

Forest Resources Technology Program

FRST 173 - Field Skills

Term: Special Session

Lecture/Lab:: TBA

Instructor: TBA

CALENDAR DESCRIPTION

An introduction to basic field procedures used in forestry. Topics to be addressed may include road and boundary surveying, deflection lines, baseline establishment, stream surveys. (5:0:15 for 1 week) 1 credit

SCOPE AND CREDIT

This one credit course is designed for students in their first year of the Forest Resources Technology Program. The course will prepare students for subsequent forestry courses and summer employment.

COURSE FORMAT

This course will focus on field skills. Lecture material will be followed by a field lab.

LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

1. Assess the potential hazards of working in the forest; demonstrate safe work procedures for carrying out tasks, and use appropriate personal protective equipment requirements and describe emergency procedures.
2. Define and use technical terms applicable to field skills in conversation with peers and in technical reports.
3. Collect and record field data for forest engineering including falling boundaries, roads, deflection lines, and stream crossings.
4. Use a GPS to collect coordinates and locate points in the field and then apply differential correction procedure to determine field coordinates to British Columbia Resource Inventory Committee standards.

TEXTBOOKS & SUPPLIES:

These documents are a free download:

Forest Road Engineering Guidebook:

<http://www.for.gov.bc.ca/tasb/legsregs/fpc/fpcguide/road/fre.pdf>

BCFS Engineering Manual:

http://www.for.gov.bc.ca/hth/engineering/documents/publications_guidebooks/manuals_standards/Eng-Manual.pdf

Supplies: You are required to have the following items:

- Calculator (SHARP EL-531W) or equivalent
- Six-ring field binder and waterproof notepaper
- Compass with adjustable declination

- [Biodegradable flagging tape](#)
- [Personal first aid kit](#).

Field Safety

You are responsible for practicing safe work practices in the field. This includes proper check-in/check-out procedures as described by your instructors. You will not be permitted to participate in outdoor lab exercises without proper Personal protective equipment (caulk boots, hard hat, hi-viz vest, safety whistle), first aid kit and appropriate clothing (raingear and gloves, as needed) are required for field labs. Field trips to public locations (e.g., parks); you will be advised of the required field gear.

Outdoor labs will be cancelled only when extreme weather compromises safety or the learning objectives (e.g. excessive wind or snowfall).

Evaluation

The following evaluation will be used in calculating the Final grade for this course:

Labs/Projects	90 %
Instructor Assessment	10 %

Grade Conversion:

Grade % Range

A+ 90+	C+	66-68
A 85-89	C	63-65
A- 80-84	C-	60-62
B+ 76-79	D	50-59
B 72-75	F	0-49
B- 69-71		

Assignments

The format and other specifications for lab assignments will be provided in a lab description. Occasionally, an update or correction is required. You are responsible for noting and following any changes described in class.

The date and time when lab reports are due will be given in the lab description. Unless you have a valid excuse (e.g., illness), all work must be handed in when due in order to receive full marks. Late assignments are penalized at 10% per day and if marked work has already been returned to the rest of the class no mark will be given. Students must attend field labs as evidenced by their check in and out on the safety list or they will not be eligible to hand in the written assignment.

Academic Policies

For further information on exam policies, missing tests, assignment format standards, late assignments, instructor assessment and academic misconduct (e.g., plagiarism), please refer to the D2L [Forestry Portal](#).

Assignment Submission Standards

Frequently, submissions for assignments will consist of field notes. For these, include a title page stating the course name, assignment title, and information following the format as per FRST 111 field assignments. "Office" assignments, unless otherwise specified, will be type written and nothing should be written on the back of any page.

TENTATIVE SCHEDULE – subject to change

Day	Date	Topics
1		Field Safety (gear, check in procedures), Field orientation, Timber Reconnaissance, Deflection lines
2		Introduction to forest roads and forest road traversing. Field road traverse, plotting and mapping.