

Prepared by the Department Social Sciences and Human Services
Date of Departmental Approval: September, 2006
Date approved by Curriculum and Programs: September 27, 2006

Effective: Fall 2007

1. Course Number: FSC130
Course Title: Shipboard Firefighting

2. Description: This course is designed to give the students an understanding of the maritime industry by providing information on maritime terminology, ship construction, firefighting shipboard fire protection systems and shipboard firefighting. The course focuses on the necessary tactic and strategies needed to deal with a maritime fire as well as the various agencies that can provide assistance in dealing with a shipboard fire. Students will be given a tour of a ship, during which time the systems will be explained and the shipboard fire fighting problems discussed.

3. Student Learning Outcomes (instructional objectives; intellectual skills): Upon successful completion of this course, students are able to do the following:

- Compare and contrast tactics and strategies used in fighting fire aboard sea going vessel with land based fire resources.
- Analyze ship construction and problems that would affect fire control.

4. Credits: 3 credits

5. Satisfies General Education Requirement: No

6. Prerequisite: None

7. Semester(s) Offered: Varies

8. Suggested General Guidelines for Evaluation: Evaluation may include but is not limited to examinations, papers, projects, presentations, and simulations.

9. General Topical Outline (Optional):

1. Introduction, Fire Science and Chemistry
2. Vessel Types, Construction
3. On Board Fire Fighting Equipment
4. Maritime Extinguishers
5. Maritime Water Firefighting Stations
6. Maritime Foam Firefighting Systems
7. Fire & Smoke Detection Systems
8. Fixed Fire Suppression Systems
9. Pre-Incident Planning & General Firefighting
10. Ship Tour
11. Incident Management, Safety, Damage Control and Dewatering
12. Incident Management
 - a. in open water
 - b. in port
 - c. aground