Tulsa Tech
FY16 Course Syllabus

DIASTER AND EMERGENCY PREPAREDNESS
Course Syllabus

Course Number: STAP-0537  
OHLAP Credit: No
OCAS Code: None
Course Length: 15 Hours
Career Cluster: Health Science
Career Pathway: Therapeutic Services
Career Major(s): Surgical Technologist (Accredited Program)

Pre-requisite(s):

Course Description: This course includes these aspects of emergency preparedness and disaster training: preparation and planning, detection and communication, incident management and support systems, safety and security, clinical/public health assessment and intervention, contingency, continuity and recovery and public health law and ethics.


Online Resources: Blackboard

Course Objectives:

A. Describe disasters or public health emergencies that impact public health including different types of disasters (natural, unintentional, and terrorist events).

B. Describe the all-hazards framework.

C. Explain key components of personal, family, institutional, community and regional disaster preparation and planning as related to the following:
   a. Available informational resources
   b. Special needs of individuals
   c. Precautions and actions for protection
   d. Detection
   e. Immediate response
   f. Short term Interventions
   g. Long term Interventions

D. Describe communication strategies and procedures used in a disaster including barriers to communicating and disseminating health information, reporting systems and procedures for contacting family, co-workers and local authorities.

E. Describe the purpose and relevance of disaster support services including rationale for integration and coordination for all systems:
   a. National response Framework (NRF)
   b. National incident Management (NIMS)
   c. Hospital Incident Command System (HICS)

F. Describe the potential impact of mass casualties on the clinical and public health resources including infection control precautions, personal protective equipment and decontamination procedures.

G. Explain the role of triage as a basis for prioritizing or rationing health care services for victims.
H. Describe the possible medical and mental health consequences, interventions and solutions for managing those affected including the psychological, emotional, cultural, religious and forensic considerations for management of mass fatalities and the resources, supplies and services available:¹
   a. Immediate care
   b. Mass facility management
   c. Mass evacuation
   d. Mass sheltering
   e. Prolonged sheltering

I. Explain both the basic life-saving and life-support principles and procedures that can be used at a disaster scene.¹

J. Describe issues relevant to the management of individuals of all ages, populations and communities affected by a disaster or public health emergency: ¹
   a. Moral
   b. Ethical
   c. Legal
   d. Regulatory

K. Describe the support roles of the surgical technologist, or other health care providers, as applicable to a specific Career Major, in a disaster.¹

¹ ODCTE Objective
All unmarked objectives are TTC instructor developed.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and lab practice and performance.
   2. Each course must be passed with eighty (80%) percent or better.
   3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
   4. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/ College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 3.0 or better.

Content Outline: Student will write a report describing a disaster or public health emergency that would impact
the public. This could be natural, unintentional, or a terrorist event.

Examples of disasters:

- Haiti
- Japan Nuclear Facility
- Katrina
- 9/11
- Joplin Tornado
- OKC Bombing
- Airline Crash
- Earthquake
- Anthrax
- Hurricane
- Ice Storm
- Floods
- Terrorist Attack
- Volcano Eruption

- Explain key components of personal, family institutional, community and regional disaster preparation and planning as it relates.
- Describe disaster support services as related to your chosen disaster.
- Explain the role of triage as a basis for prioritizing or rationing health care services for victims.
- Describe the possible medical and mental health consequences, interventions and solutions for managing those affected.
- Considerations for mass fatalities, what to do.
- Mass evacuation?
- Mass Sheltering?
- Prolonged sheltering?
- Moral, Ethical, and Legal ramifications
- Describe the support roles of the Surgical Technologist.
- Cultural, religious, and forensic considerations when dealing with mass casualties.