



RNSG 1311 Pathophysiology

Course Syllabus:

"Northeast Texas Community College exists to provide responsible, exemplary learning opportunities."

Dr. Kathy Carter

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Online
	4:20pm – 5:00pm	9:30am – 11:00am 1:30pm – 5:00pm	4:20pm – 5:00pm	9:30am – 11:00am 1:30pm – 5:00pm	By appointment	Email via kcarter@ntcc.edu

Course Description:

Basic principles of pathophysiology emphasizing nursing applications. Includes epidemiologic factors that alter the normal physiological processes across the lifespan.

Textbook:

Lecture: Capriotti's "PATHOPHYSIOLOGY Introductory Concepts and Clinical Perspectives" with Davis Advantage; ISBN: 978-0-8036-1571-7

Blackboard Website:

- I maintain a "Blackboard" website for you obtain outlines of PowerPoint lectures, notes, videos, study aids, reviews, etc. This is also the location where grades will be posted. Please do NOT use Blackboard mail to contact me. Instead, please DO use Eagle Mail to contact me outside of class.

Pathophysiology Student Learning Outcomes

- Understand pathology concepts relating to body organs/organ system
- Explain the nature of general pathological process across body organ systems
- Relate pathological disease processes to clinical symptomatology
- Gain clear understanding of clinically relevant disease processes in cardiology, immunology, renal, fluid/electrolyte/water balance, respiratory, hematology, endocrinology, neurology, infectious, inflammatory and gastrointestinal disorders
- Enhance critical thinking skills using Case Studies to apply principles of pathology to actual clinical scenarios
- Understand the meaning of clinical pathology test results performed to diagnose disease

Lectures & Discussions:

(Please note: dates and subject matter, including exam dates, are subject to change. I will notify you of any changes via Blackboard.)

- Week 1- Ch 2: Cellular Injury, Adaptations & Maladaptation Changes; Ch 6: Pain
- Week 2- Ch 7: Fluid and Electrolyte Imbalances; Ch 8: Acid-Base Imbalances
- Week 3- Ch 9: Inflammation; Ch 11: Disorders of the Immune System
- Week 4- **EXAM 1**; Ch 12: Disorders of White Blood Cells
- Week 5- Ch 13: Disorders of Red Blood Cells; Ch 14: Disorders of Platelets, Hemostasis, and Coagulation
- Week 6- **EXAM 2**; Ch 15: Arterial Disorders; Ch 16: Ischemic Heart Disease and Conduction Disorders
- Week 7- Ch 17: Heart Failure; Ch 18: Valvular Heart Disease
- Week 8- ; Ch 20: Respiratory Inflammation and Infection; Ch 21: Restrictive and Obstructive Pulmonary Disorders; **EXAM 3**
- Week 9- Ch 29: Disorders of the Esophagus, Stomach, and Small Intestine; Ch 30; Common Disorders of the Large Intestine
- Week 10- Ch 31: Infection, Inflammation, and Cirrhosis of the Liver; Ch 32: Gall bladder, Pancreatic, and Bile Duct Dysfunction
- Week 11- Ch 22: Renal Disorders; Ch 23: Urological Disorders
- Week 12- **EXAM 4**; Ch 24: Endocrine Disorders; Ch 25: Diabetes Mellitus and the Metabolic Syndrome
- Week 13- Ch 33: Cerebrovascular Disorders; Ch 35: Brain and Spinal Cord Injury
- Week 14- Ch 26: Disorders of the Female Reproductive System; Ch 27: Disorders of the Male Reproductive System; Ch 28: Sexually Transmitted Diseases
- Week 15- Ch 47: SIRS, Sepsis, Shock
- **FINAL EXAM DATE AND TIME TO BE DETERMINED**

Evaluation and Grading Policy:

A. Major Exams, Final Exam, Davis Advantage Homework, Case Studies

1. 4 major examinations = 60% of the course grade
2. Comprehensive FINAL EXAM = 25% of the course grade
3. Case Studies = 15 % of the course grade

a. Scantrons will be needed for exams.

Online "Davis Advantage" assignments are encouraged but not required.

- b. Davis Advantage Homework will NOT count as a grade. It is simply a learning assignment. Therefore, if you don't do it on time or don't do it, there are no point penalties. However, it is meant to further explain the chapters, so I **strongly encourage** you to do it.

- c. Case Studies will count as 15% of the grade.

B. Exam Information

1. The 4 Lecture exams will be taken at the testing center
2. The Final Exam will be taken in the classroom during Finals Week
3. You will need scantrons for exams, although there will also be case studies, problems, and short answer/essay questions on some of the exams. So, come prepared for anything.

C. FINAL EXAM IS COMPREHENSIVE

D. CASE STUDIES

1. I will post these each Wednesday and we will meet and discuss them during lunch the following Monday. They are due at the beginning of class time the following Monday.
2. If lunch doesn't work, we will meet each Monday at either 7:00am or at 5:00pm for an hour to discuss them. These are CRITICAL to your understanding of the core concepts and they are excellent at teaching you how to think. I don't care if you can memorize and regurgitate; if you cannot do that you should not be in medicine. However, there is a tremendous difference in memorization of facts and the ability to apply them to a sick person. These cases will take you through the thinking process necessary to transition you from a regurgitator to a true diagnostician. They are what will make you a terrific medical professional.

Lecture-Associated Make-up Work:

- Make-up Exams: It is the student's responsibility to get in touch with the instructor immediately if an exam is missed. See **Student Responsibilities/Expectations** section, below, for qualifications for Make-Up exam eligibility. **A failing course grade will result if the comprehensive final exam is missed or if two or more exams are missed.** Changes to this policy are solely up to the discretion of the instructor.
- All Case Study assignments are due at the **beginning** of the Monday lecture period (within the first 10 minutes of class). Case Study assignments are **accepted only** on the due date.
- Case Studies will not be taken late. You will receive a zero if you don't submit by the due date.

Course grades will be determined as follows:

90.0 --- 100 = A	60.0 --- 69.9 = D
80.0 --- 89.9 = B	59.9 and < = F
70.0 --- 79.9 = C	

Please note:

- You will be given opportunities for bonus points; therefore, the above numerical grade scale will be followed as shown, and no curve applied. The Instructor does have the ability to use discretion in the grading process.
- Due to FERPA, student privacy regulations, you will need to provide a written note listing anyone who will be allowed to pick up your work or to whom I will be able to speak about your grade or attendance.

PLEASE NOTE: All schedules (EXAMS, CASE STUDY ASSIGNMENTS, DAVIS ADVANTAGE HOMEWORK ASSIGNMENTS, ETC.) for this semester are approximate and may be changed as needed.

Student Responsibilities/Expectations:

1. I encourage and expect students to be actively engaged in lecture. Please ask questions, make comments, etc. This is meant to be a place for you to really understand pathophysiology concepts. **DON'T BE SHY! NONE OF US KNOWS EVERYTHING**, so check your egos at the door and roll up your sleeves to get "dirty" by reading and engaging in class and in the Case Study get-togethers.
2. Be polite in how you address me and your fellow classmates. If anyone gets out of line, I will ask them to leave the classroom. If disruption persists, I will call Security to take care of the disruptor(s).

3. **NO CELL PHONE USAGE IN LECTURE! NO TEXTING! YOU ARE WELCOME TO USE TABLETS OR COMPUTERS DURING LECTURE.** Cell phones will be confiscated for the lecture period if you attempt to use them.
4. **LECTURE EXAMS ARE NOT TO BE MISSED.** The only acceptable reason for missing a lecture exam is if either you or a close family member (Spouse or Child) are hospitalized or seriously ill. In either case, a Doctor's note on the Doctor's letterhead is necessary for you to be considered for a make-up exam. Additionally, to be eligible to take a make-up exam, **you must contact me via NTCC Eagle email the day of the exam to let me know why you will not be able to take the exam. If I don't hear from you, you will automatically receive a zero.**
5. **ABSOLUTELY, UNEQUIVOCALLY NO CHEATING ON EXAMS. IF YOU ARE CAUGHT CHEATING YOU WILL BE SUBJECT TO DISCIPLINARY ACTION. See "Academic Ethics" below.**
6. No Whining! Talking negatively about other faculty or your classmates will not be tolerated in class. Neither will complaints about what I ask you to do.
7. No Tardiness! Get to class on time.
8. SPELLING: If you misspell a word you will lose points. You are going into professional fields where precision is vital. Terminology and its usage is key to success.
9. No sleeping in class. You will be asked to leave class for that day after having been reminded once.
10. RESTROOM USAGE: Please use the restroom **PRIOR to class** as it is disruptive to have students getting up and coming in once class has begun. **Also, no one may leave class during an exam.**
11. **PLEASE make an appointment to see me if you have any questions. I want you to SUCCEED!**

Last Day to Drop the Course:

- **The last day to drop the course with a grade of "W" is Tuesday, November 21, 2017.**
- If circumstances require you to withdraw from this course, you must do so by that date. It is the **student's responsibility** to initiate the withdrawal with the registrar's office. **Failure to officially withdraw will result in your receiving a course grade.**

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. Refer to the student handbook for more information on this subject.

Students who cheat will be disciplined and may be removed permanently from the class.

Please review the NTCC Academic Honesty Statement in the catalog.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with Shannin Garrett, Academic Advisor/Coordinator of Special Populations located in the College Connection. She can be reached at 903-434-8218. For more information and to obtain a copy of the Request for Accommodations, please refer to the [NTCC website - Special Populations](#).

Family Educational Rights And Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.