

COURSE SYLLABUS  
Chainsaw: **SAFETY**, Operation, & Maintenance

Course: Nat. Res. 130

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Text Book: Chainsaw Operation (Furnished)

**Description of Course:** This course is a Lecture/Lab combination that will cover chainsaw **SAFETY**, Operation (actual use of saw), basic maintenance of a chainsaw, and basic first aide. Safety will be stressed first and foremost. If you are unwilling or unable to follow the safety requirements and operate the chainsaw safely - **you will not** be allowed to operate the chainsaws and may be asked to withdraw from the course.

**SAFETY:** Required to wear at ALL TIMES when operating a chainsaw in the field: Chainsaw Chaps, Hard Hat, Hearing Protection, and Face Shield (all are provided). If you are observed operating a saw in the field without wearing any of the above items, the student will immediately receive a 0.0 grade and will not be allowed to attend any further classes for this course.     **NO EXEPTIONS.**

When starting the saw after general maintenance and fueling, before we leave the compound, saw chaps are **REQUIRED**. Hardhat and hearing protection are highly recommended. If you do not wear your chaps you will not run the saw for the rest of the day.

**ATTENDANCE IS REQUIRED:** An 80%+ attendance is required to pass this course. If you fall below an 80% attendance (3 missed classes), at the instructor's discretion, you may be asked to withdraw from this course, or your grade will drop One full point ( a 2.9 automatically becomes a 1.9) . It is the student's responsibility to schedule your personal life (work, children, interviews, etc.), so you can attend class & labs. This is a safety issue! If you are not present you cannot learn how to operate a chainsaw safely.

**Grading:**

There are:	3- written quizzes:	30 points
	2 practical lab quizzes	20 points

**TRANSPORTATION:** The College provides transportation. ALL students are required to ride in the van. Use of personal vehicles is not allowed.

If you insist on using your personal vehicle your grade will drop ONE full grade point on the fist offense. The second time it happens you may be administratively withdrawn from the course (Z Grade) and you will no longer be allowed to attend any further classes.

**Tobacco:** Use of Tobacco is not allowed in buildings or school vehicles. This includes chewing tobacco. Smoking will not be allowed within 20 feet of any fuel containers or while fueling the saws.

NO EXEPTIONS.

**DRUG-FREE WORK PLACE:**

It is the intent of the board of trustees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in all facilities, events, or activities directly or indirectly under the control of the Community Colleges of Spokane shall not be tolerated and, pursuant to this policy, shall be prohibited. Employees or students engaging in such prohibited activities shall be subject to disciplinary action, pursuant to applicable rules, regulations and employment contracts, which may result in a suspension or termination.

**CLASS ROOM CONDUCT:**

Each faculty member has the right to suspend up to three days any student who by actual misconduct disrupts any college course by engaging in conduct that renders it difficult or impossible to maintain the decorum of the course (see WAC 132 Q-04-067: and see WAC Q-04-170(2))

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I have read the Syllabus for this course, Natural Resources 130 and I understand the above policies for this course and Spokane Community College.

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

# Chainsaw Safety, Operation, and Maintenance

## Course Outline

### I Introduction

- A. Course Objectives
- B. Mandatory safety equipment/practices (hard hat, chaps, etc.)
- C. First aid box

### II Basic First Aide

- A. Abrasions and contusions
- B. Bleeding
  - Minor cuts
  - Major cuts
  - Pressure points
- C. Sprains and broken bones
  - Splinting and immobilization
  - Transportation
- D. Shock
- E. Activating EMS

### III Chainsaw

- A. Parts of chainsaw
- B. Proper grip and stance
- C. Proper starting techniques
- D. Chain brake
- E. Kickback zone
- F. Fuel mix/bar oil

### IV Safety Precautions

- A. Do's and Don'ts
- B. Reactive forces
- C. Kickback: why & how
- D. Transporting chainsaws

### V Chain Maintenance

- A. Filing
- B. Wear marks

- C. Proper chain tensioning
- D. Guide bar

## VI Common cutting problems/mistakes

- A. Top bind/bottom bind
- B. Operations safety

## VII Timber Falling

- A. Safety considerations
- B. Hazards
- C. Escape route
- D. Type of face cuts
- E. Hinge wood & back cut

## Field Labs

### #1

- Safety equipment:: chaps, hardhats with ear and face protection, and proper foot wear.
- First Aide practice
  - Control of bleeding
  - Pressure points
- Sprains/broken bones
  - Splinting & immobilization
- Treatment of shock

### # 2 - 5

- Cleaning saws
- Filing chain
- Fueling
- Practice proper cutting techniques for downed logs (limbing/bucking).
- Increase confidence in cutting abilities and chainsaw operations through continued cutting of downed logs.

### # 6 - 8

- Cleaning saws
- Filing chain
- Fueling
- Proper timber falling techniques.

- Limbing and bucking of felled trees.

# 9 and 10

- Proper plunge cutting techniques
- Safe brush cutting techniques