Course Outcomes Assessment

Course Title: EMS 155 Anatomy and Physiology for EMS Providers

Date: Fall 2016

Program Team: Robert Cathor

Expected Learning Outcomes:

- Integrates comprehensive knowledge of pathophysiology of the 12 major organ systems.
- Describe the relationship between homeostasis and health.
- Explain how hormones, enzymes, proteins, pathogens, and electrolytes affect the major organ systems and how they function within the human body.
- Explain the basis of infectious, immunologic, inflammatory, ischemic, metabolic, nutritional, genetic, congenital, neoplastic, traumatic, physical iatrogenic and idiopathic classification of diseases.
- Define tonicity and compare isotonic, hypotonic, and hyper tonic solutions and the uses in the field.

Assessment (How do or will students demonstrate achievement of each outcome?)

Cognitive: 60%
- Quizzes 30%
- Forum 20%
- Midterm 20%
- Final Exam 30%

Psychomotor: 20%
- Skills (minimum of 70% to Pass) P/F
- Case Studies
- Simulation

Affective Domain: 20%
- AD Midterm 20%
- AD Final 20%
- Attendance and Participation 60%
  - Tuesday Lab 50%
  - Online Participation 50%

Validation (What methods have you used or will you use to validate your assessment?)

Students must pass each course with a 70% or greater, receive satisfactory marks in laboratory/clinical skills and affective domain in order to continue with program.

Results (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

/13 student obtained a 70% or higher in the course.

Follow-up (How have you used or how will you use the data to improve student learning?)

Evaluation of exam scores and NREMT certification results will be used to evaluate outcomes success and the need for additional resources.

Paramedic FISDAP Entrance Exam /13 students who took the exam scored lower than 70% on the A&P section.
Only /13 who failed the A&P section on the Paramedic FISDAP Entrance Exam also failed EMS 155.

Budget Justification (What resources are necessary to improve student learning?)

No changes needed.