptions must be authorized by Dr. Moore **prior** to the time of the exam. Failure to do this may result in being prohibited from taking the exam. Make-up exams must be **completed within one week**. Late exams will be at the discretion of Dr. Moore and will most likely differ in structure from the exam given at the scheduled time.

NOTE: Please DO NOT REQUEST that exam dates be changed.

Exam Review:

Once exams have been taken and graded, they will be available for students to review in Dr. Moore's office throughout the semester **thru November 29**. Make an appointment with Dr. Moore if you wish to review exams. ****After November 29, exams will not be available for student review. The final exam will not be open for review.** Do not put off until the last minute to review your exams. Dr. Moore has multiple commitments as a faculty member and it may be difficult to arrange a convenient time for faculty and student.

Caveat:

The schedule and procedures in this course are subject to change in the event of extenuating circumstances as well as class learning needs.

**Essentials of Pathophysiology
Class Schedule
NURS 554
Fall 2018**

| DATE | UNIT | TOPIC |
|--|--------------------------|---|
| Class #1 8/21 | Unit 1 | Introductions; Orientation to Course; Cellular Adaptation |
| Class #2 8/23 | Unit 1 Unit 2 | Neoplasia |
| Class #3 8/28 | Unit 3 | Alterations in Fluids & Electrolytes |
| Class #4 8/30 | Unit 4 | Alterations in Acid-Base Balance |
| Class #5 9/4 | | Alterations in Acid-Base Balance |
| Class #6 9/6 | | <i>Exam #1</i> |
| Class #7 9/11 | Unit 5 | Alterations in Immunity/Inflammation |
| Class #8 9/13 | | Alterations in Immunity/Inflammation |
| Class #9 9/18 | Unit 6 | Alterations in Hematologic Function |
| Class #10 9/20 | | Alterations in Hematologic Function |
| Class #11 9/25 | | <i>Exam #2</i> |
| Class #12 9/27 | Unit 7 | Alterations in Cardiovascular Function |
| Class #13 10/2 | | Alterations in Cardiovascular Function |
| NO CLASS 10/4 | | <i>FALL HOLIDAY</i> |
| Class #14 10/9 | | Alterations in Cardiovascular Function |
| Class #15 10/11 | | <i>Exam #3</i> |
| Class #16 10/16 | Unit 8 | Alterations in Respiratory Function |
| Class #17 10/18 | | Alterations in Respiratory Function |
| Class #18 10/23 | Unit 9 | Alterations in Renal Function |
| Class #19 10/25 | | Alterations in Renal Function |
| Class #20 NO IN-CLASS MEETING 10/30 | | <i>Group Work: Content Review/NCLEX REVIEW</i> |
| Class #21 11/1 | | <i>Exam #4</i> |
| Class #22 11/6 | Unit 10 | Alterations in Endocrine Function |
| Class #23 11/8 | | Alterations in Endocrine Function |
| Class #24 11/13 | Unit 11 | Alterations in Musculoskeletal Function |

| | | |
|----------------------------------|----------------|--|
| Class #25 11/15 | | Alterations in Musculoskeletal Function |
| Class #26 11/20 | | <i>Exam #5</i> |
| NO CLASS 11/22 | | <i>THANKSGIVING HOLIDAY</i> |
| Class #27 11/27 | Unit 12 | Alterations in Neurological Function |
| Class #28 11/29 | | Alterations in Neurological Function |
| Class #29 12/4 | Unit 13 | Alterations in GI Function |
| Class #30 12/6 | | Alterations in GI Function |
| Tues 12/11 | | <i>Comprehensive Final Exam – in scheduled Classroom from 10:30 to 12:20 NOTE TIME DIFFERENCE (Per XU Finals Schedule 2018)</i> |