

# PERCOM/Kilgore College Paramedic Consortium Paramedic Program

## ANATOMY AND PHYSIOLOGY

### EMERGENCY MEDICAL SERVICES ACADEMY

#### Course Syllabus

**COURSE PURPOSE:** This course is specifically designed to meet the minimum necessary requirements for a base knowledge of Anatomy and Physiology, which is absolutely necessary as a basic building block for more advanced EMS classes such as AEMT and Paramedic.

**TARGET AUDIENCE:** Human Anatomy and Physiology course(s) is/are considered to be a pre-requisite for the AEMT or Paramedic Program. However, if students have not completed this prior to enrolling for this program, successful completion of the Program-chosen Anatomy and Physiology course will be required. All students who can produce evidence of completion of the full Human Anatomy and Physiology components from another school via transcript and are approved will be required to take and pass the online final exam for the PERCOM chosen Anatomy and Physiology course online prior to beginning Paramedic 2 content for full credit toward program completion requirements, subject to Program Director approval. Challenge students who do not pass the A&P final exam on the first attempt will be required to complete the entire A&P course and pass the final exam for credit. Those who do not hold those transcripts verifying successful completion of college level Human Anatomy and Physiology in its entirety or its equivalent will be required to complete the entire Program selected A&P course.

**COURSE GOALS AND EXPECTED OUTCOMES:** Students who wish to certify as either NREMT-Advanced or Paramedic need entry level education regarding Human Anatomy and Physiology must pass Anatomy and Physiology to be successful in the Program(s).

#### Course Objectives:

1. Discuss and describe the anatomy of each organ system of the body and their individual organs using fundamental medical terminology.
2. Discuss and describe the basic physiology of each organ system of the body and their individual organs using fundamental medical terminology.

#### Expected Outcome:

1. Correlate basic anatomy and physiology of the human body gleaned from this course to trauma and disease processes while completing the AEMT and/or Paramedic program.

**METHODS OF EVALUATION:** Students must complete a series of Quizzes made available online at the end of each of fifteen course chapters/modules through the Jones and Bartlett Navigate 2 learning system. The student must also take an unproctored and timed Final Exam and must make a minimum grade of 70. The student must also have a minimum overall course average of 70 or higher to pass.

**DISABILITIES OR HANDICAPS:** Students who enter the program with a disability or handicap must notify the course coordinator or lead instructor by the beginning of the third class. Any alterations in testing or clinical rotations during the course do not ensure that the same alteration will be made for the student in the national-testing situation. If a student needs accommodation for a disability at a national-testing site, the student must notify the coordinator by the beginning of the third class. Any accommodation for disability at the national-testing site must be pre-arranged with the national examination program. It is not the responsibility of PERCOM to arrange or make decisions regarding the national approval of any disability or handicap that might affect the candidate during the testing process, nor does PERCOM take any responsibility for any refusal or denial of lack of acceptance by the national examination or state certifying organizations. Disabilities and Handicaps that are to receive an accommodation at the national-testing site shall be confirmed by a physician's statement of disability/handicap or any other requirements as listed by the national testing or state certifying organizations or agencies.

**SCHOLASTIC DISHONESTY:** Students are responsible for adhering to the PERCOM policy on academic dishonesty on Pgs. 26-27 of the online Student Handbook located at the web address below:

<https://www.percomcourses.com/percom-policies>

Students should also read this entire Handbook for all general Rules and Policies governing the Program and its students.

**CLASS DATES AND TIMES:** Didactic class times vary and are student dependent. It is highly recommended that the student prioritize time and learning and complete this course BEFORE starting the actual P1/P2 didactic course content for AEMT or Paramedic. However, it is not mandatory and some students choose to complete the A&P component while working on the first modules of P1/AEMT.

## Recommended

**Textbooks:** [Anatomy & Physiology For The Prehospital Provider \(American Academy of Orthopaedic Surgeons\) 2nd Edition](#)

Students who have presented proof of prior completion of A&P from a college or other Paramedic program and have been approved by the Program Director may choose not to

purchase this text. However, a purchase for online access to the PERCOM course available through Jones and Bartlett Navigate 2 is required to take the Final Exam.

All students MUST purchase the textbook (or access without textbook) and set up inside the Navigate 2 system from Jones and Bartlett before taking any tests. The Course Code is located inside the P1 and P2 coursework on percomcourses.com and must be entered FIRST to ensure the student is taking the tests designated for the Program.

**Primary Instructors:** Jane E. Dinsmore, B.S., LP, NRP, Coordinator, Program Director

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## HUMAN ANATOMY AND PHYSIOLOGY COURSE SCHEDULE

1	Human Anatomy and Physiology: An Overview
2	Cells
3	The Skeletal System
4	The Musculoskeletal System
5	The Respiratory System
6	The Circulatory System
7	The Lymphatic and Immune System
8	The Nervous System
9	The Integumentary System
10	The Gastrointestinal System
11	The Endocrine System
12	The Urinary System
13	The Reproductive System and Human Genetics
14	Special Sensory Systems
15	Nutrition and Metabolism
	Final Exam