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 2019
Undergraduate Pathophysiology

Week One (January 15, 17)
Chapter one (Introduction to Pathophysiology)
Chapter six (Genetic and Developmental Disorders)
Chapter two (Altered cells and tissues)

Week Two (January 22, 24)
Chapter two (Altered cells and tissues)-continued
Chapter seven (Altered cellular proliferation and differentiation)

Week Three (January 29, 31)
Chapter seven (Altered cellular proliferation and differentiation)-continued
Chapter three (Inflammation and tissue repair)

Week Four (February 5, 7)
Chapter three (Inflammation and tissue repair)
Exam One (chapters 1, 2, 6 & 7)-February 7

Week Five (February 12, 14)
Chapter four (Altered Immunity)
Review Exam One

Week Six (February 19, 21)
Chapter eight (Altered electrolyte imbalance; fluid imbalance)

Week Seven (February 26, 28)
Chapter eight (fluid imbalance continued)
Chapter nine (acid base balance)

Week Eight (March 5, 7)
Chapter eighteen (Altered elimination)
Exam Two (chapters 3, 4, 8 & 9)-March 7

Week Nine (March 19, 21)
Chapter eighteen (continued)
Chapter fifteen (Altered ventilation and diffusion)
Review Exam Two
Week Ten (March 26, 28)
Chapter fifteen- continued
Chapter 16 (Altered perfusion)

Week Eleven (April 2, 4)
Chapter 16- continued
Chapter thirteen (Altered hormonal and metabolic regulation)

Week Twelve (April 9, 11)
Chapter fourteen (Altered reproductive function)
Exam Three (chapter 18, 15, 16, &13)-April 11

Week Thirteen (April 16, 18)
Chapter twenty (Combining complex pathophysiologic concepts: Diabetes mellitus)
Review exam three

Week Fourteen (April 23, 25)
Chapter ten (Altered neuronal transmission)
Chapter twelve (Altered somatosensory)

Week Fifteen (April 30, May 2)
Chapter twelve -continued
Chapter eleven (Altered mood/attention/behavior)

FINAL EXAM/May 7, 8-10 AM
Comprehensive exam (chapter 14, 20, 10, 12, 11)-50% of exam; remaining chapters 50%

General Information
Lecture days/times:
  Tuesday and Thursday 8-9:20-patho
  Monday and Wednesday 8-9:20 -microbiology
  Thursday 2-3:30 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% (see note below regarding charts notebook)*

Assignments/Quizzes/Case studies 10%

*charts notebook: worth a total of 12 points on comprehensive final
For each exam period, charts for covered chapters must be completed, scanned and submitted to bb grade center by indicated due date. If submitted complete and on time, a check will be entered into the grade center. At the end of the semester, 4 checks indicate full credit will be awarded. This translates into 3 points per testing period for a total of 12 points to be added to comprehensive final. **Charts must be complete and turned in on time to get the credit.**

*This is not mandatory. However, no other points will be available towards the final exam other than the charts assignments. The charts will be available in template format and should be filled out ideally before class of the day the chapter will be covered according to syllabus schedule.*

**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.
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 7:00. No one will be admitted to the classroom after 7:00 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.

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 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 27th –first day of Fall Semester
September 3 Holiday
November 22 and 23-Thanksgiving Holiday
December 11 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/](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](http://www.angelo.edu/services/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](http://www.angelo.edu/services/policies/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: