COURSE INFORMATION FORM

DISCIPLINE   Emergency Medical Services
COURSE TITLE Medical Emergencies
CR.HR       3          LECT HR. 3          LAB HR.          CLIN/INTERN HR.          CLOCK HR.

CATALOG DESCRIPTION
This course provides an in depth review of human anatomy and physiology. Students will gain knowledge in
pathophysiology within the human body and management of non-traumatic medical emergencies.

PREREQUISITES
HLSC 108 or BIOL 109 or BIOL 110 and BIOL 210, EMS 154, 159, 168, 176, 192 with a grade of C or better.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing neurological
disorders.
2. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing abdominal and
gastrointestinal disorders.
3. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing immunological
disorders.
4. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing an infectious
disease.
5. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing endocrine
disorders.
6. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing behavioral
disorder.
7. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing toxicology
disorder.
8. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing hematological
disorders.
9. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing genitourinary
and renal disorders.
10. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing non-traumatic
musculoskeletal disorders.
11. Demonstrate proper assessment techniques, management, and treatment for a patient experiencing diseases of the
eyes, ears, nose, and throat.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses
identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes       ESO

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PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Effectively communicates as an EMS professional.
2. Demonstrates professional behaviors associated with a prehospital professional.
3. Demonstrates the ability to competently deliver prehospital emergency medical care.
4. Demonstrates an understanding of basic emergency medical systems.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

Written Examinations (1-11)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Medical Overview
   A. Patient Complaint
   B. Transport Mode
   C. Destination Determination

II. Neurology
   A. Anatomy
   B. Physiology
   C. Epidemiology
   D. Physiology
   E. Psychosocial Impact
   F. Assessment
   G. Management

III. Abdominal and Gastrointestinal
    A. Anatomy
    B. Physiology
    C. Epidemiology
    D. Physiology
    E. Psychosocial Impact
    F. Assessment
    G. Management

IV. Immunology
    A. Anatomy
    B. Physiology
    C. Epidemiology
    D. Physiology
    E. Psychosocial Impact
    F. Assessment
    G. Management

V. Infectious Disease
    A. Anatomy
    B. Physiology
    C. Epidemiology
    D. Physiology
    E. Psychosocial Impact
    F. Assessment
    G. Management

VI. Endocrinology
    A. Anatomy
    B. Physiology
    C. Epidemiology
    D. Physiology
    E. Psychosocial Impact
    F. Assessment
    G. Management

VII. Behavioral
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management  

VIII. Toxicology  
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management  

IX. Hematology  
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management  

X. Genitourinary/Renal  
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management  

XI. Non-Traumatic Musculoskeletal Disorders  
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management  

XII. Diseases of the Eyes, Ears, Nose, and Throat  
A. Anatomy  
B. Physiology  
C. Epidemiology  
D. Physiology  
E. Psychosocial Impact  
F. Assessment  
G. Management