

Lassen Community College Course Outline

FS 56 Helicopter Crewmember S-271

2.0 Units

I. Catalog Description:

This course is designed to meet the training needs of a helicopter crew member. Upon completion, the student will be able to demonstrate proficiency in all identified areas of helicopter use to safely achieve efficiency and standardization.

Prerequisite(s): FS-61 Basic Firefighter Training (Basic 32)

Recommended Preparation: Successful completion of ENGL105 or equivalent multiple measure placement.

Does not transfer

32 Hours Lecture, 8 Hours Lab, 64 Hours Outside Class: 104 Total Student Learning Hours

Scheduled: As needed by Agencies

II. Coding Information

Repeatability: Not Repeatable

Grading Option: Graded

Credit Type: Credit - Degree Applicable

TOP Code: 213300

III. Course Objectives

A. Course Student Learning Outcomes

Upon successful completion of this course, the student will:

- 1) Be able to demonstrate proficiency in all identified areas of helicopter use to safely achieve efficiency and standardization.
- 2) Understand the policies and procedures associated with accepting and checking in to an assignment.
- 3) Obtain and overall knowledge of general aviation safety, aviation watch outs, and special mission safety.
- 4) Apply risk management techniques to helicopter operations and proficiency checks.

B. Course Objectives

Upon successful completion of this course, the student will:

1. Understand the policies and procedures associated with accepting and checking in to an assignment.
2. Establish effective working relationships
3. Gain an understanding of the ICS organization and the ICS types of helicopters.
4. Perform proper protocol.
5. Articulate the principles and general aspects of flight as they relate to helicopter performance.
6. Apply risk management techniques to helicopter operations and proficiency checks.
7. Obtain and overall knowledge of general aviation safety, aviation watch outs, and special mission safety.
8. Obtain an overall knowledge of receiving and giving briefings, loading and

- unloading procedures, completing a passenger/cargo manifest, in-flight and landing emergency procedures and become familiar with performing an after action review.
9. Obtain an overall knowledge of handling hazardous material for aviation transport; understand how to safely perform internal loads, and how to safely perform external loads utilizing the proper equipment.
 10. Obtain an overall knowledge of performing the roles and responsibilities of a parking tender, applying and activating and emergency plan, understand and follow procedures for aviation emergencies and utilization and submission of a SAFECOM.
 11. Define the duties associated with helispot management from the beginning of preparing a landing area and the management if the helispot.
 12. Follow the proper demobilization process for the Helicopter Crewmember.
 13. Perform the duties of a Helicopter Crewmember through hands on application.

IV. Course Content

1. Readiness
2. Effective Working relationships
3. ICS Concepts and Principles
4. Communications
5. Helicopter Performance, Limitations, and Load Calculations
6. Risk management
7. Operational Safety
8. Helispot Operations
9. Demobilization
10. Field Exercise

V. Assignments

A. Appropriate Reading

Helicopter Crewmember S-271 NFES 001499

Interagency Helicopter Operations Guide

B. Writing Assignments

Handouts

C. Expected Outside Assignments

Review student workbook and guide

D. Specific Assignments that Demonstrate Critical Thinking

Students will guide a helicopter using the established hand signals and radio communication.

VI. Methods of Evaluation

Traditional Evaluation

Quizzes and final exam

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery

Online Delivery

Traditional Classroom Delivery

Lecture, discussion, audio/visual aids, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

VIII. Representative Texts and Supplies

Helicopter Crewmember S-271 NFES 001499 Dec 2010

Helicopter Crew member Taskbook PMS311-22

Incident Response Guide PMS-461 2022

IX. Discipline/s Assignment

Fire Technology

X. Course Status

Current Status: Pending

Original Approval Date: 01/15/2013

Board Approval Date: 02/12/2013

Chancellor's Office Approval Date: 02/20/2013

Revised By: Dan Weaver

Curriculum/Academic Standards Committee Revision Date: 10/04/2022