BARTON COMMUNITY COLLEGE
COURSE SYLLABUS

I. GENERAL COURSE INFORMATION

Course Number: EMHS 1964
Course Title: COMMUNITY EMERGENCY RESPONSE TEAM
Credit Hours: 2
Prerequisites: NONE
Division/Discipline: Technical and Military Outreach
Course Description: The purpose of the *Community Emergency Response Team (CERT) Basic Training* is to provide the individuals who complete this course with the basic skills that they will need to respond to their community's immediate needs in the aftermath of a disaster, when emergency services are not immediately available. By working together, CERT members can assist in saving lives and protecting property using the basic techniques in this course. The target audience for this course is individuals who desire the skills and knowledge required to prepare for and respond to a disaster.

II. INSTRUCTOR INFORMATION

III. COLLEGE POLICIES

Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage.)

Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at disabilityservices@bartonccc.edu.

IV. COURSE AS VIEWED IN THE TOTAL CURRICULUM

This course will provide standard requirements for Community Emergency Response Teams. After learning this material, the students will be able to utilize the knowledge to respond to their communities' immediate needs in the aftermath of a disaster.

V. ASSESSMENT OF STUDENT LEARNING

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

A. Describe the types of hazards that are most likely to affect their homes, workplaces, and neighborhoods.
   1. Organize response teams in a natural disaster (e.g. earthquakes, wildfires, floods, extreme heat, hurricanes, landslides, thunderstorms, tornados, tsunamis, volcanic eruptions, winter storms) situation
   2. Organize response teams in a technological (e.g. hazardous material spill, nuclear power plant accidents) situation
   3. Organize response teams in an intentional (e.g. terrorism using chemical, biological, radiological, nuclear or explosive weapons) situation

B. Take steps to prepare themselves and their families for a disaster.
   1. Develop a disaster plan
   2. Construct an escape plan
   3. Assemble a disaster supply kit
   4. Research the impact of hazards through mitigation
   5. Identify ways of fortifying your home

C. Describe the functions of CERTs and the roles in immediate response.
   1. Locate and turn off utilities if safe to do so
   2. Extinguish small fires
   3. Treat life-threating injuries until professional assistance can be obtained
   4. Conduct light search and rescue operations
   5. Help disaster survivors cope with their emotional stressors

D. Identify and reduce potential fire hazards in their homes, workplaces and neighborhoods.
   1. Design ways of preventing and responding to electrical hazards
   2. Demonstrate correct way to shutoff natural gas meters
   3. Determine safety considerations for flammable liquid hazards
   4. Identify ways to determine hazardous materials

E. Work as a team to apply basic fire suppression strategies, resources, and safety measures to extinguish a pan fire.
   1. Explain fire extinguisher rating and labeling
   2. Demonstrate the proper use of a fire extinguisher
   3. Demonstrate fire suppression safety rules

F. Apply techniques for opening airways, controlling excessive bleeding and treating for shock.
   1. Explain and demonstrate the “head tilt/chin lift” method to clear airway
   2. Explain and demonstrate the three main methods for controlling bleeding
   3. Evaluate and demonstrate how to treat the three main signs for shock

G. Conduct triage under simulated disaster conditions.
   1. Explain the reasons for triage
   2. Arrange victims into four triage categories
   3. Demonstrate the proper use of Personal Protective Equipment (PPE) and correct removal of PPE
   4. Demonstrate proper procedures for evaluating and documentation of victims during triage

H. Perform head-to-toe patient assessments.
   1. Determine as clearly as possible the extent of the injuries
   2. Determine what type of treatment is needed
   3. Document injuries

I. Select and set up a treatment area.
   1. Determine best location(s) for the CERT treatment areas
      a. Safety of rescuers and victims
      b. Most effective use of resources, e.g. CERT members themselves, time, medical supplies

J. Employ basic treatments for various injuries and apply splints to suspected fractures and sprains.
   1. Explain difference between open and closed fracture
   2. Immobilize the injury and joint above and below the injury site
   3. Assess pulse, movement, sensation (PMS) in affected limb
   4. Demonstrate correct procedures for splinting the upper and lower leg
   5. Treat heat and cold injuries
   6. Treat bites and stings

K. Identify planning and size up requirements for potential search and rescue situations.
   1. Explain Sizeup (assess the situation)
   2. Explain Search (locate victims, document locations)
   3. Explain Rescue (Procedures, methods required to extricate the victims)

L. Describe the most common techniques for searching a structure.
   1. Mark a slash near door prior to entering

2. Mark another slash upon exiting
3. Explain purpose of the markings
4. Explain search methodology
   a. Call out
   b. Use systematic search patterns
   c. Stop frequently, listen
   d. Triangulate
   e. Report results

M. Work as a team to apply safe techniques for debris removal and victim extrication.
   1. Demonstrate proper lifting techniques
   2. Demonstrate leveraging and cribbing
   3. Demonstrate different techniques for extracting victims

N. Describe ways to protect rescuers during search and rescue operations
   1. Recognize limits of CERT personnel
   2. Chose appropriate PPE
   3. Recommend the use of the buddy system

O. Describe post-disaster emotional environment and steps that rescuers can take to relieve their own stressors and those of disaster survivors.
   1. Explain and identify (vicarious trauma)
   2. Identify possible psychological symptoms
   3. Identify possible physical symptoms
   4. Determine ways to reduce stress
   5. Discuss Critical Incident Stress Debriefing (CISD)
   6. Recognize traumatic crises/stress factors
   7. Identify ways of stabilizing victims through psychological intervention

P. Describe CERT organization and documentation requirements.
   1. Identify how CERTs interrelate with the Incident Command System (ICS)
   2. Identify how (ICS) is part of the National Incident Management System (NIMS)
   3. Validate NIMS standards, CERT members must complete through FEMA
      a. IS-100.a (Introduction to Incident Command)
      b. IS-700.b (Introduction to National Incident Management System)
   4. Explain how and why CERT teams get activated
   5. Identify documentation required and the importance of documentation

VI. INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS

VII. TEXTBOOKS AND OTHER REQUIRED MATERIALS

VIII. REFERENCES

IX. METHODS OF INSTRUCTION AND EVALUATION

X. ATTENDANCE REQUIREMENTS

XI. COURSE OUTLINE