



**Purpose:** It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

**Course Title** – Medical Emergencies  
**Course Prefix and Number** - EMSP 2434

**Department** - Public Safety Training                      **Division** - Vocational Science

**Course Type:** (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

**Semester Credit Hours # : Lecture hours# : Lab/other hours #**      **4:3:3**

**Equated Pay hours for course** – 4.5

**Course Catalog Description** - Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics.

**Prerequisites/Co requisites** - TSI Reading requirement met; EMSP 1401, EMSP 1260, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2444, EMSP 2261

Co-Requisites: EMSP 2338, EMSP 2243, EMSP 2330, EMSP 2262 and EMSP 2248

List Lab/ Other Hours
Lab Hours 3
Clinical Hours
Practicum Hours
Other (list)

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**Date** 9/21/11

**Reviewed by department head** Maggie Mejorado

**Date** 3/27/2012

**Accuracy verified by Division Chair** Terry David Lynch

**Date** 3/27/2012

**Approved by Dean of Vocational Instruction or Vice President of Instruction** Lac

**Date** 11-9-12



**I. Topical Outline –**

**I. Medical Emergencies**

- A. Pathophysiology- Disruption in Ventilation, Disruption in Diffusion, Disruption in Perfusion
- B. Assessment of the Respiratory System-
  - 1. Scene Size-Up
  - 2. Primary Assessment
  - 3. Secondary Assessment
- C. Management of Respiratory Disorders
- D. Specific Respiratory Diseases
  - 1. Upper Airway Obstruction
  - 2. Noncardiogenic Pulmonary Edema/ Adult
  - 3. Respiratory Distress Syndrome
  - 4. Obstructive Lung Disease
  - 5. Emphysema
  - 6. Chronic Bronchitis
  - 7. Asthma
  - 8. Upper Respiratory Infection
  - 9. Pneumonia
  - 10. Severe Acute Respiratory Syndrome (SARS)
  - 11. Lung Cancer
  - 12. Toxic Inhalation
  - 13. Carbon Monoxide Inhalation
  - 14. Pulmonary Embolism
  - 15. Spontaneous Pneumothorax
  - 16. Hyperventilation Syndrome
  - 17. Central Nervous System Dysfunction
  - 18. Dysfunction of the Spinal Cord,
  - 19. Nerves or Respiratory Muscles

**II. Course Learning Outcomes**

<b>Course Learning Outcome</b>	<b>Method of Assessment</b>
The student will be able to integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for the medical patient; and integrate multiple determinates of medical conditions into clinical care.	Written Exams, course schedules/syllabus, scenario assessments, clinical manuals, student handbooks, and assesment graphs. Patient care assessments, oral interviews, critical thinking skills and decision making.

**III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.**

- AAOS Emergency Care in the Streets 6<sup>th</sup> Ed.
- AAOS Emergency Care in the Streets 6<sup>th</sup> Ed. Workbook
- Medical Dictionary
- WCJC EMS Student Handbook in a WCJC Red Binder
- Spiral notebook or similar for classroom notes and clinical site notes
- Black pens

2- #2 pencils  
Loose-leaf notebook paper for assignments (can be kept in the 3 ring binder)  
Uniform  
Stethoscope  
EMT scissors  
Penlight  
Physical Exam

**IV. Suggested Course Maximum - 30**

**V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.**

Data projector, Computer

**VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course**

Chapter Tests -20%  
Major Exams -40%  
Final Exam - 40%

**VII. Curriculum Checklist**

- **Academic General Education Course** (from ACGM – but not in WCJC Core)  
No additional documentation needed
  
- **Academic WCJC Core Course**  
Attach the Core Curriculum Checklist, including the following:
  - Basic Intellectual Competencies
  - Perspectives
  - Exemplary Educational Objectives
  
- **WECM Courses**  
If needed, revise the Program SCANS Matrix & Competencies Checklist.