

Pathophysiology

BIOL 2404

2025-2026 Course Syllabus

Instructor: Ami Wheeler, PharmD

Classroom: 337

Email: awheeler@lcisd.net

Phone: (806) 993-2321 ext: 21337

Conference: Black Days 2nd Period(10:20-11:55a)

Red Day 4th Period (2:15-3:45p)

Course Description:

Pathophysiology is an elective science course that focuses on the basic principles of disease process and how it affects the human body. It covers good health, contributing factors for disease, the processes of pathogenesis for multiple diseases as well as treatments for these diseases. This course offers a rigorous and demanding curriculum which requires a sound understanding of basic biology, anatomy and physiology, logic, and reasoning.

Course Layout:

Introduction to Pathophysiology

Mechanisms of Disease

Death and Dying

Inflammation

Neoplasms

Immune System

Blood Disease

Cardiovascular Disease

Respiratory Disease

Musculoskeletal Disease

Neurologic Disease/Mental Health

Endocrine Disease

Gastrointestinal Disease

Skin Disease

Reproductive Disease

Tutorial Hours:

Morning Tutorials 8:00-8:35a Wednesday-Friday

Pathophysiology Course Supplies:

Colored pencils and/or fine tip markers for coloring

General Classroom Supplies (scissors/glue/pencils/pens)

Grading Criteria:

Per school policy.

Late Work:

You are responsible for turning in all assignments/projects on time. Late work will result in loss of 10 points per day on participation grade. Assignments that are turned in after 3 class periods will be graded, but this will affect participation grade. Mandatory tutorials will be assigned to give the student an opportunity to complete work on the second day an assignment was late. If there is a situation that affects work being turned in by the set deadline, the student is responsible to inform me. If work has already been graded or reviewed as a class, an alternate assignment may be given. This does not apply to projects. Projects may be turned in on or before the due date. If the student misses class on the date a project is due, it is expected to be turned in the next day the student is present in class. Students that miss class on a test day MUST take the test the next regularly scheduled class they attend.

Retesting:

Any student who fails a test will have ONE opportunity to improve the grade up to 70, provided they meet the time and work requirements determined by me. If a student knows ahead of time they will miss, it is their responsibility to schedule a time with me to take the exam.

Electronic Devices:

Electronic documentation is an industry standard in healthcare. Therefore, a majority of the work in this class will be done and submitted electronically. School issued IPAD is needed EVERYDAY in this class. Please bring it charged and ready to use. Work that is not submitted or incomplete due to failure to bring a CHARGED school issued IPAD to class, will be considered late and points deducted accordingly. Students will not be allowed to use their personal computer or tablet in class. Personal cell phone use is not allowed in class.

Absences:

If the student misses a class, it is the student's responsibility to obtain any assignments or materials that were missed during the absence. Missing materials will typically be posted on Google Classroom for my class. District policy allows 1 day per each day the student was absent to turn in work that was missed before points are deducted.

Academic Dishonesty:

The healthcare profession must have a zero tolerance policy for lying, cheating, and stealing. It is critical for the student to understand and abide by the statements on academic dishonesty, plagiarism, stealing, and cheating found in the student handbook. If a student is found to be in violation of any of these statements, he or she will be subject to receiving disciplinary actions and may result in removal from the health science program.

Classroom Discipline Plan:

Per district policy

Optional Club Fees- HOSA

Health Occupations Students of America (HOSA) is a student organization for those interested in the Health Sciences. HOSA has meetings throughout the year. This is a wonderful opportunity for students to meet others interested in Health Science, to attend educational symposiums, and to participate in fundraisers, make industry based connections, and participate in community service projects set forth by the advisors and officers at Lubbock-Cooper High School. This can also be added to future college/vocational program applications. For more information : <https://texashosa.org/about-hosa/>

Dues: \$55 *More information on HOSA will be distributed at a later time*

Other Classroom Expectations:

Written work must include name, class, and date in the upper right-hand corner of the page and be done in blue or black ink, no pencil allowed unless specified for some medical math work. All writing must be legible. If errors are made, corrections should be made with a single line drawn through the word and initials. This is standard in all healthcare professions.

Due to the nature of the content, students in the Health Science program will be exposed to a variety of medical topics. This includes, but is not limited to: pictures, videos, movies, articles, and discussions. These topics are sensitive in nature and may include graphic depictions of human anatomy, disease processes, blood, bodily fluids, and other common subjects witnessed in a medical setting. Students will also be educated on several topics including, but not limited to: human growth and development, reproductive anatomy, sexually transmitted diseases, eating disorders, medical ethics, and suicide. All content is curriculum based and within parameters set forth by the Texas Essential Knowledge and Skills guidelines for this course. All subjects will be presented in a professional, medically informative, and educational manner. Please discuss these topics with your student to ensure a meaningful and appropriate class learning experience is achieved. I expect all students to behave in a respectful, professional manner in regards to material discussed as well as towards other students. Disrespect towards others will not be tolerated.

If you are triggered, emotionally and physically, about any of the topics that will be discussed, please contact your instructor by email PRIOR to that body systems scheduled lecture and accommodations will be made.

Parent/Guardian Contact:

Contact from parents is welcomed and encouraged. Only by working together are we able to achieve the best possible education for your child. To obtain a quick response to your questions or concerns, please email me at the address above. I will make every effort to respond by the end of the next school day. You may also contact me by phone; however, I will not answer the phone during class.

Disclosures:**Public Notification of Nondiscrimination in Career and Technical Education Programs**

Lubbock-Cooper ISD offers several career and technical education programs. Admission to these programs is based on student interest and course prerequisites as listed in the Lubbock-Cooper High School Course Guide. It is the policy of Lubbock-Cooper ISD not to discriminate on the basis of race, color, national origin, sex, or handicap in its career and technical education programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Lubbock-Cooper ISD will take steps to ensure that lack of English language skills will not be a barrier to admission and participation in all educational and career and technical programs. For information about your rights or grievance procedures, contact the Title IX Coordinator, Danny Davis or the Section 504 Coordinator, Tracy Fogerson at 16302 Loop 493, Lubbock, TX 79423. 806.863.7100.

(Notificación pública de No Discriminación en Programas de Educación Técnica y Vocacional) El distrito escolar de Lubbock-Cooper ISD ofrece varios programas de Educación Técnica y Vocacional. La admisión a estos programas esta basada en el interés que los alumnos muestren y los cursos pre-requeridos que se encuentran listados en la Guía de Cursos de la Secundaria en Lubbock-Cooper ISD. Es política de Lubbock-Cooper ISD es no discriminar de sus programas, servicios, educación técnica y vocacional por motivo de raza, color, país de origen, sexo o impedimentos físicos, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; Título IX de las Enmiendas en la Educación de 1972, y la Sección 504 de la ley de Rehabilitación de 1973, según enmienda. Lubbock-Cooper ISD tomará las medidas necesarias para asegurar que la falta de habilidad en el idioma Inglés no sea una barrera para la admisión y participación en todos los programas educativos y vocacionales. Para información sobre sus derechos o procedimiento de quejas, comuníquese con el coordinador del Título IX, Danny Davis y/o la coordinadora de la Sección 504, Tracy Fogerson en la siguiente dirección, 16302 Loop 493, Lubbock, TX.

SPC Dual Credit Statements: <https://www.southplainscollege.edu/syllabusstatements/>

By signing below, you agree to information provided in this Pathophysiology syllabus:

Student Name (Print): _____

Student Signature: _____ Date: _____

Parent/Guardian Name (Print): _____

Parent/Guardian Signature: _____ Date: _____

Parent/Guardian Contact Information:

Primary:

Name: _____ Relationship: _____

Phone: _____ E-mail: _____

Secondary:

Name: _____ Relationship: _____

Phone: _____ Email: _____