

HUMAN ANATOMY AND PHYSIOLOGY

COURSE GOALS: TO PROVIDE COLLEGE BOUND STUDENTS WITH AN OVERVIEW OF THE HUMAN BODY AND ITS FUNCTIONS SO THAT STUDENTS CONSIDERING A SCIENCE OR MEDICAL CAREER WILL OBTAIN THE BACKGROUND NECESSARY FOR A SUCCESSFUL TRANSITION TO INTRODUCTORY COLLEGE ANATOMY AND PHYSIOLOGY COURSES.

COURSE CONTENT:

1. MEDICAL TERMINOLOGY
2. INTRODUCTION TO ANATOMY AND PHYSIOLOGY
3. OVERVIEW OF BODY SYSTEMS
4. CHEMICAL ORGANIZATION
5. CELL STRUCTURE
6. CELLULAR CONTROL
7. TISSUE ORGANIZATION
8. BONE TISSUE AND SKELETAL STRUCTURE
9. THE SKELETAL SYSTEM : AXIAL AND APPENDICULAR
10. THE MUSCULAR SYSTEM: TISSUE AND ORGANIZATION
11. THE NERVOUS SYSTEM: TISSUE, NERVES, PATHWAYS, PROCESSES, AND HIGHER-ORDER FUNCTIONS
12. FETAL PIG DISSECTION

COURSE ACTIVITIES: A VARIETY OF LAB ACTIVITIES PROVIDING APPLICATION AND DISCOVERY POTENTIAL RELATED TO THE CONTENT LISTED ABOVE. A REVIEW OF PERTINENT INFORMATION PRIOR TO THE TEST. COMPLETION OF QUESTIONS ASSIGNED FROM THE TEXTBOOK. TERMINOLOGY QUIZZES AND UNIT TESTS.

GRADING : GRADES ARE DETERMINED BY A PERCENTAGE DERIVED FROM THE POINTS EARNED BY A STUDENT VERSES TOTAL POINTS POSSIBLE. POINTS ARE EARNED FROM HOMEWORK, LABS, TERMINOLOGY QUIZZES AND TESTS. THESE ITEMS ARE WEIGHTED AS FOLLOWS : TEST - 50%, LABS 15%,HOMEWORK 10%, AND TERMINOLOGY QUIZZES 10% AND TERMINOLOGY TESTS 15%.

PERSONAL BACKGROUND : 29th YEAR TEACHING, 27th AT ELCO.

I AM THE CURRENT ADVISOR TO THE ENVIROTHON CLUB AND THE ENVIROTHON TEAMS. TEAM MEMBERS SURVEY LOCAL STREAMS AND ASSIST WITH THE STREAM STUDY ACTIVITIES FOR THE 5TH GRADE CAMPING EXPERIENCE. I HELPED ESTABLISH THE RENAISSANCE PROGRAM FOR ACADEMIC ACHIEVEMENT AT ELCO HIGH SCHOOL AND CURRENTLY WORK WITH THE STUDENT RECOGNITION COMMITTEE. MY UNDERGRADUATE DEGREE WAS EARNED AT BLOOMSBURG UNIVERSITY AND I HAVE COMPLETED POST GRADUATE WORK (57 CREDITS) FROM VARIOUS UNIVERSITIES INCLUDING MILLERSVILLE, EAST STROUDSBURG, WILKES, LASALLE AND PENN STATE. I AM A MEMBER OF THE PENNSYLVANIA STATE SCIENCE TEACHERS ASSOCIATION, NATIONAL SCIENCE TEACHERS ASSOCIATION, AND THE LEBANON COUNTY EDUCATIONAL HONOR SOCIETY.

TEACHER ACCESS : 12:40 PM THROUGH 1:55 PM AND 2:30 PM UNTIL 3:00 PM. PLEASE FEEL FREE TO CALL THE SCHOOL OFFICE (866-7447) ANYTIME DURING NORMAL SCHOOL HOURS AND LEAVE A MESSAGE. I WILL RETURN YOUR CALL AT THE EARLIEST MUTUALLY CONVENIENT TIME OR CONTACT ME VIA E-MAIL AT : laponick@elcosd.org (please note the new address !)