



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

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|----|----------------------------|--------------------------|
| 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 |

HOMEWORK: Davis Advantage

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

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.

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 Monday and we will meet and discuss them during lunch the following Wednesday. They are due at the beginning of class time the following Monday.
2. If lunch doesn't work, we will meet each Wednesday at either 7:00am or at 5:00pm for an hour to discuss them.

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	

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.