University of Applied Forest Sciences Rottenburg
University of Applied Sciences

Module description
Closer-to-nature Silviculture & Wildlife Management

Modul title	DF.5 (in English)
ECTS credits	4
Teaching hours per week	2
Workload (in hours)	Classroom-based and self-directed study (2x 90 min and 2 fieldtrips of approx. 300-480 min)
Module description	• Introduction to the European perspective of closer-to-nature silviculture (CtNS) with its core principles, silvicultural challenges, uncertainties due to a changing environment and its political implications • Selected topics of natural tree species dynamics, the role of natural regeneration dynamics, stable forests vs. natural disturbance dynamics, mixed forest management and continuous cover silviculture and uneven-agend management • The impact of herbivores on forests and the influence of habitat on the size and the vitality of wildlife populations • Management approaches for dealing with invasive animal species and large predators in central Europe
Intended learning outcomes and course content	Intended learning outcomes: • The students analyse, apply and evaluate core principles of CtNS to given forest stands and silvicultural concepts (4) • The students know, apply, compare and evaluate CtNS to alternative concepts in forest management like plantation forestry, short rotation silviculture, close-to-nature silviculture, sustainable forest management or full nature conservation approaches (5) • Students can identify and evaluate the effects of game populations on the forest habitat and provide recommendations for action (4) • Students are familiar with management examples and can provide recommendations for dealing with predators and invasive wildlife species in urban areas (6)
Control	Portfolio: case study presentation, minimum 100% attendance
Grading	☒ passed/failed ☒ by grade for degree programmes, if required
Prerequisite	- Good English language proficiency - Basic knowledge on European tree species and silvicultural principles
Procedure	Lectures, discussions and presentations: introductory session (90 minutes), 2 one-day excursions/ field trips (approx. 5-8 hours to relevant stands in southern Germany, or neighbouring regions of Switzerland and France), Group-wise student presentations or steering discussions on selected topics within CtNS in the seminar room or in-forests stands
Lecturer	Prof. Dr. habil. Sebastian Hein

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Prof. Dr. habil. Sebastian HEIN, Chair of Silviculture, Forest Growth & Yield
Prof. Dr. Thorsten Beimgraben, Chair of Wildlife Ecology and Game Management

Offer for semester	Advanced students of all programmes admitted
Frequency and duration of the service	Duration of the module: one semester, module offered once per year, always in summer term, if minimum number of participants is given.
Number of participants	min. 4, max. 24 participants

Data protection declaration: https://www.hs-rottenburg.net/system/datenschutz/

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