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 2020**

**Undergraduate Pathophysiology**

(January 14)
Chapter one (Introduction to Pathophysiology)

(January 16)
Chapter six (Genetic and Developmental Disorders)

(January 21)
Chapter two (Altered cells and tissues)

(January 23)
Continue Chapter two
Chapter seven (Altered cellular proliferation and differentiation)

(January 28)
Continue Chapter seven
Chapter three (Inflammation and tissue repair)

(January 30)
**Exam One (chapters 1, 2, 6 & 7)**

(February 4)
Continue Chapter three

(February 6)
**Review exam one**
Chapter four (Altered Immunity)

(February 11)
Continue Chapter four

(February 13)
Chapter eight (Altered electrolyte imbalance)

(February 18)
Continue Chapter eight-electrolytes

(February 20)
Chapter nine (acid base imbalance)
(February 25)
Chapter eight-Fluid Balance
(February 27)
**Exam Two [covers chapters 3, 4, 8 (electrolytes), 9 (acid base imbalance)]**

(March 3)
Chapter eighteen (Altered elimination)

(March 5)
**Review exam two**
Continue Chapter 18

March 10, 12-Spring Break/No Class

(March 17, 19)
Chapter fifteen (Altered ventilation and diffusion)

(March 24, 26)
Chapter 16 (Altered perfusion)

(March 31)
**Exam Three [covers chapters 8(fluid balance), 18, 15 and 16]**

(April 2)
Chapter thirteen (Altered hormonal and metabolic regulation)

(April 7)
**Review Exam Three**

(April 9)
Continue Chapter thirteen
Chapter fourteen (Altered reproductive function)

(April 14)
Continue Chapter fourteen

(April 16)
Chapter twenty (Combining complex pathophysiologic concepts: Diabetes mellitus)

(April 21)
Continue Chapter twenty

(April 23)
Chapter ten (Altered neuronal transmission)

(April 28, 30)-Dead Week
Continue Chapter ten
Chapter twelve-Somatosensory Alterations

**FINAL EXAM/May 5/Comprehensive Exam, 8-10 AM**
Assignments/Exams Outline/Case study Review Schedule

Assignments/Case Reviews Schedule

January 20 due date
  Case studies (6.1, 6.2 and 6.3 - posted to bb submit assignments tab)

January 21
  Review 6.1, 6.2 & 6.3 case studies

January 27 due date
  Case 27 (Neafsey case study book)

January 28
  Review Case 27

January 30/Exam One (chapters 1, 2, 6 & 7)

February 6/Review Exam one

February 10 due date
  Case 7, 26, 17

February 11
  Review Case 7, 27 and 17

February 12 due date
  Case 3

February 13
  Review case 3

February 19 due date
  Case 6, 20 & 28

February 20
  Review case 6, 20 and 28

February 27/Exam Two (chapters 3, 4, 8-electrolytes; 9-acid base)

March 2 due date
  Case 5

March 3
  Review case 5

March 5/ Review Exam Two

March 16 due date
  Case 8, 10, & 25

March 17
Review case 8, 10 and 25  
Chapter 15 charts

March 23 due date  
Case 1, 9
March 24  
Review Case 1, 9
March 25 due date  
Case 11, 13, 15 & 24
March 26  
Review 11, 13, 15 & 24

March 31/Exam Three/Covers chapters 8-fluid balance; 18, 15 & 16)

April 7/ Review Exam Three

April 8 due date  
Case study 21 & 23
April 9  
Review Case 21 and 23
April 13 due date  
Case 22
April 14  
Review case 22
April 20 due date  
Case 14
April 21  
Review case 14

May 5/ Final Exam/50% chapters 13, 14, 20, 10 &12/50% remaining chapters

General Information
Lecture days/times:  
  Tuesday and Thursday 8-9:20-patho  
  Monday and Wednesday 8-9:20 -microbiology  
  Thursday 3-4:30 and Friday 8-9:20-pharmacology
Office hours  
  Monday- Thursday 9:30-11:30

Jacqueline.brown@angelo.edu.
Instructor office: Archer College Suite 318N
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](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.

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:
- Exam one: 20%
- Exam two: 20%
- Exam three: 20%
- Final Exam/comprehensive: 30%

Assignments/Quizzes/Case studies 10%

**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. Any student wishing to be able to leave examination for bathroom use must provide instructor their cell phone for safe keeping. If a student does not provide a cell phone to instructor, exit from the examination room will not be allowed.

All exams in this course with the exception of the final exam have a time frame of 1 hour and twenty minutes. For students with accommodations necessitating extra time, the course will follow recommendation set forth by the University. Since my courses begin at 8 AM, I make extra time available beginning at 7 AM. Any student, with or without accommodation necessitating extra time, who wishes to have more time can come in early at 7 am. Under no circumstances will I grant more time for any student past end of normal class time. This means
that extra time option must be taken beginning at 7 AM on exam day. All early testers must
arrive to class by 6:55 AM. Once the exam is started, no one will be admitted to the classroom
after 7:00 and all remaining students will be allowed in class at 7:55 AM to begin their exam.
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 or a family member 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.

Note: there may be an instance where an exam will be administered online. Students should be
aware of the information posted in the blackboard course section tabbed “respondus monitor
help”. The information provides the student specific instructions regarding lockdown browser
and respondus monitor. Please ensure you have read that information.

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.
*If you missed turning in an assignment due during an excused absence (one in which I have been notified in advance of the class date missed), you will be required to turn in the assignment by the next class date.* Again, assignments are generally known in advance so there should be no reason to miss due dates in general.

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**
September 3 Holiday
November 27, 28, 29-Thanksgiving Holiday
December 10 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/](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](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](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](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](http://www.angelo.edu/dept/nursing/student_resources/computer_requirements.php)

**Required Textbooks:**

**Textbook:**


**Other:**