



COURSE OUTLINE

Course Name: **Live Fire – 101:
Introduction to Structural
Firefighting**

Nanaimo Fire Training Centre
Firefighter Programs

Course Number: LF - 101
Group Type: ERT Live Fire

Effective Date: This course outline takes effect Oct 2002

Developed by: ERT Training Inc. **Date:** August, 2002

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: Qualified to NFPA – Fire Fighter I in the following subjects:

- | | | |
|---|--------|-----------|
| - Safety & Orientation | theory | practical |
| - Fire Behaviour | theory | |
| - Fire Control | theory | |
| - Personal Protective Equipment | theory | practical |
| - Ventilation | theory | |
| - Fire Hose, Appliances, and Streams | theory | |
| - Hose handling | | practical |
| - Rescue | theory | |
| - Building Construction
(residential construction) | theory | |

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

Course Description: This course enhances basic training for firefighters by providing an introductory exposure to live-fire conditions inside a structure. Room and content fire scenarios are used to develop knowledge and skills in applying appropriate fire control methods. The students will be coached to assess situation, coordinate various fire control tasks, search and rescue techniques and identify/communicate benchmarks that could be applied at typical residential fires.

Liabilities: All Students must be covered by WorkSafe BC, and will be requested 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 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 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