



COURSE OUTLINE

Course Name: **Live Fire - 201:
Structural Firefighting**

Nanaimo Fire Training Centre
Firefighter Programs

Course Number: LF – 201
Group Type: ERT Live Fire

Effective Date: This course outline takes effect March 2003

Developed by: ERT Training Inc.

Date: March 2003

Total Hours: eight hours

Credit: non-credit, Certificate of achievement issued by ERT

Total days/weeks: one day

Standards: NFPA 1001 and WorkSafe BC

Prerequisites: Successfully completed ERT LF-101 (attached for reference) or equivalent Live Fire program within previous 24 months.

Qualified to NFPA 1001 – Fire Fighter II in the following subjects:

- | | | |
|---------------------------------|--------|-----------|
| - Orientation & Safety | theory | practical |
| - Fire Behaviour | theory | |
| - Personal Protective Equipment | theory | practical |
| - Ventilation | theory | |
| - Fire Hose and Appliances | theory | |
| - Hose Handling | | practical |
| - Fire Streams | theory | practical |
| - Rescue | | |
| safety, search, victim removal | theory | practical |
| - Building Construction | | |
| residential, commercial | theory | |
| - Ground Ladders | theory | practical |
| - Fire Control | theory | |

Evaluation: Team evaluation (Individual evaluation can be provided at request of client)

Course Description: Interesting, challenging, and relevant!! Can be used for upgrade or refresher.

Building on experience gained in LF-101: Introduction to Structural Firefighting, the firefighter will develop significantly more skill and confidence.

The live-fire scenarios are much more challenging and include elements of: below-grade, second floor, third floor, vertical extension, standpipe, apartment pack, ventilation by laddering, search, rescue, multiple team coordination, multiple company response.

The students will be coached to assess situation, coordinate various fire control tasks, and identify/communicate benchmarks that could be applied at typical residential and small business fires.

Liabilities: The student must be registered in this course by the employer, covered by WorkSafe BC, and willing to sign a waiver of liability on behalf of ERT Training Inc.

Clothing, Food and Equipment:

Required: Complete personal protective equipment (PPE) for structural firefighting (including coat, pants, boots, helmet c/w face shield, gloves, protective hood, **SCBA c/w spare cylinder**, PASS device, personnel accountability tags, flashlight.

All client supplied PPE must be clean, complete, functional, and meet all current WorkSafe BC requirements. All clothing to worn under turnout gear must be cotton or in accordance to Worksafe BC. Part 31 Student will be responsible for all necessary food and liquids to sustain personal health and comfort for a physically demanding day.

Notes: Contact ERT if you cannot meet these requirements. Assistance may be available. Showers and washrooms are available on-site. Bring towel and change of clothes.

Course Notes (Policies and Procedures):

Student training prerequisites and PPE requirements will be confirmed with each student prior to start of course. Student must remove all hazardous and unnecessary contents from PPE and personal clothing (that will be worn underneath). Any contents carried must be necessary and acceptable to the Instructor-in-Charge. Students not able to comply with the stated conditions for this course will be excluded from all participation.

Note: All Students must be clean shaven in order to wear SCBA, no exceptions!

Learning Outcomes:

At the end of this course, the student should be able to:

1. Describe safety issues to consider before working below grade or above grade in/on a structure containing fire
2. Describe and demonstrate safe procedures to enter and control a fire in a room located below grade
3. Describe and demonstrate safe procedures to use stairs and ladders for access into/onto a structure containing fire
4. Describe safety issues to consider before working on a roof or balcony
5. Describe where and how to check for fire extension
6. Describe and demonstrate extending a hoseline in a stairwell
7. Describe and demonstrate use of a standpipe to supply an attack line
8. Describe and demonstrate use of "apartment pack"
9. Describe and demonstrate secondary search procedures within a structure during fire control operations
10. Describe and demonstrate procedures to remove an unconscious person from below and above grade to safe location (ladder rescue techniques will be introduced in this program)
11. Describe safety and coordination issues for multiple team and multiple company tasks
12. Identify and communicate incident control "benchmarks"

13. Coordinate assigned fire control tasks away from direct supervision
14. Coordinate the actions of an interior attack line team as applied at typical residential and small business fires

Attachment

copied from: Course Outline
LF – 101: Introduction to Structural Firefighting

Learning Outcomes:

At the end of this course, the student will be able to:

1. Describe safety policy/procedures for student activities at the fire training site
2. Describe and demonstrate a personnel accountability system used in fire ground operations
3. Describe and demonstrate (RIT) Rapid Intervention Team functions
4. Describe and demonstrate communications procedures, including progress reports to the I/C, during fire control operations
5. Describe and demonstrate a typical command structure for room and contents fires
6. Describe incident priorities (life safety, incident stabilization, and property conservation)
7. Describe and demonstrate size-up of a structure fire
8. Describe "fire hypnosis" and the "candle moth syndrome"
9. Describe the potential events found in a structure fire ("rollover", "flashover", "backdraft", "smoke explosion")
10. Describe and demonstrate "thermal layering" and the need to maintain "thermal balance"
11. Describe and demonstrate three methods of interior water application(direct, indirect, combination)
12. Describe and demonstrate importance of exterior/interior features for safely approaching and entering a structure containing fire
13. Describe construction characteristics that restrict the "interior operation" time within a structure
14. Describe ventilation sequence for fire control (including positive pressure ventilation)
15. Describe and demonstrate offensive strategy, basic operating position, and task assignments, when controlling a room and contents fire
16. Describe and demonstrate primary search procedures within a structure during fire control operation
17. Describe salvage & overhaul operations during the "property conservation" priority of operations
18. Describe the need for firefighter hydration, rest, and rehabilitation during fire control operations