Course Number
NUR 2324

Course Title
Nursing Pathophysiology

Fall 2020
(3-0-0)

Instructor:
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325-486-6864

Office:
Archer College, 318N

Office Hours:
Virtual through collaborate at scheduled times provided in bb schedule

Course Information

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 Credits
(3-0-0)

Prerequisite and Co-requisite Courses
Biology 2423 (Anatomy), Biology 2424 (Physiology); minimum of C required on all coursework for consideration.

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

Program Outcomes

The following outcomes are program outcomes for BSN students. The fundamental platform on which program outcomes for the BSN student can be attained is through a fundamental understanding of pathophysiological concepts.

Upon completion of the course of BSN study, the graduate will be prepared to:

1. Integrate nursing and related theories into the planning and/or delivery of safe nursing care.
2. Engage leadership concepts, skills, and decision-making in the planning and/or implementation of patient safety and quality improvement initiatives.
3. Identify and appraise best research evidence to improve and promote quality patient outcomes.
4. Utilize technology to access information, to evaluate patient data, and/or document care.
5. Participate in political/legislative processes to influence healthcare policy.
6. Engage in effective collaboration and communication within interdisciplinary teams.
7. Design and/or implement health promotion and disease prevention strategies for culturally competent care.
8. Demonstrate standards of professional, ethical, and legal conduct.
9. Practice and/or coordinate, at the level of the baccalaureate prepared nurse, to plan and/or implement patient centered care.

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/or online, the latter of which includes pre-recorded lectures and further teaching/remediation through collaborate online. The course 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.

Student Learning Outcomes

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.
Course Delivery

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 case studies involving a variety of pathophysiologic concepts. The course is developed and is operational and accessible from blackboard (blackboard.angelo.edu).

Required Texts and Materials


Recommended Texts and Materials


Technology Requirements

To successfully complete the online version of this course, students must use lockdown browser and respondus monitor for all examinations. Students must also be familiar with Blackboard collaborate as this is the means by which virtual classroom sessions will be held.

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.

To successfully complete the didactic face to face version of this course, students must be able to access blackboard as the instructor uses blackboard solely for course development, including assignments.

To participate in ASU’s distance education programs, you need the following technology:

A Computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
The latest version of one of these web browsers: internet Explorer, Firefox, or Safari
Microsoft Office Suite or a compatible Open Office Suite
Adobe Acrobat Reader
High speed internet access
Webcam (Logitech highly recommended)
Logitech USB microphone headset

Ethernet adaptor cable required (wireless connections can drop during tests and collaborate sessions)
Refer to Angelo State University’s Distance Education website for further technology requirements: http://www.angelo.edu/distance-education/

**Topic Outline**

**Week One/ August 17-23**
Reading assignment/ chapters one and six
Assignment/ do terms worksheet -located in blackboard- *due August 23*
Assignment/ do case study 6.1 or 6.2 or 6.3-located in blackboard- *due August 23*

**Week Two/ August 24-30**
Reading assignment/chapters two and seven
Assignment/ do case 27-located in Neafsey case study book- *due September 6*

**Week Three/ September 7-13**
Reading assignment/chapter three
Assignment/ do case 7 or 17 or 26- *due September 13*

**Week Four/ September 14-20**
Exam One (chapters 1, 2, 6 and 7)- *September 14, 8 AM*
Reading assignment/ chapter four
Assignment/ do case 3- *due September 20*

**Week Five/September 21-27**
Reading assignment/chapter 8-electrolytes section
Assignment/ do case 6 or 28- *due September 27*

**Week Six/September 28-October 4**
Reading assignment/ chapter 9-acid base
Assignment/ do ABG assignment- *due October 4*

**Week Seven/October 5-11**
Exam Two/ chapters 3, 4, 8-electrolytes and 9-acid base- *October 5, 8 AM*
Reading assignment/ chapter 8-fluids
Reading assignment/ chapter 18
Assignment/ do case 8 or 10 or 25- *due October 11*

**Week Eight/October 12-18**
Reading assignment/ chapter 20

**Week Nine/October 19-25**

Reading assignment/ chapter 13

Reading assignment/ chapter 14

**Week Nine/ October 26-November 1**

Exam Three/ chapter 8-fluids, chapter 13, chapter 18 and chapter 20-October 26, 8 AM

Reading assignment /Chapter 15

Assignment/ do case 1 or 9- [due November 1](#)

**Week Ten/ November 2-8**

Reading assignment/ chapter 16

Assignment/ do case 15 or 24- [due Nov 8](#)

**Week Eleven/November 9-15**

Reading assignment/read chapter ten and twelve but focus on information that is linked with ppt in blackboard

Assignment/ none

**Week Twelve/ November 16-22**

No reading assignments/ this week will be used to finish up any remaining work through collaborate/ review for final

**Friday, November 20- 8 AM**

Final Exam (50% covers chapters 14, 15, 16, and 10, 12; remaining 50% comes from remainder of semester)

**Communication**

Faculty will respond to email and/or telephone messages within 24 hours when message is delivered during working hours Monday through Friday. Because this course will be delivered in an online format, the faculty member will check emails/discussion boards three times a day during regular working days as well as weekend days. You may not get an immediate response but a response will be forthcoming.

All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. The faculty member reserves the right to amend due dates for scheduled assignments. These usually work in the favor of the student in terms of time. However, it is the student’s responsibility to stay on top of such notifications from the faculty member. In your emails to the faculty member, include the course name and section number in your subject line.

*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.
Grading

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:

Evaluation and Grades

Examinations:
- Exam one: 15%
- Exam two: 15%
- Exam three: 15%
- Exam four: 15%
- Final Exam/comprehensive: 30%
- Assignments/Quizzes/Case studies 10%

Grading System

A = 90-100
B = 80-89.99
C = 70-79.99
D = 60-69.99
F = 0-59.99

Teaching Strategies

Students are expected to be “active learner.” It is a basic assumption of the instructor that students will be involved (beyond the materials and lectures presented in the course) discovering, processing and applying the course information using peer-review journal articles, researching additional information and examples on the internet, and discussing course material and clinical experiences with their peers.

Assignment and Activity Descriptions

Assignments for this class include case studies. These case studies are assigned to parallel the topics covered in class and affords students the opportunity to apply learnings in real life scenarios as presented by the case studies. Note templates are provided to help develop skill in study process. The note templates are designed to help students in re-synthesis of learning concepts in visual constructs to aid in learning and comprehension.

Assignment Submission

Assignments are turned in to blackboard grade center. They are scheduled by due date for submission and the assignments with corresponding due dates are provided in a document within the blackboard course.
Late Work or Missed Assignments Policy

Due dates and times for assignments are posted and made available through posted assignment documents. Failure to submit assignments on the assigned date will result in a 20-point deduction from earned grade. An additional 20 points will be deducted each subsequent day past the due date.
No papers or postings of any kind will be accepted more than one week past the assigned due date.

General Policies Related to This Course

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

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

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.
For the online version of this course, there are two mandatory virtual classroom sessions though collaborate each week. Other non-mandatory sessions will be made available for students needing further assistance.
For planning purposes, this course will probably require a minimum of 6-9 hours per week on average.
For online versions of this course, two virtual collaborate sessions will be mandatory for all students. Additionally, two to four additional sessions may be scheduled to provide students time in virtual class with professor.

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.

Testing Policy

Evaluation of student learning in this course may take a variety of forms, including in classroom testing or individual/group mini projects. For the Fall 2020 semester, all examinations will be administered remotely through lockdown browser and respondus monitor.
All exams will be started at the same time. The exam time frame for accessibility or to start the exam is narrow. Students must schedule all other conflicts to accommodate the testing duration. The exams will start at 8 AM and will be accessible for about 15 minutes. Once the exam starts students will have a minimum of 2 hours in which to complete the exam.

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.

The exams in this course are all 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.

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.

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student
Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu  
Houston Harte University Center, Room 112

**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.  
For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit:  
[www.angelo.edu/title-ix](http://www.angelo.edu/title-ix).

**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).

**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/dept/writing_center/academic_honesty.php).

**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.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex. You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form
Face to face: Mayer Administration Building, Room 210
Phone: 325-942-2022
Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: www.angelo.edu/title-ix.

Course Schedule

See topical outline above.

Grading Rubrics

No rubrics are utilized for the evaluation of case studies. These assignments are application questions that yield correct/incorrect responses based on factual information and present no subjective evaluation measures in that determination. This is a scientific based course based on factual information.

Student Evaluation of Faculty and Course

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences. Angelo State University uses the IDEA (individual development and educational assessment) system administered through Kansas State University for all course evaluations. The Office of Institutional Research and Assessment
administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.

- 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

End of Syllabus

1 https://blackboard.angelo.edu
2 https://www.angelo.edu/student-handbook/
3 https://www.angelo.edu/catalogs/
4 https://www.angelo.edu/services/disability-services/
5 https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
6 https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of
7 http://www.angelo.edu/dept/nursing/handbook/index.html