



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 – EMS Operations
Course Prefix and Number - EMSP 2338

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 # **3:2:3**

Equated Pay hours for course – 3.5

Course Catalog Description – Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents.

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 2243, EMSP 2330, EMSP 2434, 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 –

- *Ambulance Standards- Ambulance Design, Medical Equipment Standards, Additional Guidelines
- *Checking and Maintaining Ambulances
- *Ambulance Deployment and Staffing- Traffic Congestion, Operational Staffing
- *Safe Ambulance Operations- Educating Providers, Reducing Ambulance Collisions, Standard Operating Procedures, The Due Regard Standard, Lights and Siren: A False Sense of Security, Escorts and Multiple-Vehicle Responses, Parking and Loading the Ambulance, The Deadly Intersection
- *Utilizing Air Medical Transport- Fixed-Wing Aircraft, Rotorcraft, Advantages and Disadvantages of Air Transport, Activation, Indications for Patient Use, Patient Preparation and Transfer, Scene Safety and the Landing Zone
- *Origins of Emergency Incident Management- Regulations and Standards, A Uniform, Flexible System
- *Command- Establishing Command, Incident Size-Up, Singular versus Unified Command, Identifying a Staging Area, Incident Communications, Resource Utilization, Command Procedures, Termination of Command
- *Support of Incident Command- Command Staff, Finance/Administration, Logistics, Operations, Planning
- *Division of Operations Functions- Branches, Groups and Divisions, Units, Sectors
- *Functional Groups within an EMS Branch- Triage, Morgue, Treatment, On-Scene Physicians, Staging, Transport Unit, Extrication/Rescue Unit, Rehabilitation Unit, Communications
- *Disaster Management- Mitigation, Planning, Response, Recovery,
- *Meeting the Challenge of Multiple-Causality Incidents- Common Problems, Preplanning, Drills and Critiques, Disaster Mental Health Services
- *Role of the Paramedic
- *Protective Equipment- Rescuer Protection, Patient Protection
- *Safety Procedures- Rescue SOPs, Crew Assignments, Preplanning
- *Rescue Operations- Phase One: Arrival and Size-Up, Phase Two: Hazard Control, Phase Three: Patient Access, Phase Four: Medical Treatment, Phase Five: Disentanglement, Phase Six: Patient Packaging, Phase Seven: Removal/Transport
- *Surface Water Rescues- General Background, Moving Water, Flat Water
- *Hazardous Atmosphere Rescues- Confined-Space Hazards, Confined-Space Protections in the Workplace, Cave-Ins and Structural Collapses
- *Highway Operations and Vehicle Rescues- Hazards in Highway Operations, Auto Anatomy, Rescue Strategies, Rescue Skills Practice
- *Hazardous Terrain Rescues- Types of Hazardous Terrain, Patient Access in Hazardous Terrain, Patient Packaging for Rough Terrain, Patient Removal from Hazardous Terrain, Extended Care Assessment and Environmental Issues
- *Role of the Paramedic- Requirements and Standards, Levels of Training
- *Incident Size-Up- IMS and Hazmat Emergencies, Incident Awareness, Recognition of Hazards, Identification of Substances, Hazardous Materials Zones
- *Specialized Terminology- Terms for Medical Hazmat Operations, Toxicological Terms
- *Contamination and Toxicology Review- Types of Contamination, Routes of Exposure, Cycles and Actions of Poisons, Treatment of Common Exposures
- *Approaches to Decontamination- Methods of Decontamination, Decontamination Decision Making, Field Decontamination
- *Hazmat Protection Equipment
- *Medical Monitoring and Rehabilitation- Entry Readiness, Postexit “Rehab”, Heat Stress Factors
- *Importance of Practice

II. Course Learning Outcomes

Course Learning Outcome	Method of Assessment
The student will be able to implement management and principles of routine and specialized incidents.	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 6th Ed.
AAOS Emergency Care in the Streets 6th 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.