Instructor and course information
Instructor: Edwin J. Burke – SH 105 – 406-243-5157 edwin.burke@forestry.umt.edu
Schedule: Lecture and Laboratory times to be announced. 1-2 hrs lecture at beginning of class each week; 6-8 hrs. laboratory exercises each week, generally on same day as lecture
Required Texts: US Forest Service S-212 Chainsaw Training Course Text

Course Schedule

Week 1  Introduction; Chainsaw terminology, maintenance and repair. Laboratory: Field techniques in saw maintenance and repair, hand-felling, limbing. Commercial log manufacture. Grapple skidding, hot and cold decking. Training will follow the S-212 Fireline Chainsaw Safety and Operations Course syllabus

Week 2  Introduction to forest operations equipment. Laboratory: Individuals’ familiarization with Skid- steer loader, 4wd tractor w. log grapple, articulated loader with log forks and 2 cu. yd. bucket. Practice with operation of equipment. Exercise held at School’s sawmill at Lubrecht Experimental Forest.

Week 3  Timber felling/ skidding-loading equipment/ sawmill equipment operation training, Week #1. Exercises held at dedicated felling areas and sawmills located at Lubrecht Experimental Forest. 1/3 of class at each activity area.

Week 4  Timber felling/ skidding-loading equipment/ sawmill equipment operation training, Week #2. Exercises held at dedicated felling areas and sawmills located at Lubrecht Experimental Forest. 1/3 of class at each activity area.

Week 5  Timber felling/ skidding-loading equipment/ sawmill equipment operation training, Week #3. Exercises held at dedicated felling areas and sawmills located at Lubrecht Experimental Forest. 1/3 of class at each activity area.

Week 6  Quality control procedures and report production for forest restoration operations. Student teams of 2-3 will work on their first of the three principal activity topics (see 3, 4 & 5 above) with evaluation of overall skill, safety and reporting.

Week 7  Quality control procedures and report production for forest restoration operations. Student teams of 2-3 will work on their second of the three principal activity topics (see 3, 4 & 5 above) with evaluation of overall skill, safety and reporting.

Week 8  Quality control procedures and report production for forest restoration operations. Student teams of 2-3 will work on their third of the three principal activity topics (see 3, 4 & 5 above) with evaluation of overall skill, safety and reporting.

Week 9  Class project area defined and teams assigned tasks according to each of the three principal activities: Planning/harvest, skidding and deck(s) management, milling/drying/storage.
Week 10  Class project area defined and teams assigned tasks according to each of the three principal activities: Planning/harvest, skidding and deck(s) management, milling/drying/storage (cont.)

Week 11  Class project area defined and teams assigned tasks according to each of the three principal activities: Planning/harvest, skidding and deck(s) management, milling/drying/storage (cont.)

Week 12  Logging slash and residuals management. Residues sorting and marketing (bark, green slabs and edgings vs. dry residual values).

Week 13  Logging slash and residuals management (cont.).

Week 14  Burning of slash piles, preparation of roads and mill yards for interim period between semesters (Christmas break or summer).

Week 15  Final evaluation of students’ skills and project area evaluations by peers and instructor(s). Students’ evaluation of instructors, course objectives and outcomes. Discussion of improvements to course.

**Equipment and supplies**

Students are to have the following equipment and clothing for all class activities:

- All-leather boots of at least 6” height
- All-leather gloves
- Full-brim hardhat (plastic) Cotton jeans, shirt and jacket
- Chainsaw chaps, hearing and eye protection will be provided for all activities.

**APPROPRIATE USE OF PERSONAL PROTECTION EQUIPMENT IS MANDATORY!!!**

**Meeting times and grading**

Class will meet at 08:30 on Saturday mornings and return to campus between 17:00 and 20:00 hrs, depending on week of semester. Grading will be based on attendance (attendance at 4 complete class meetings for each credit received), participation in training and planning process for group, compliance with class safety and equipment operation regulations, group project completion and overall cooperation.