Welcome to Sustainable forestry in southern Sweden!

This master's course focuses on forest management and forest ecology in managed stands. During the nine weeks of the course we will investigate and discuss how sustainable development are/can be implemented in today's forestry practice, both at the theoretical and applied level. The course gives you the possibility to switch from an instrumental-guideline-oriented approach to objective-driven management with high adaptive capacity. In the course we cover the plantation forestry of today, as well as forest management with continuous cover methods, mixed forest and retention tree practises.

The course during Covid19 pandemic
We are following the instructions from SLU regarding teaching, which due to Corona updates can be changed with short notice. As for now, we will plan the course as a campus based course, with adjustments so that students may have some social distancing within the classrooms.

The first day will start with introduction 9-11 AM, in the assembly hall, Alnarp. We will most likely also have a gathering in the garden at our department directly after the enrolment.

All data labs and exercises will this year be on your own computers since we will not have access to the computer halls. We will only use open source softwares and further instructions for installation will be available before course start on the Canvas portal.

Two weeks are normally outdoor activities, where we visit forests and forest experiments in Halland and Småland. We will travel together, with transport and accommodation organized and financially covered by the course.

We have scheduled field weeks: 21-25 September and 5-9 October. How we will adjust these trips (or cancel entirely) are yet not decided but some changes will probably be necessary. The costs for travelling and hostels during field weeks are covered within the course budget.

We will adjust the course so that major parts are possible to attend through distance learning applications.

Further information and contact
If you have any specific questions regarding the course, please e-mail me:
Emma.Holmstrom@slu.se

You can find the literature list and syllabuse here:
https://student.slu.se/en/studies/courses-and-programmes/course-pages/?sprak=en&anmkod=10020.2021

As soon as you have registered on the course and opened up your SLU e-mail account (if you are a new SLU student), you will get access to the course web portal Canvas and the SLU library. There will be detailed info uploaded on the course Canvas web page before the start of the course.

You can also find more info on the department web page for Education:
https://www.slu.se/en/departments/southern-swedish-forest-research-centre/education/

And some nice Instagram accounts for SLU students:

https://www.instagram.com/slu.greenstudies/

https://www.instagram.com/slu.mastersofnature/

https://www.instagram.com/pluggaskog/

Some info regarding literature and R lab preparation
The course includes an introduction to R and data management as well as covering the fundamentals of growth and yield, further on combined with silviculture and forest conservation. The literature list is posted on the web page, with some links provided. The course learning platform is Canvas and most of the literature, assignments, schedule, etc. will be available for you as a student as soon as you register. For students eager to start reading and preparing in advance we recommend the following books. Selected chapters and reading instructions will be available in Canvas.

West, P. W. **Growing Plantation Forests**. 2nd ed. 2014. Cham: Springer International Publishing, 2014. 978-3-319-01827-0.
Link to online reading if you have SLU access: https://link.springer.com/book/10.1007%2F978-3-319-01827-0

Magurran, A.E. and McGill, B.J. eds., 2011. **Biological diversity: frontiers in measurement and assessment**. Oxford University Press. Link to online reading if you have SLU access: https://slu.primo.exlibrisgroup.com/permalink/46SLUB_INST/1sl36d2/alma9919271342605121

Crawley, Michael J. **Statistics : an Introduction Using R** . Second edition. Chichester, West Sussex, [England: John Wiley & Sons, 2014.
Link to online reading if you have SLU access: https://ebookcentral.proquest.com/lib/slub-ebooks/detail.action?docID=1784599

And a personal favourite as introduction to the intersection of silviculture and ecology, although not course literature: Puettmann, Klaus J., *Coates, K. Dave.,* and Messier, Christian C. **A Critique of Silviculture Managing for Complexity** . Washington, D.C: Island Press, 2009.

Link to online if you have SLU access: https://ebookcentral.proquest.com/lib/slub-ebooks/detail.action?docID=3317551

If instead you prefer a more animated introduction to the Swedish forestry and the current discussions regarding its management, check this out: https://www.slu.se/en/Collaborative-Centres-and-Projects/future-forests/

Teachers on the course are researchers in silviculture and forest conservation from the department; Emma Holmström, Urban Nilsson, Lisa Petersson, Delphine Lariviere, Martin Goude, Jorge Aldea, Ulf Johansson and more. Our ambition is to have active participation from several of the current PhD students in our research groups, both as lecturers and teaching assistants.

Welcome 31 August!

/Emma Holmström