FIRE 212 Course Outline as of Fall 2013

CATALOG INFORMATION

Dept and Nbr: FIRE 212 Title: RESCUE SYSTEMS 1
Full Title: Rescue Systems 1
Last Reviewed: 11/14/2011

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	0.50	17.5	Lecture Scheduled	8.75
Minimum	1.00	Lab Scheduled	1.75	1	Lab Scheduled	30.63
		Contact DHR	0		Contact DHR	0
		Contact Total	2.25		Contact Total	39.38
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 17.50 Total Student Learning Hours: 56.88

Title 5 Category:	AA Degree Applicable
Grading:	Grade or P/NP
Repeatability:	21 - Legally Mandated Repetition
Also Listed As:	
Formerly:	

Catalog Description:
This course is designed to provide an overview of the California Urban Search and Rescue System (US&R) with an emphasis on the principles and techniques used to rescue persons trapped in a structural collapse incidents using the Incident Command System (ICS).

Prerequisites/Corequisites:
Fire 208.1 or equivalent.

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: This course is designed to provide an overview of the California Urban Search and Rescue System (US&R) with an emphasis on the principles and techniques used to rescue persons trapped in a structural collapse incidents using the Incident Command System (ICS). (Grade or P/NP)
Prerequisites/Corequisites: Fire 208.1 or equivalent.
Recommended:

Limits on Enrollment:
Transfer Credit:
Repeatability: Legally Mandated Repetition

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
1. Describe how a US&R team functions within the California US&R system.
2. Identify the safety and medical considerations associated with US&R activities.
3. Describe the planning and preparation necessary to conduct US&R operations.
4. Demonstrate the ability to deploy the appropriate anchors, knots and packaging techniques when conducting rope rescue operations.
5. Demonstrate the ability to safely stabilize, raise, move and lower multiple heavy objects.
6. Describe the procedures used to safely perform breaking and breaching of wall assemblies.
7. Describe the components and operational functions of ladder rescue systems.
8. Describe the skills and techniques used to safely shore and operate around compromised structures.

Topics and Scope:

1. The California US&R System
2. Rescue Operations
3. US&R Safety and Medical Care for Victims
4. US&R Planning and Preparation
5. Rope Systems
   a. Rescue knots and hitches
   b. Anchor systems
   c. Rescuer and ambulatory victim packaging
   d. System attachments and fall restraint
   e. Belay and safety line systems
   f. Rappelling and descending
   g. Lower and raise man line systems and vertical lower raise systems
6. Lifting and Moving Heavy Objects
7. Breaking and Breaching
8. Ladder Rescue Systems

9. Emergency Building Shores
   a. Types of structure shoring systems
   b. Basic tools and equipment
   c. Class I timber shore
   d. Class II vertical shore
   e. Horizontal shores
   f. Pre-constructed window and door shores
   g. Sloped surface shore with cribbing
   h. Split sole raker shore system
   i. Cutting stations
10. Rope Rescue Scene Management

Assignment:

1. Scene management exercise
2. Reading 10-20 pages between sessions
3. 8-10 manipulative based scenarios
4. Completion of skills worksheets (8-10)
5. 3-5 quizzes

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Command and decision-based scenarios	Problem solving 5 - 10%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance based manipulative scenarios	Skill Demonstrations 40 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice quizzes	Exams 20 - 30%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation	Other Category 10 - 20%

Representative Textbooks and Materials:
Rescue Systems 1, CFSTES Manual by California Fire Service Training and Education System, 2009