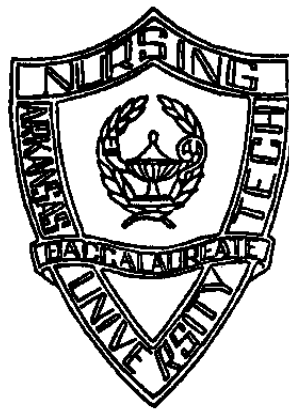


ARKANSAS TECH UNIVERSITY

DEPARTMENT OF NURSING



NUR/BIOL 3803

APPLIED PATHOPHYSIOLOGY

Fall, 2009

NUR/BIOL 3803 Applied Pathophysiology

Course: NUR/Biol 3803

Course Title: Applied Pathophysiology

Course Faculty:

Wanda Christie, MNSc, RN, OCN

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Office Hours: By Appointment

Catalogue Description:

Prerequisites: BIOL 2014 and BIOL 3074. This course focuses on the mechanisms and concepts of selected pathological disturbances to the human body. Emphasis is placed on how the specific pathological condition effects the functioning of the system involved as well as its impact on all other body systems.

Required Textbook:

Porth, C.M. (2002). *Essentials of pathophysiology: Concepts of altered health states* (2th ed). Lippincott, Williams, & Wilkins: Philadelphia. ISBN: 0-7817-7087-4

Credit Hours: 3 Semester Hours

Placement: Spring, Summer, and Fall Semesters

Justification Rationale for the Course:

This course directs the students in the achievement of statements one, two, three, and four of the Mission Statement of the ATU Department of Nursing. This upper division professional nursing course provides opportunities for the student to apply knowledge and skills from the general education component and from nursing courses to the care of individuals.

Course Objectives:

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

1. Analyze various ways in which innate adaptive and compensatory physiological mechanisms are affected by specific pathological conditions.
2. Explain the physiological processes, interactions, and controls to be considered in maintaining dynamic equilibrium in the human body in the specific areas of:
 - a. Oxygen and carbon-dioxide exchange and transport
 - b. Fluid, electrolyte, and acid-base balance
3. Delineate the role and function of body defense mechanisms.
4. Predict multiple system responses to selected pathological states.

Assessment Methods:

I. Grading scale:

- A – 90-100
- B – 80-89.99
- C – 75-79.99
- D – 68-74.99
- F – 67 or below

2. A grade of "C" or above must be achieved in every nursing course to progress in the nursing program.
3. A grade of "I" may be recorded for a student whose work is incomplete due to circumstances beyond the student's control. The student must take responsibility for removal of the incomplete grade according to the Arkansas Tech University's catalog requirements.
4. Examinations will be taken on the designated days found under Test Info. Students will take all exams on the computer with a proctor from an approved site present.
 - a. If you are located on or near the Russellville campus exams will be given in the Testing Center, located in Bryant Hall. If the times are not convenient, you need to contact the Testing Center to make alternate arrangements.
 - b. If you are not near the Russellville campus you may select a proctor for your exams. A proctor may be a teacher at the middle or high school level, a principle or assistant principle, or a librarian. The proctor will monitor you while you take the exams on the computer. If you live near an institution of

higher education, you can try contacting their testing service.

5. Course Grade

The grade will be based on the following:

(5) Unit Exams	80%
Assignment	3%
Chapter Quizzes	<u>17%</u>
	100%

6. All reading assignments will be found under “Sections” on Blackboard. The student is required to check their ATU email and Blackboard site frequently (2 to 3 times weekly minimum) in order to stay informed with class communications.

CONDUCT OF THE COURSE

POLICIES

1. Students are responsible for material presented, assigned readings, and other assignments. Test dates are as listed on the syllabus, there will be no makeup examinations offered in the event that a test is missed, unless prior approval has been obtained from faculty. Online work is due the time period the material is covered. No credit will be given for late work.

Academic Honesty

Students are expected to be honest and truthful in the classroom.

Students are expected to:

1. Present written work that is theirs alone.
2. Correctly document any materials from a textbook, pamphlet, journal, etc., that is used for an assignment.
3. Only use authorized devices or materials for an examination and not copy from other students papers.
4. Document material correctly as plagiarism is defined as stealing and presenting as one’s own the ideas or words of another.
5. Take examinations without the assistance of notes, textbooks, or an individual’s help.
6. *If there is any question for any reason* that students are not being responsible for their own work, I reserve the right to re-test the material in question administered in the ATU nursing office to either all or a selection of students.

Teacher Role: Resource person, Evaluator, and Facilitator

Student Roles: Learner, and Communicator

Teacher-Learning Strategies: On-line discussion and critical thinking questions.

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