

CSFM 076: LOW ANGLE RESCUE OPERATIONAL

Date Submitted: Sat, 27 Jun 2020 00:24:08 GMT

Originator

asventura

Justification / Rationale

Periodic course review. The last time the state increased these fees was in 2008. SFT has new diploma fee increases that will go into effect on July 1, 2020.

Effective Term

Fall 2020

Credit Status

Credit - Degree Applicable

Subject

CSFM - California State Fire Marshal

Course Number

076

Full Course Title

Low Angle Rescue Operational

Short Title

LARRO

Discipline**Disciplines List**

Fire Technology

Modality

Face-to-Face

Catalog Description

This course is designed to equip the student with the techniques and methods for using rope, webbing, hardware friction devices, litters in low angle rescue situations. Areas covered include rope and related equipment, anchor systems, safety lines, stretcher lashing and rigging, mechanical advantage systems, and single-line and two-line rescue systems. The CSFM 076 course is a California State Fire Marshal (CSFM) course. Upon successful completion of the course, a CSFM diploma fee of \$75 is required for this course to cover the California State Fire Training Certificate of Completion.

Schedule Description

This course is designed to equip the student with the techniques and methods for using rope, webbing, hardware friction devices, and litters in low angle rescue situations. The CSFM 076 course is a California State Fire Marshal (CSFM) course. Upon successful completion of the course, a CSFM diploma fee of \$75 is required for this course to cover the California State Fire Training Certificate of Completion.

Lecture Semester Hours

2

Lab Units

0.5

Lab Semester Hours

22

In-class Hours

24

Out-of-class Hours

4

Total Course Units

0.5

Total Semester Hours

28

Required Text and Other Instructional Materials**Resource Type**

Web/Other

Year

2007

Description

LOW ANGLE ROPE RESCUE OPERATIONAL

<http://osfm.fire.ca.gov/training/pdf/LARRO.StManual.pdf>

Class Size Maximum

24

Course Content

1. Introduction overview of Low Angle Rope Rescue
2. Rope rescue Equipment
3. Rescue knots and hitches
4. Anchor systems
5. Rescuer and ambulatory victim packaging
6. Types of rescue litters and packaging
7. Three main components of a Low Angle Rope Rescue System
8. Belay/Safety line systems
9. Descending and Ascending techniques
10. Lower/Raise (Mechanical Advantage) systems
11. Load-releasing methods
12. Scenario Based Evolution

Lab Content

1. Tying knots
2. Tying harnesses
3. Construct rescue systems
4. Lashing patients
5. Construct anchor systems

Course Objectives

Objectives	
Objective 1	Identify rope rescue equipment, rescue knots and hitches, anchor systems.
Objective 2	Identify system attachments and fall restraints, belay/safety line systems, and load-releasing devices.
Objective 3	Demonstrate methods/techniques used to inspect and maintain rescue rope, webbing and hardware.
Objective 4	Demonstrate methods/techniques required to tie knots and package victims and rescuers.
Objective 5	Demonstrate methods/techniques using rescue equipment to build lower/raise systems.
Objective 6	Perform basic low angle rope rescue techniques.

Student Learning Outcomes

Upon satisfactory completion of this course, students will be able to:

Outcome 1 Demonstrate the use of knots, harnesses, and anchor systems required for low angle rope rescue techniques.

Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Lecture	Class overview of knots, harnesses, and anchor systems.
Demonstration, Repetition/Practice	Methods/techniques used to inspect and maintain rescue rope, webbing and hardware.
Demonstration, Repetition/Practice	Methods/techniques required to tie knots and package victims and rescuers.
Demonstration, Repetition/Practice	Methods/techniques using rescue equipment to build lower/raise systems.
Supplemental/External Activity	Perform basic low angle rope rescue techniques during scenario based drills.

Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Field/physical activity observations	Methods/techniques used to inspect and maintain rescue rope, webbing and hardware.	In Class Only
Field/physical activity observations	Methods/techniques required to tie knots and package victims and rescuers.	In Class Only
Field/physical activity observations	Methods/techniques using rescue equipment to build lower/raise systems.	In Class Only
Group activity participation/observation	Perform basic low angle rope rescue techniques during scenario based drills.	In Class Only
Tests/Quizzes/Examinations	Final Exam to meet California State Fire Marshal requirements	In Class Only
Self-paced testing	Read case studies and information required to pass California State Fire Marshall final exam	Out of Class Only

Assignments
Other In-class Assignments

1. Participation - group activities of tying knots and harnesses
2. Observations - building rescue systems
3. Demonstrations - perform scenario based low angle rope rescue techniques

Other Out-of-class Assignments

1. Assigned reading from student manual
2. Practice tying various knots with rope in preparation of final skills exam
3. Review SFT requirements for the course content
4. Review for final written exam

Grade Methods

Letter Grade Only

MIS Course Data
CIP Code

43.0203 - Fire Science/Fire-fighting.

TOP Code

213350 - Fire Academy

SAM Code

C - Clearly Occupational

Basic Skills Status

Not Basic Skills

Prior College Level

Not applicable

Cooperative Work Experience

Not a Coop Course

Course Classification Status

Credit Course

Approved Special Class

Not special class

Noncredit Category

Not Applicable, Credit Course

Funding Agency Category

Not Applicable

Program Status

Program Applicable

Transfer Status

Not transferable

General Education Status

Not applicable

Support Course Status

Course is not a support course

Allow Audit

No

Repeatability

No

Materials Fee

No

Additional Fees?

Yes

Additional Fee Amount

\$75.00

Additional Fees Description

California State Fire Training Diploma Fee.

Approvals**Curriculum Committee Approval Date**

5/05/2020

Academic Senate Approval Date

5/14/2020

Board of Trustees Approval Date

6/18/2020

Chancellor's Office Approval Date

6/26/2020

Course Control Number

CCC000587601

Programs referencing this courseFire Technology Certificate of Achievement (<http://catalog.collegeofthedesert.eduundefined?key=146/>)