

FORESTRY 305 Silviculture

Lectures: Monday, Wednesday & Friday 1 pm FSC 1003

Labs: Tues 1:00-5:00 pm, S. Campus Farm or FRST 1003, alt. weeks starting Sept 15

Instructors:

	<u>Dr. Steve Mitchell, RPF</u>	<u>Dr. Bruce Larson</u>
Office:	FSC 3038	FSC 2038
Office Hours:	Contact Steve if you want to meet	Contact Bruce if you want to meet
Tel:	822-4591	822-1284
E-mail:	stephen.mitchell@ubc.ca	bruce.larson@ubc.ca

Teaching Assistant:

Mr. Adam Polinko Office: FSC 2227

Office Hours: Contact Adam if you want to meet. E-mail: adam.polinko@gmail.com

Optional Texts:

D.M. Smith, B.C. Larson, M. Kelty, and P.M.S. Ashton, 1997, *The Practice of Silviculture: Applied Forest Ecology*, (9th edition), Wiley, Inc. 550p.

Lavender, D.P., R. Parish, C.M. Johnson, G. Montgomery, A. Vyse, R.A. Willis, and D. Winston, editors 1990. *Regenerating British Columbia's Forests*. U.B.C. Press, Vancouver, B.C. 372 p.

Excerpts from these optional texts will be posted on the course website.

Course Web Page: <http://frst305.forestry.ubc.ca/>

Your Objectives:

1. To achieve an overall appreciation of the ecology of forest stand establishment and the opportunities for, and constraints to, enhanced forest regeneration.
2. To become familiar with the historical context of silviculture.
3. To acquire a set of skills which will enable you to design and execute silvicultural prescriptions for forest regeneration, especially regarding: site and stand diagnosis, seed procurement, seedling production and establishment, site preparation, vegetation management and crop protection.
4. To be able to design and plan intermediate silvicultural operations and regeneration harvests.
5. To predict the impact of these operations on the timber yield and other goods and services provided by a managed forest.

Grading:	Midterm:	20%
	Final Exam:	40%**
	SP Report and Defense	25%
	Assignments	15%

**Note - You must pass the final exam in order to pass the course.