

Developing Thinking Sawyers - Course Outline

□ **Module 1: Introduction to Saw Operations**

The “Introduction to Saw Operations” module covers National Saw Program policy and legal requirements, sawyer safety, situational awareness, identification of risk, risk management, and developing a standardized OHLEC (objective, hazards, leans/binds, escape route, cut plan) size-up process.

□ **Module 2: Chain Saw**

The “Chain Saws” module contains three sections: 2.1, “Chain Saw Basics,” 2.2, “Bucking and Limbing,” and 2.3 “Felling.” The section(s) the students require will depend on the certification level they pursue. Refer to the Lesson Plans contained in Appendix A of the Instructor Guide.

□ **Module 3: Crosscut Saws**

The “Crosscut Saws” module contains three sections: 3.1, “Crosscut Saw Basics,” 3.2, “Bucking and Limbing,” and 3.3, “Felling.” The section(s) the students require will depend on the certification level they pursue. Refer to the Lesson Plans contained in Appendix A of the Instructor Guide.

□ **Module 4: Ax Basics, Maintenance, and Use**

The “Ax Basics, Maintenance, and Use” module covers ax basics, maintenance, safety, and use.

□ **Module 5: Fireline Operations**

The “Fireline Operations” module covers fireline safety, the sawyer/swamper team, cutting area control, saw team tasks and tactics, and terminology.

□ **Module 6: Wedges**

The “Wedges” module covers wedge design and the mechanical advantage wedges provide, various wedge types, proper wedge placement and use, and how to calculate the amount of lift needed to fall back-leaning trees using tree diameter and height.

□ **Module 7: Hung-up Trees**

The “Hung-up Trees” module defines the term “hung-up trees” and identifies the hazards associated with them, discusses avoiding hung-up trees, explains the OHLEC process for them, and provides techniques for mitigating or removing them.

Required Modules for certification are as shown below and in the attached Instructor Appendix. The other modules can be taught as desired. Example, Module 4, Ax Basics, Maintenance, and Use is required for crosscut but optional for chainsaw. Module 5, Fireline Operations, is only required for those seeking/needing an S212 equivalency for IQCS.

Required Modules

Module needed	Chain saw bucking	Chain saw felling	Crosscut saw bucking	Crosscut saw felling	Fireline qualified (S-212 Equivalent)
1	X	X	X	X	X
2.1	X	X			X
2.2	X	X			X
2.3		X			X
3.1			X	X	
3.2			X	X	
3.3				X	
4.0			X	X	
5.0					X
6.0					
7.0	X	X	X	X	X