

FIRE-152-ADVANCED FIRE LAB 5 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course encompasses the principals and skills from Fire Fighter I and Fire Fighter II in a practical setting and gives the student practical experience with fire attack, rescue, and all of the support functions associated with fire incidents and fire department response. Students are exposed to practical evolutions starting with singular function assignments, and building to multi- company, multi-functional operations on the fire ground.

Prerequisites: None

Semester Offered: Fall and Spring

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Put theoretical concepts from previous classes into practice under simulated emergency conditions.
2. Develop self-confidence and ability with fire attacks and rescue situations.

3. Operate in actual live fire environments on the intricate techniques of hose stream handling and fire attack.
4. Anticipate incident needs and function in a proactive manner to bring the incident to a safe and effective close.

Specific Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Participate in all evolutions as a member of a team.
2. Demonstrate the ability to select the appropriate hose line and deploy it for use in the extinguishment of fires.
3. Demonstrate the ability to rescue persons trapped and injured in fire incidents.
4. Demonstrate the ability to function safely and effectively as a member of a team and individual throughout the course.
5. DONN protective equipment in accordance with NFPA 1001.
6. Work as a member of a team and demonstrate the ability to control and extinguish fires in structures, indoor and outdoor occupancies, and in specialized situations.
7. Initiate the response to a reported emergency.
8. Receive a business or personal telephone call.
9. Transmit and receive messages via the fire department radio.
10. Use SCBA during emergency operations.
11. Respond on apparatus to an emergency scene.
12. Operate in established work areas at emergency scenes.
13. Force entry into a structure.
14. Exit a hazardous area as a team.
15. Set up ground ladders.
16. Attack a passenger vehicle fire operating as a member of a team.
17. Extinguish fires in exterior Class A materials.
18. Conduct a search and rescue in a structure operating as a member of a team.
19. Attack an interior structure fire operating as a member of a team.
20. Perform horizontal ventilation on a structure operating as part of a team.
21. Perform vertical ventilation on a structure as part of a team.
22. Overhaul a fire scene.
23. Conserve property as a member of a team.
24. Connect a fire department pumper to a water supply as a member of a team.
25. Extinguish incipient Class A, Class B, and Class C fires.
26. Illuminate the emergency scene.
27. Turn off building utilities.
28. Combat a ground cover fire operating as a member of a team.
29. Perform a fire safety survey in a private dwelling.
30. Present fire safety information to station visitors or small groups.
31. Clean and check ladders, ventilation equipment, self-contained breathing apparatus (SCBA), ropes, salvage equipment, and hand tools.
32. Clean, inspect, and return fire hose to service.
33. Communicate the need for team assistance.
34. Extinguish an ignitable liquid fire, operating as a member of a team.
35. Coordinate an interior attack line for team's accomplishment of an assignment in a structure fire.
36. Control a flammable gas cylinder fire operating as a member of a team.
37. Protect evidence of fire cause and origin.
38. Extricate a victim entrapped in a motor vehicle as part of a team.
39. Assist rescue operation teams.
40. Prepare a preincident survey.
41. Maintain power plants, power tools, and lighting equipment.
42. Perform an annual service test on fire hose.
43. Test the operability of and flow from a fire hydrant.