

# Course Syllabus

**Department:** Physical Education and Integrated Health Care

**Date:** October 2012

## I. Course Prefix and Number: EMCR 130

**Course Name:** Certified First Responder

**Credit Hours and Contact Hours:** 2 credit hours, 4 contact hours

**Catalog Description including pre- and co-requisites:** This course offers basic training to the professional rescuer who arrives first on the scene of a medical emergency. The purpose of this course is to improve the quality of emergency medical care to patients in the pre-hospital setting by personnel involved in on-scene rescue.

**Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:**

This course may be used for Physical Education or General Elective credits.

## II. Course Student Learning Outcomes:

**The student will:**

1. Identify life threatening emergencies.
2. Implement immediate steps to correct any life threatening emergencies.
3. Perform CPR and use an AED.
4. Administer oxygen
5. Prevent the patient's condition from worsening before higher trained EMS providers arrive.
6. Treat shock, stabilize fractures, bandage wounds and provide other needed care.

**College Learning Outcomes Addressed by the Course:** *(check each College Learning Outcome addressed by the Student Learning Outcomes)*

- |   |   |
|---|---|
| <input type="checkbox"/> writing                        | <input checked="" type="checkbox"/> computer literacy |
| <input checked="" type="checkbox"/> oral communications | <input type="checkbox"/> ethics/values                |
| <input checked="" type="checkbox"/> reading             | <input type="checkbox"/> citizenship                  |
| <input type="checkbox"/> mathematics                    | <input type="checkbox"/> global concerns              |
| <input checked="" type="checkbox"/> critical thinking   | <input type="checkbox"/> information resources        |

**III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):** *For each identified outcome checked, please provide the specific assessment measure.*

List identified College Learning Outcomes(s)	Specific assessment measure(s)
Computer Literacy	Student must complete several online classes requiring completion and certification in NIMS 100, MOLST, Mandatory Child Reporting and Hazardous Materials Awareness. Upon successful completion of these classes online a certificate is issued that must be kept with the student's records.
Oral Communications	Student will learn to verbally communicate with the patient through mock patient assessment scenarios and the NYSDOH Bureau of EMS Practical Skills Exam.
Reading	Student will complete written quizzes, exams and NYSDOH Bureau of EMS Written Exam
Critical Thinking	Student will develop critical thinking skills through hands-on mock patient assessment scenarios and the NYSDOH Bureau of EMS Practical Skills Exam.

**IV. Instructional Materials and Methods**

**Types of Course Materials:**

Textbooks, Workbooks, Manikins and various other types of EMS equipment. Instructor will review and reinforce the materials the student has read. The student will be instructed on the various pieces of equipment used in the curriculum.

**Methods of Instruction (e.g. Lecture, Lab, Seminar ...):**

The instructor will lecture. There will be instruction of labs and scenario role playing during the course also.

**V. General Outline of Topics Covered:**

- EMS Systems
- EMS Systems Communications
- Medical/Legal/Ethics
- Anatomy and Physiology
- Medical Terminology
- Pathophysiology
- Life Span Development
- Public Health

- Pharmacology
- Airway Management, Respiration and Oxygenation
- CPR/AED
- Patient Assessment – Trauma and Medical Patients
  - Scene Size Up
  - Primary Assessment
  - History Taking
  - Secondary Assessment
  - Reassessment
- Medical Emergencies
  - Medical Overview
  - Neurology
  - Abdominal and Gastrointestinal Disorders
  - Immunology
  - Infectious Diseases
  - Endocrine
  - Psychiatric
  - Cardiovascular
  - Toxicology
  - Respiratory
  - Genitourinary/Renal
  - Gynecology
  - Diseases of Eyes, Ears, Nose and Throat
- Shock and Resuscitation
- Trauma
  - Overview
  - Orthopedic Trauma
  - Soft Tissue Trauma
  - Head, Facial, Neck and Spine Trauma
  - Special Considerations in Trauma
  - Environmental
  - Multi-system Trauma
- Special Patient Populations
  - Pregnant Patients
  - Pediatrics
  - Geriatrics
  - Patients with Special Challenge
- EMS Operations
  - Principles of Safely Operating a Ground Ambulance
  - Incident Management
  - Air Medical
  - Vehicle Extrication
  - Hazardous Materials Awareness
  - Mass Casualty Incidents Due to Terrorism or Disaster