Course Title: Nursing Pathophysiology (3-0-0)

Course Number: NUR 2324

Prerequisite: Biology 2423 (Anatomy), Biology 2424 (Physiology); minimum of C required on all coursework for consideration.

Recommended: Biology 2411 (Elementary Microbiology) recommended; minimum of C required on all coursework for consideration.

Course Description:

This course focuses on functional alterations in human health. Fifteen topics will be considered as broad concepts and individual and group work will focus on aligning specific clinical models in the context of the alterations. This course is designed for the nursing student in mind and as such relies on not only the expansion of basic knowledge but the application of this knowledge in a clinical sense.

Course Methods:

A variety of strategies may be employed to enhance skills in Pathophysiology including review of case studies and the analysis of evidence based journal articles. The primary method of instruction is through classroom discussion and will focus on 1) basic cellular alterations (pathological processes, diagnosis, manifestations), 2) contributions to the topic relative a genomics focus and 3) general knowledge regarding treatment modalities. Both individual work as well as group activity will be stressed.

Course Objectives: Upon completion of the course, the student will be able to:

1. To demonstrate knowledge in discerning normal function of organ systems compared to alterations in function.
2. To demonstrate knowledge in basic cellular mechanisms that contribute to groups of diseases in order to more aptly apply this knowledge in clinical settings.
3. To demonstrate knowledge in pathogenesis, criteria for diagnosis, signs and symptoms and treatment.
4. To demonstrate knowledge in clinical conditions having a genetic etiology which effect basic alterations in cellular function.
5. To demonstrate skill in finding/understanding evidence based medical information and to incorporate this knowledge within the context of providing appropriate healthcare.
6. To demonstrate knowledge in meeting safety considerations for the management of patients/patient materials in order to minimize risk within the context of providing appropriate patient care.
IDEA Objectives

- Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
- Learning to apply course material (to improve thinking, problem solving and decision)
- Learning to apply knowledge and skills to benefit others or serve the public good

Course Outline-Spring 2018
Undergraduate Pathophysiology

Week One (January 16, 18)
Chapter one (Introduction to Pathophysiology)
Chapter six (Genetic and Developmental Disorders)

Week Two (January 23, 25)
Chapter two (Altered cells and tissues)

Week Three (January 30, February 1)
Chapter seven (Altered cellular proliferation and differentiation)

Week Four (February 6, 8)
Chapter three (Inflammation and tissue repair)

Week Five (February 13, 15)

Exam One (chapters 1, 2, 6 & 7)-February 13
Chapter four (Altered Immunity)

Week Six (February 20, 22)
Chapter four (altered immunity)
Chapter eight (Altered electrolyte balance; acid base balance)

Week Seven (February 27, March 1)
Chapter eight (Altered electrolyte balance; acid base balance)

Week Eight (March 6, 8)
Chapter sixteen (Altered elimination)

Exam Two- (chapters 3, 4, 8 )-March 8

Spring Break (March 12-16)

Week Nine (March 20, 22)
Chapter sixteen (Altered elimination)
Chapter thirteen (Altered ventilation and diffusion)

**Week Ten (March 27, 29)**
Chapter thirteen (Altered ventilation and diffusion)
Chapter fourteen (Altered perfusion)

**Week Eleven (April 3, 5)**
Chapter fourteen (Altered perfusion)
Chapter eighteen (Combining complex pathophysiologic concepts: Diabetes mellitus)

**Week Twelve (April 10, 12)**
Chapter eighteen (Combining complex pathophysiologic concepts: Diabetes mellitus)
Chapter eleven (Alterations in Hormonal Balance)

**Week Thirteen (April 17, 19)**
Chapter eleven (Alterations in Hormonal Balance)

**Exam Three (chapters 13, 14, & 18)-April 19**

**Week Fourteen (April 24, 26)**
Chapter twelve (Altered reproductive function)
Chapter nine (Altered neuronal transmission)

**Week Fifteen (May 1, 3)**
Chapter nine (Altered neuronal transmission)
Chapter ten (Altered somatic and special sensory function)

**FINAL EXAM/May 8 (8-10 AM)**
(not comprehensive)/covers chapters 9, 10, 11 & 12

**General Information**

**Lecture days/times:**
Tuesday and Thursday 8-9:20

**Office hours**
Monday, Wednesday and Friday 9:30-11:00

**Jacqueline.brown@angelo.edu.**
Instructor office: suite 318/Archer College
Instructor office phone number: 325-486-6864

**Teaching Methods/Strategies:**
This course will be taught using a concept approach and will focus on both individual and group work. Student centered learning will be the primary focus and will involve a number of activities including the development of care plans, analyzing evidence based journal articles and case studies.
**Policies related to this course:** All students are required to follow the policies and procedures presented in the Angelo State University Undergraduate Nursing Handbook, located on the Nursing website http://www.angelo.edu/dept/nursing/handbook/index.html

**Evaluation:**
Course grades will be dependent upon meeting the learning objectives and completing activities of the course. Evaluation of student comprehension and application of learned concepts will take the form of examinations that include both multiple choice and short answer questions. Even though this course is a pre nursing course, concepts regarding the nursing process will be introduced. Because of this, NCLEX formatted supplemental questions will be a portion of each exam in order to expose students to the manner in which testing will take place once in the nursing program.

Final grades will be recorded as earned with no rounding of scores, according to policy set forth by the Nursing department and which is contained in the Nursing Student Handbook. Extra credit work will not be allowed. The weighting of class work is as follows:

- Examinations: 80%
- Assignments/Quizzes 20%

**Testing:**
Evaluation of student learning in this course may take a variety of forms, including in classroom testing or individual/group mini projects. Cell phones must be left at the front of the classroom as well as all other personal belongings. I will make available early start times for students who wish to have more time on exams. Officially all exams start at 8 AM and early testers will begin at 7:30. No one will be admitted to the classroom after 7:30 for early testers and anyone who is a late arrival to an 8 AM start time will have points deducted from the earned exam grade. It is important to arrive on time so that there are no disruptions to students who are working on their exams. 10 points will be deducted if a student is not in their seat ready to start by 8 AM. One additional point will be deducted for every 5 minutes thereafter for late arrival.

Make up exams are difficult to schedule. If you must be absent from an exam due to illness, personal emergency etc, you must notify me before test start time. Any make up exam that is deemed appropriate to administer can take an alternate format. It is strongly encouraged that students make every attempt to take the exam on the date it is scheduled. Again, communication with me is essential and this communication cannot take place at a time after the exam has already taken place. When an exam is allowed for makeup purpose, it will be scheduled at the instructor’s convenience. The instructor will make every attempt to re-schedule a time that works well for the student. However if there are more than one student in this situation, both students will be scheduled at the same time/date.
GENERAL POLICIES RELATED TO THIS COURSE
All students are required to follow the policies and procedures presented in the following documents:

• Angelo State University Student Handbook located on the ASU website:
  http://www.angelo.edu/student-handbook/
• ASU Undergraduate Catalog located on the ASU website
• ASU Nursing Program Undergraduate Student Handbook, located on the Nursing website
  http://www.angelo.edu/dept/nursing/handbook/index.html

PRE-REQUISITE SKILLS
Accessing internet web sites, use of ASU Library resources, and proficiency with Microsoft Word and/or PowerPoint are an expectation of the Generic BSN program. Computer requirements are further delineated in the Department of Nursing Undergraduate Student Handbook. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU Nursing Program Undergraduate Student Handbook should be reviewed before taking this course (http://www.angelo.edu/dept/nursing/handbook/index.html).

STUDENT RESPONSIBILITY & ATTENDANCE
In order to complete this course successfully, you do have to participate in all course activities, including assignments, discussions in class, quizzes, exams and projects. Students are expected to engage in course activities and submit work by due dates and times.

Homework policy: All work must be turned in on the specified due date. Most of the time the homework will be submitted to assignment links in blackboard. I will announce through blackboard any deviation from this practice. Homework is assigned well in advance of a due date. Since most of the assignments are submitted through blackboard there should be very few reasons that justify late submissions.

I reserve the right to alter due dates and will do so with announcement in class/bb-email system. When I make changes it is for the convenience of students.

Late homework policy: For every class day that an assignment is late, 20 points will be deducted from earned grade. If I receive an email from you prior to missing class, and an assignment was due to be turned into class as opposed to submission to blackboard, you will be allowed the next class date or Friday of the week you missed class to get the assignment turned in.

Missing assignments due to absence:
If you must miss class, please email instructor in advance of class that will be missed. If email is received, any work that was missed can be made up. However it is the student’s responsibility to stay on top of missed work, not the instructor. Additionally, for planning purposes, this class will probably require a minimum of 3-6 study hours per week on average.
IMPORTANT UNIVERSITY DATES
August 28th –first day of Fall Semester
September 4 Holiday
November 22, 23 and 24-Thanksgiving Holiday
December 12 Final Exam

COMMUNICATION
Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday although reasonable attempt will be made to accommodate learning during this time.

Written communication via email: All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes.

Instructor communicates exclusively through blackboard email and announcements outside of face to face classroom communication. Instructor also follows up in announcement format to all students reminders of due dates, assignments, etc.

ACADEMIC INTEGRITY
Academic honesty is expected on all work. Students are expected to maintain
Complete honesty and integrity in their educational experiences. Any student
found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU. All codes and policies are set forth in the University Student Handbook of Angelo State University http://www.angelo.edu/student-handbook/ as well as the Department of Nursing Undergraduate Student Handbook http://www.angelo.edu/dept/nursing/handbook/index.html.

PLAGIARISM
Plagiarism at ASU is a serious topic. The Angelo State University’s Honor Code gives specific details on plagiarism and what it encompasses. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word for word without quotation marks and the source of the quotation. We use the APA Style Manual of the American Psychological Association as a guide for all writing assignments. Quotes should be used sparingly. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list. Papers are subject to be evaluated for originality via Bb Safe Assignment or Turnitin. Resources to help you understand this policy better are available at the ASU Writing Center http://www.angelo.edu/dept/writing_center/academic_honesty.php.
PERSONS WITH DISABILITIES AND SPECIAL ACCOMMODATIONS REQUEST

“Disability Services is part of the Office of Student Affairs at Angelo State University. Angelo State’s Office of Student Affairs works to ensure that qualified students with disabilities have equal access to all institutional programs and services. The office advocates responsibly for the needs of students with disabilities and educates the campus community so that others can understand and support students with disabilities.”

For more information on learning disabilities and how to apply for accommodations through the ASU Disability Services visit http://www.angelo.edu/services/disability-services/

The following includes contact information for Disability Services at ASU:

ada@angelo.edu
Phone: 325-942-2047
Fax: 325-942-2211
Address: Houston Harte University Center, 112, ASU Station #11047, San Angelo, TX 76909

INCOMPLETE GRADE POLICY (OP 10.11 Grading Procedures)
It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required.

STUDENT ABSENCE FOR OBSERVANCE OF RELIGIOUS HOLY DAYS
1. “A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence.” Please see ASU Operating Policy 10.19.

COPYRIGHT POLICY
Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

SYLLABUS CHANGES
The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student’s responsibility to look for such communications about the course on a daily basis.

BROWSER COMPATIBILITY CHECK
It is the student’s responsibility to ensure that the browser used to access course material on his/her computer is compatible with ASU’s Blackboard Learning System. The faculty reserve the right to deny additional access to course assignments lost due to compatibility issues. Students are responsible for reviewing the guidelines posted in this course regarding accessing Blackboard assignments. Problems in this area need to be discussed with faculty at the time of occurrence, either via a phone call (preferred) during posted acceptable hours for calling, or via email notification during times outside those posted for calls.

Be sure to perform a browser test. Select the “Technology Support” tab from the Blackboard homepage (http://www.blackboard.angelo.edu). Then select “Test your Browser” option located under the Browser Test header.

Please see computer requirements for BSN classes at this link:

http://www.angelo.edu/dept/nursing/student_resources/computer_requirements.php

**Required Textbooks:**

**Textbook:**


**Other:**