

Ecophysiological concepts and applications in forests



PhD COURSE - AUTUMN 2025 OPEN - register by July 1st!

October 27th - December 5th, 2025 (7.5 ECTS)

27/10 - 21/11 Web-based journal club
24/11 - 5/12 Field period in Thailand

Ecophysiology is the study of element exchanges between organisms and their surrounding environment. By connecting measurements at cell, leaf or root scale to entire canopy and ecosystem functioning, an ecophysiological approach can provide mechanistic understanding of forest responses to management practices, climate change. The approach combines field or lab based data with process-based growth modeling.

Students will learn to apply ecophysiological principles and methods to a range of topics related to forest growth. The principles are equally applicable to any type of forest ecosystem.

The course is organized by the Swedish University of Agricultural Sciences, and begins with web-based journal clubs, then we will all meet in Bangkok, Thailand. Indoor classes led by prominent experts will be complemented by outdoor exercises and visits to scientific field sites, including the research center in Kao Yai National Park. A course fee of 3000 SEK will cover accommodation costs.



REGISTRATION

For questions please contact: nils.henriksson@slu.se